From 7606139141996168103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65ab40b480cb9353,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 15:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!UMass.BITNET!MKrieg
From: MKrieg@UMass.BITNET ("Mark Kriegsman/Hampshire College")
Newsgroups: net.micro.apple
Subject: VT100???
Message-ID: <8611020133.AA29491@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 18:16:00 EST
Article-I.D.: ucbvax.8611020133.AA29491
Posted: Sat Nov 1 18:16:00 1986
Date-Received: Mon, 3-Nov-86 22:24:22 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 17

I have a][+ (64K), an Apple-Cat (1200b), and some generic-like 80-col card.

Now all I really NEED is a VT100 emulator. (AEPro does VT52, but not
perfectly.)

Does anyone know about a Public-Domain emulator, or have a pointer to one,
or a pointer to an inexpensive (>$50) one?

[Yea!! //GS!!]

-----mark--
  \ /   ^   )   /
   V   / \   \   \
____kriegsman_____

MKrieg%UMass.bitnet@wiscvm.wisc.edu

From 5436625671293011484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c752cab25f85e868,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 17:21:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!HARVARD.HARVARD.EDU!
sipples%husc4
From: sipples%husc4@HARVARD.HARVARD.EDU
Newsgroups: net.micro.apple
Subject: Mailing List
Message-ID: <8611020214.AA29937@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 20:21:47 EST
Article-I.D.: ucbvax.8611020214.AA29937
Posted: Sat Nov 1 20:21:47 1986

Date-Received: Mon, 3-Nov-86 22:28:46 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

Please add me to your mailing list.

Timothy F. Sipples

(BITNET: sipples@harvunxu.bitnet)

From 763184945326092565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b27b741aa0e3902a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 17:47:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!DOCKMASTER.ARPA!TMPLee
From: TMPLee@DOCKMASTER.ARPA
Newsgroups: net.micro.apple
Subject: Re: IIGS
Message-ID: <861102014704.521777@DOCKMASTER.ARPA>
Date: Sat, 1-Nov-86 20:47:00 EST
Article-I.D.: DOCKMAST.861102014704.521777
Posted: Sat Nov 1 20:47:00 1986
Date-Received: Mon, 3-Nov-86 22:31:09 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 4

OK, did you get it from a regular dealer or are you a software developer
or something such? The dealer(s) here in Minneapolis still can't quote
a delivery date. (and, since yours didn't come with any real system
software, were you promised that it would show up eventually? when?)

From -7379078353070638102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20e2667e27831acc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 17:54:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cuae2!ihnp4!ihlpa!krstan
From: krstan@ihlpa.UUCP (Stanley)
Newsgroups: net.micro.apple
Subject: Thermometers for an Apple
Message-ID: <2200@ihlpa.UUCP>
Date: Sat, 1-Nov-86 20:54:24 EST
Article-I.D.: ihlpa.2200
Posted: Sat Nov 1 20:54:24 1986
Date-Received: Mon, 3-Nov-86 23:49:28 EST
Reply-To: krstan@ihlpa.UUCP (55542-Stanley,K.)

Organization: AT&T Bell Laboratories (Indian Hill)
Lines: 19
Keywords: home control thermometers

Has anyone added thermometers to an Apple ?
I would like to put both an indoor and an outdoor
thermometer on my Apple as part of a home control
project.

My only ideas would be to get a A/D board from
Applied Engineering and look in my Op-Amp cookbook
for a circuit. Any better pointers are appreciated.

Thanks in advance.

Keith R. Stanley
Room 4H-328
AT&T Bell Laboratories
Naperville, Illinois 60566
(312)-979-3416
decvax!ihnp4!ihlpa!krstan

From 7516097014683004848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c86f0833f4e97301,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 17:56:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cuae2!ihnp4!ihlpa!krstan
From: krstan@ihlpa.UUCP (Stanley)
Newsgroups: net.micro.apple
Subject: X-10 Powerhouse software missing
Message-ID: <2201@ihlpa.UUCP>
Date: Sat, 1-Nov-86 20:56:04 EST
Article-I.D.: ihlpa.2201
Posted: Sat Nov 1 20:56:04 1986
Date-Received: Mon, 3-Nov-86 23:49:59 EST
Reply-To: krstan@ihlpa.UUCP (55542-Stanley,K.)
Organization: AT&T Bell Laboratories (Indian Hill)
Lines: 20

References:

I purchased the X-10 Powerhouse controller from DAK for
$20.00 and agree with previous posters that it is a
steal. The only problem I have run into is that the
utility program "X10UTILITY" on the back of the Apple
software disk is missing the code above hex 6400.

I would like to find out if this is just my copy or if
all the disks went out this way. If it is just my copy I
will return it to DAK for a new copy, but if all the
disks are bad, I will just regenerate the code myself.

Thanks in advance.

Keith R. Stanley
Room 4H-328
AT&T Bell Laboratories
Naperville, Illinois 60566
(312)-979-3416
decvax!ihnp4!ihlpa!krstan

From -4253442772047614943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,32e06ade77c1639b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 17:57:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cuae2!ihnp4!ihlpa!krstan
From: krstan@ihlpa.UUCP (Stanley)
Newsgroups: net.micro.apple
Subject: Where is RAK-WARE ?
Message-ID: <2202@ihlpa.UUCP>
Date: Sat, 1-Nov-86 20:57:44 EST
Article-I.D.: ihlpa.2202
Posted: Sat Nov 1 20:57:44 1986
Date-Received: Mon, 3-Nov-86 23:50:35 EST
Reply-To: krstan@ihlpa.UUCP (55542-Stanley,K.)
Organization: AT&T Bell Laboratories (Indian Hill)
Lines: 17

References:

Where is 'RAK-WARE' that advertises in Apple Assembly
Line ?
I want to buy their '][in a Mac' program to assist with
moving a project to a Mac, but the phone number doesn't
work and 555-1212 doesn't list them either.

Did they fold or move ?

Thanks in advance for any pointers.

Keith R. Stanley
Room 4H-328
AT&T Bell Laboratories
Naperville, Illinois 60566

(312)-979-3416
decvax!ihnp4!ihlpa!krstan

From -6228838772765162846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c63bce509d622fd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 18:34:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cbatt!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!
k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: Apple][(early) trade ups?
Message-ID: <1592@k.cc.purdue.edu>
Date: Sat, 1-Nov-86 21:34:01 EST
Article-I.D.: k.1592
Posted: Sat Nov 1 21:34:01 1986
Date-Received: Tue, 4-Nov-86 00:04:12 EST
References: <3859@jhunix.UUCP>
Organization: Purdue University Computing Center
Lines: 27
Summary: Wouldn't dream of parting with it!

In article <3859@jhunix.UUCP>, ins_aeas@jhunix.UUCP (Earle A .Sugar) writes:
> I have read postings concerning Apple accepting trade-ins of //e boards
> towards a //GS. I have an early (I mean REAL early, serial #2047, 1977 vintage)
> and I would like to trade it in for a //GS. Does the deal for the //e apply to
> original][s also? Or, is the computer worth more as an antique? It has the
> original 'red book' manual complete with hand-drawn diagrams by Woz and
> a complete source-code listing of the monitor rom, 'sweet-16' interpreter, and
> mini-assembler inside. Of course, the machine has been upgraded since
> it came out of the factory. Ever try to run DOS with 4k on the board?

I don't know about anyone else, but I wouldn't dream of selling the above
machine, and you may be right- it might pull in more bucks as an antique.

Besides that though, I sincerely doubt that the upgrade will function properly
in an old II (or even II+). For starters the //e keyboard has upper and lower
case, not to mention the function keys (although a joystick could substitute
for function keys). Probably Apple wants the //e motherboards so their roms
can be destroyed. They probably would want to keep hold of the MMU and IOU
chips as they are custom built. I would guess that they are not too concerned
about roms from machines as old as yours. Beyond that, if Apple was planning
to recover chips from the old //e motherboard, the chips in your Apple II are
probably useless to them. Still, I would suggest you go to the source and
write to Apple directly.

All that aside, *I* wouldn't part with your machine- that's a piece of history.

Colin

From 8085453618964197579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20e2667e27831acc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 05:57:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!XX.LCS.MIT.EDU!
Mly.G.Pogo%OZ.AI.MIT.EDU
From: Mly.G.Pogo%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Bob Soron)
Newsgroups: net.micro.apple
Subject: Re: Thermometers for an Apple
Message-ID: <12251714424.13.MLY.G.POGO@OZ.AI.MIT.EDU>
Date: Sun, 2-Nov-86 08:57:23 EST
Article-I.D.: OZ.12251714424.13.MLY.G.POGO
Posted: Sun Nov 2 08:57:23 1986
Date-Received: Tue, 4-Nov-86 00:30:35 EST
References: <2200@ihlpa.UUCP>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 23

> From: Stanley <ihnp4!ihlpa!krstan@ucb-vax.ARPA>
> Subject: Thermometers for an Apple
>
> Has anyone added thermometers to an Apple ?
> I would like to put both an indoor and an outdoor
> thermometer on my Apple as part of a home control
> project.
>
> My only ideas would be to get a A/D board from
> Applied Engineering and look in my Op-Amp cookbook
> for a circuit. Any better pointers are appreciated.

I believe that one of Broderbund's Science Toolkits comes with a
thermometer. I have no experience with the package, but as long
as the documentation is relatively well-written, it shouldn't be
too hard to use it with your own programs. If I can dig out the
reviews that appeared in the Apple-oriented magazines not too long
ago, I'll forward pointers.

Bob

From 6577775716879917390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ecfd73958fcf1,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,312ecfd73958fcf1,start
X-Google-Attributes: gid129c11,public

X-Google-ArrivalTime: 1986-11-02 11:47:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcsri!utegc!utai!garfield!dalcs!lane
From: lane@dalcs.UUCP
Newsgroups: net.micro.apple,net.micro
Subject: Any Apple ///'s out there?
Message-ID: <2046@dalcs.UUCP>
Date: Sun, 2-Nov-86 14:47:48 EST
Article-I.D.: dalcs.2046
Posted: Sun Nov 2 14:47:48 1986
Date-Received: Mon, 3-Nov-86 02:07:05 EST
Distribution: net
Organization: Dalhousie University, Halifax, N.S., Canada
Lines: 39

Hi there. Any Apple /// user's out there?

How's it going? Got any software or info that's generally useful and
shareable? Know of any sources of such?

Do you all know of On Three, "The Company for Apple /// users" (P.O.
Box 3825, Ventura, CA 93006, (805) 644-3514). They publish a monthly
magasine "devoted" to the Apple /// ($40 for 12 issues) and besides,
sell software (Lazarus /// - undeletes files, Uncopyprotect - backup
protected disks & "uncatalyst", Selector /// - program switcher, Desktop
Manager - like Sidekick, Draw-On /// - like Macpaint, games, "disks-of-
the-month"), hardware (hard & floppy disk drives, clocks, mouse, memory),
discontinued software and documentation from Apple, even reconditioned
Apple ///'s, AND T-shirts, sweat-shirts and caps. They've been around
for four years or so and appear to me to be stable, competent, and reliable.
Standard disclaimers about not being involved with them apply...just a
satisfied customer who highly recommends this group to any Apple /// owner.

We have a couple of three's with Profile hard-disks and CPM Softcards
which are used primarily for Wordstar'ing. A third is similarly equipped
but is about 50-50 CPM and SOS, used for data entry and processing.

If there's anybody out there I certainly wouldn't mind hearing from you.
(sarcasm, pity, insults -> .NULL ... sympathy welcome!)

Anybody want to sell an Apple ///?

Say, how about a net.micro.apple3 (just kidding...for now :-)

--
John Wright

Post: c/o Dr Pat Lane, Biology Dept, Dalhousie U, Halifax, NS, Canada, B3H-1J4
Phone: 902-424-3805 or 902-424-6527
Ean: lane@cs.dal.cdn
Uucp: ...!{utcsri,garfield,dartvax}!dalcs!lane or ...!lane@dalcs.uucp
Bitnet: lane@cs.dal.cdn or JW@dal.bitnet (goes to Dal Cyber)

From -314529240394859957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b27b741aa0e3902a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 11:53:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!rutgers!lll-crg!nike!ucbcad!ucbvax!
IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: Re: Re: IIGS
Message-ID: <8611022034.AA00562@ucbvax.Berkeley.EDU>
Date: Sun, 2-Nov-86 14:53:00 EST
Article-I.D.: ucbvax.8611022034.AA00562
Posted: Sun Nov 2 14:53:00 1986
Date-Received: Tue, 4-Nov-86 01:44:02 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 16

Some clarification on an earlier message. The ONLY disk Apple
is currently shipping with the GS is a Guided Tour (Pascal based).
They ARE NOT shipping early versions of ProDOS 8 or ProDOS 16.
I got those from a dealer demo disk which most dealers will
not normally let a customer work with. The Guided Tour is
not worth a whole lot since it is Pascal based and totally
isolates the user from any command level work - monitor or
Applesoft prompt. Any software currently being run on the
GS by most folks will be the version that came with their
//e or //c application. What I got from the demo disk was
ProDOS 16 V1.0 Alpha 15 dated 15 SEP and ProDOS 8 V1.2
Beta 3 dated 7 SEP. The launcher that came with ProDOS 16
is version 1.0 and is simply a list of file and folder names -
unlike Mouse Desk.

Mark

From 2608932349531181355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5cb173c870aff763,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,5cb173c870aff763,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 15517a,5cb173c870aff763,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5cb173c870aff763,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 12:04:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!utcsri!utegc!utai!garfield!dalcs!lane
From: lane@dalcs.UUCP
Newsgroups: net.micro,net.micro.mac,net.micro.apple,net.micro.pc
Subject: IBM-PC <-> VAX <-> MAC network?
Message-ID: <2047@dalcs.UUCP>
Date: Sun, 2-Nov-86 15:04:07 EST
Article-I.D.: dalcs.2047
Posted: Sun Nov 2 15:04:07 1986
Date-Received: Mon, 3-Nov-86 02:06:35 EST
Distribution: net
Organization: Dalhousie University, Halifax, N.S., Canada
Lines: 25

Our company (and those who work for it) has/have a number of PC-clones,
a few Mac's, and assorted others (Apple //c and Apple ///'s). There is
talk of getting a uVAX or similar mini. Question... Is there a local-
area-network product that will allow all of these machines (especially
the PC's and Mac's) to be connected in some reasonable fashion, preferrably
using the VAX as a file server?

As something of a neophyte in networking I'm not really sure what I mean
by "reasonable fashion". For instance, how does one... or does one... go
about dealing with the (presumably) different data structures used by typical
PC and Mac applications.

Any ideas, net?

Thanks.

--
John Wright

Post: c/o Dr Pat Lane, Biology Dept, Dalhousie U, Halifax, NS, Canada, B3H-1J4
Phone: 902-424-3805 or 902-424-6527
Ean: lane@cs.dal.cdn
Uucp: ...!{utcsri,garfield,dartvax}!dalcs!lane or ...!lane@dalcs.uucp
Bitnet: lane@cs.dal.cdn or JW@dal.bitnet (goes to Dal Cyber)

From 6622039508288132108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,10be21ddaf325995,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 12:18:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcsri!utegc!utai!garfield!dalcs!lane
From: lane@dalcs.UUCP
Newsgroups: net.micro.apple
Subject: Can Apple // PRODOS software run on an Apple ///
Message-ID: <2048@dalcs.UUCP>
Date: Sun, 2-Nov-86 15:18:45 EST
Article-I.D.: dalcs.2048

Posted: Sun Nov 2 15:18:45 1986
Date-Received: Mon, 3-Nov-86 02:07:25 EST
Distribution: net
Organization: Dalhousie University, Halifax, N.S., Canada
Lines: 25

(I meant to ask this in my previous submission about Apple ///'s...
 Sorry to make you hit the "n" key twice!)

I have been given to understand that Apple's PRODOS operating system
was developed directly from their SOS o/s which they used on the ///.
In fact some of their SOS documentation mentions fields, etc. used in
ProDos. I'm wondering how close are they? Can ProDos data disks be
read by an Apple /// under SOS and vice-versa? Will ProDos software
work on an Apple /// under SOS? Will ProDos work on an Apple ///?
How about compatiblity between Apple II's or //'s running CPM and
Apple /// CPM?

(This should be interesting... :-)

Many thanks to any respondents.

--
John Wright

Post: c/o Dr Pat Lane, Biology Dept, Dalhousie U, Halifax, NS, Canada, B3H-1J4
Phone: 902-424-3805 or 902-424-6527
Ean: lane@cs.dal.cdn
Uucp: ...!{utcsri,garfield,dartvax}!dalcs!lane or ...!lane@dalcs.uucp
Bitnet: lane@cs.dal.cdn or JW@dal.bitnet (goes to Dal Cyber)

From -7290409136866419088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,513d741be59031d6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 16:47:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!ADS.ARPA!chan
From: chan@ADS.ARPA (Jeff Chan)
Newsgroups: net.micro.apple
Subject: mailing list...
Message-ID: <8611031635.AA13653@ucbvax.Berkeley.EDU>
Date: Sun, 2-Nov-86 19:47:04 EST
Article-I.D.: ucbvax.8611031635.AA13653
Posted: Sun Nov 2 19:47:04 1986
Date-Received: Tue, 4-Nov-86 05:30:33 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 13

Please remove me from your mailing list. I like the content and

may be coming into an "antique" II, but I have become a guest on
this host machine and shouldn't use the disk so much.

Jeff C.

P. S. The II has 48k+language card, a micromodem, 2 5.25 inch
(DOS 3.3) floppies. Would anyone care to tell me what kind of
upgrades are applicable/wise? I would like to get a shift key
mod/80 column card + a vi or emacs -like editor + perhaps a cheap
1200 baud modem and a terminal emulator for it or the micromodem.
Mice and desktops/windows are less crucial. Please reply directly
by mail if you know anything about this.

From 2756384189186911993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,db1581e8bde24f2b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 16:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: DOS 3.3 & Hard drives
Message-ID: <8611030207.AA03494@ucbvax.Berkeley.EDU>
Date: Sun, 2-Nov-86 19:59:00 EST
Article-I.D.: ucbvax.8611030207.AA03494
Posted: Sun Nov 2 19:59:00 1986
Date-Received: Tue, 4-Nov-86 01:42:37 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 32

Date: Sun, 2 Nov 86 16:51 PST
From: Patrick Ryan <D7314@UWAVM>
Subject: DOS 3.3 & Hard drives
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

==========
> From: CHRISTOPHER CHUNG <ST802414%BROWNVM.BITNET@wiscvm.wisc.edu>
> Subject: softerm II and hard drives.
> To: INFO-APPLE@BRL.ARPA

> Does anyone know how to modify Softerm II to work on a hard drive?
> I called Softronics technical support and they said it couldn't be done
> because DOS 3.3 cannot be run on a hard drive. This sounds very funny
> to me. The problem I am having is that I cannot load any of the
> configurations once I get softerm to boot. Anything that has to access
> the hard drive gives an I/O error. Anyone know why this is happening
> or how it can be fixed? Are there any other programs that you have
> encountered that do the same thing.

> Chris

Well, I don't know about how to fix it, but they weren't lying when they said DOS 3.3 wouldn't work with a hard disk. Usually, hard disks have their own DOS's (ie Corvus DOS). The reason is pretty obvious... DOS 3.3 accesses 153(?) K of disk space, since thats all a SSSD disk could handle when 3.3 was invented oh-so-many years ago. Softerm won't be the only program that has this problem either... many copy programs won't do DOS 3.3 ---> hard disk for the same reason.

Patrick Ryan
D7314@UWAVM.BITNET

From 7949046773123607649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d0a07147e5a4cf54,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 18:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM (NOW willya gimme some fightin' room?)
Newsgroups: net.micro.apple
Subject: RE; Thermometers on an Apple
Message-ID: <8611030028.AA12257@decwrl.dec.com>
Date: Sun, 2-Nov-86 21:06:00 EST
Article-I.D.: decwrl.8611030028.AA12257
Posted: Sun Nov 2 21:06:00 1986
Date-Received: Wed, 5-Nov-86 21:36:47 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 30

> Has anyone added thermometers to an Apple ?
>
> Keith R. Stanley
> decvax!ihnp4!ihlpa!krstan asks:

The easiest and by far the cheapest way to do it is to use a couple of thermistors wired to the game port. For each thermometer, use a thermistor of about 100K max resistance. Wire one end of the thermistor through a 27K resistor to +5V and the other end to a 27K resistor that goes to one the game port's paddle inputs. This will give a resistance range from about 54K to 154K - a good match for the 150K potentiometer that is used in Apple paddles.

To calibrate, put the thermistor in a bowl of ice water - that's 32F or 0C. Read the paddle and note the reading. Put the thermistor in a pan of boiling water - that's 212F or 100C. Read the paddle and note the reading. (If you're at a very high altitude, find an accurate thermometer to tell you what the freezing and boiling temperatures really are.) When you're calibrating, make sure the circuit includes all the wire that will be used when the thermistors are in place, to avoid inaccuracies introduced by long wires.

Thermistors are pretty linear, so you can write a simple scaling program in
BASIC to calculate temperature from the paddle reading. Put one indoors and
one outdoors (protected from the wind and rain) and you're all set.

Cheers,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From 6897980971859591059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f516369c19acb426,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-02 20:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: Eye's Book
Message-ID: <8611030742.AA06571@ucbvax.Berkeley.EDU>
Date: Sun, 2-Nov-86 23:05:00 EST
Article-I.D.: ucbvax.8611030742.AA06571
Posted: Sun Nov 2 23:05:00 1986
Date-Received: Tue, 4-Nov-86 03:35:13 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 4

dy, info-apple@BRL.ARPAThe book mentioned by Zigurd is "Programming the 65816:
and retails for 22.95. Very good book and reference.

Mark

From -3260084442012355431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3bfc64ef0e638b16,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 06:11:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!pyramid!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com (Joe Crap)
Newsgroups: net.micro.apple
Subject: //GS RGB
Message-ID: <6226@decwrl.DEC.COM>
Date: Mon, 3-Nov-86 09:11:00 EST
Article-I.D.: decwrl.6226
Posted: Mon Nov 3 09:11:00 1986
Date-Received: Tue, 4-Nov-86 02:32:06 EST

Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 19

Here are the pinouts for the //GS RGB outputs... The VIDEO 7 uses IMB style
O/P which is Digital I think...

Pin #   Pin #

1-Signal Gnd (red)   9-Analog Blue
2-Analog Red   10-N/C
3-Composite Sync (horiz+sync??)   11-Sound 1VPPK
4-N/C   12-Monochrome Video O/P
5-Analog Green   13-Signal Gnd (blue)
6-Signal Gnd (green)   14-N/C
7- -5VDC   15-N/C
8- +12VDC   Case-Shield Gnd

I hope this helps you out. I'm trying to find out myself so I can use my
VT241 monitor also. I don't know yet if the Composite Sync is positive or
Negative.. When I do I'll post it....

Joe Craparotta

From 111121949915377910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dcbf513366a50c6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 06:21:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!HI-MULTICS.ARPA!Hewett
From: Hewett@HI-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: IIc Mouse
Message-ID: <861103142135.265922@HI-MULTICS.ARPA>
Date: Mon, 3-Nov-86 09:21:00 EST
Article-I.D.: HI-MULTI.861103142135.265922
Posted: Mon Nov 3 09:21:00 1986
Date-Received: Tue, 4-Nov-86 05:30:03 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

Having used both the Apple Mouse and the A+ Mouse I would recommend the
A+. It has much finer and more responsive positioning. However it
requires the use of an aluminum graphed pad (included) for the optical
encoder. It is thin and light and approx 10" X 8".

Also try the new mouse/joystick from kraft. It is precise and does two
jobs at half the price of two devices.

From -3156221808303533843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ae07ed5bb3f01c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 06:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: IIGS upgrade options
Message-ID: <8611031644.AA13743@ucbvax.Berkeley.EDU>
Date: Mon, 3-Nov-86 09:39:00 EST
Article-I.D.: ucbvax.8611031644.AA13743
Posted: Mon Nov 3 09:39:00 1986
Date-Received: Tue, 4-Nov-86 05:31:36 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

Apple is offering both a 256K and 512K upgrades from
a //e to a IIGS. The 512K option includes an Apple
expansion card with one bank of memory. This upgrade
DOES include the desktop bus mouse. This was recently
changed by Apple and appears on their latest price lists.

Mark

From 1684040780878684674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c86f0833f4e97301
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 08:07:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cbatt!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!
k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: X-10 Powerhouse software missing
Message-ID: <1596@k.cc.purdue.edu>
Date: Mon, 3-Nov-86 11:07:39 EST
Article-I.D.: k.1596
Posted: Mon Nov 3 11:07:39 1986
Date-Received: Thu, 6-Nov-86 01:05:56 EST
References: <2201@ihlpa.UUCP>
Organization: Purdue University Computing Center
Lines: 21
Summary: I would like more info

In article <2201@ihlpa.UUCP>, krstan@ihlpa.UUCP (Stanley) writes:
> References:
>
> I purchased the X-10 Powerhouse controller from DAK for

> $20.00 and agree with previous posters that it is a
> steal.
>
>
>   Keith R. Stanley
>   Room 4H-328
>   AT&T Bell Laboratories
>   Naperville, Illinois 60566

I am very much interested in X-10 and related products. Does this controller allow direct control of X-10 modules, or is it an interface to a stand-alone X-10 Computer that controls the X-10 modules? Is $20.00 plus X-10 modules all that is required to get household control of appliances???

thanks,

Colin

From -8141472820536621771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,857ce7ddadc76f57
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 09:28:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!mit-eddie!ll-xn!nike!ucbcad!ucbvax!MITRE-BEDFORD.ARPA!wa
From: wa@MITRE-BEDFORD.ARPA
Newsgroups: net.micro.apple
Subject: Re: IIGS Sound Output
Message-ID: <8611031728.AA07524@mitre-bedford.ARPA>
Date: Mon, 3-Nov-86 12:28:04 EST
Article-I.D.: mitre-be.8611031728.AA07524
Posted: Mon Nov 3 12:28:04 1986
Date-Received: Tue, 4-Nov-86 03:28:32 EST
References: <8610301956.AA09191@mitre.ARPA>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The MITRE Corp., Bedford, MA
Lines: 10

I saw/heard a demo of the Bose speakers at Lechmere about a week ago, and they were excellent! They were selling for $229 and came with a built-in amplifier and mounting brackets (brackets may have been extra). The demo included a pocket AM/FM radio and a pocket CD, and the volume, even in a large noisy store, was everything a reasonable person could desire -- the sound quality was even more so. The speakers were about 6x6x9 inches -- I would think they'd be a first-rate solution for computer-generated sound problems.

Bill

From 7986378751255594577

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,29518c94f1fa53ce
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 14:17:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!BLUE.RUTGERS.EDU!JOSEPH
From: JOSEPH@BLUE.RUTGERS.EDU (Seymour)
Newsgroups: net.micro.apple
Subject: Re: softerm II and hard drives.
Message-ID: <12252067557.23.JOSEPH@BLUE.RUTGERS.EDU>
Date: Mon, 3-Nov-86 17:17:12 EST
Article-I.D.: BLUE.12252067557.23.JOSEPH
Posted: Mon Nov 3 17:17:12 1986
Date-Received: Tue, 4-Nov-86 08:03:02 EST
References: <8610281445.aa06848@VGR.BRL.ARPA>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 32

Chris

It is very difficult/Impossible to put softerm // on a hard disk. I tried very hard to do it some time ago and found out the following things.

Although Softerm][comes on a DOS disk, it replaces DOS 3.3 with its own custom operating system (that is smaller, faster and that can read Pascal and CP/M) during its startup process. It is not a DOS 3.3 problem that stifles hard disk users, but the incompatability of this custom operating system code.

Methods for putting Softerm on hard disk:

A)Boot up Softerm from floppy, load and set things just the way you want them and then use a 128K copy card like the Wildcard //e to snap a picture of memory and write it out as a set of binary files. You then move those files to your hard disk and use the WildCard startup utility to replace Softerm in the memory locations it started in. Cons: You cannot change configuration files on the fly and Softerm will not read or write your hard disk for file transfer or disk utilities.

B) Call Softronics and complain loudly. It is about time they came out with a new version that was hard disk compatible and supported ProDOS. A better user interface would also help. Let them know that when you decided to buy THE MOST EXPENSIVE terminal emulator for the Apple // bar-none, you expect it to perform accordingly.

Sorry I couldn't be of more help.

Seymour

From -3796155822834494993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4abe89fe15ff4f56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 15:39:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!im4u!rutgers!mit-eddie!ll-xn!nike!ucbcad!
ucbvax!XX.LCS.MIT.EDU!OAF.G.PELLER%OZ.AI.MIT.EDU
From: OAF.G.PELLER%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Adam Peller)
Newsgroups: net.micro.apple
Subject: Not getting mail from info-apple
Message-ID: <8611040314.AA25263@ucbvax.Berkeley.EDU>
Date: Mon, 3-Nov-86 18:39:42 EST
Article-I.D.: ucbvax.8611040314.AA25263
Posted: Mon Nov 3 18:39:42 1986
Date-Received: Tue, 4-Nov-86 08:27:19 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 12

Message-ID: <12252082575.56.OAF.G.PELLER@OZ.AI.MIT.EDU>

I havent been getting any mail from info-aplple for the last week or two...

my mailing address should be: *<oaf.g.peller>apple.txt%MIT-OZ@MIT-MC.arpa

perhaps it was misspelled??

thanks,
ADAMP@MIT-OZ

From 5709310444208463055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdf7444f861b5400
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 17:50:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!SRI-KL.ARPA!MULHERN
From: MULHERN@SRI-KL.ARPA (John Mulhern)
Newsgroups: net.micro.apple
Subject: Re: power packs on //, Mac
Message-ID: <12252106303.9.MULHERN@SRI-KL.ARPA>
Date: Mon, 3-Nov-86 20:50:02 EST
Article-I.D.: SRI-KL.12252106303.9.MULHERN
Posted: Mon Nov 3 20:50:02 1986
Date-Received: Tue, 4-Nov-86 08:07:07 EST
References: <821@ihlpf.UUCP>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 2

OK, I promise to do it this week -- how about Wed at 1:15 PM?

From -7114499170359582408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdf7444f861b5400
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-03 17:50:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!SRI-KL.ARPA!MULHERN
From: MULHERN@SRI-KL.ARPA (John Mulhern)
Newsgroups: net.micro.apple
Subject: Re: power packs on //, Mac
Message-ID: <12252106415.9.MULHERN@SRI-KL.ARPA>
Date: Mon, 3-Nov-86 20:50:39 EST
Article-I.D.: SRI-KL.12252106415.9.MULHERN
Posted: Mon Nov 3 20:50:39 1986
Date-Received: Tue, 4-Nov-86 08:08:01 EST
References: <821@ihlpf.UUCP>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 2

sorry, please ignor last message

From -1160137390804732675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef232328d6173d34,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-04 12:22:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!nike!ucbcad!zen!zooey.Berkeley.EDU!c160-ed
From: c160-ed@zooey.Berkeley.EDU (Norman Fong)
Newsgroups: net.micro.apple
Subject: Apple IIgs software
Message-ID: <806@zen.BERKELEY.EDU>
Date: Tue, 4-Nov-86 15:22:02 EST
Article-I.D.: zen.806
Posted: Tue Nov 4 15:22:02 1986
Date-Received: Wed, 5-Nov-86 05:17:10 EST
Sender: news@zen.BERKELEY.EDU
Distribution: net
Organization: University of California, Berkeley
Lines: 10
Keywords: gs

I got my system thru apple as a developer.
Thy did ship us PACKAGED copies of the iigs system
disk that contains prodos 8,16 and the finder.

(Mousedesk improved)
Neil Shapiro on CompuServe just posted that he got a
test version of Tass Times in Tonetown from Activision.
The new GS version, he says, is incredible.
"A MUST BUY" for all gs owners. We just got in
the new mousewrite from roger wagner.. Not much
special, wait for wordperfect gs.

From 1907987174745500692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,f52e98c9ebe92cc2,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 129c11,f52e98c9ebe92cc2,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,f52e98c9ebe92cc2,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,f52e98c9ebe92cc2,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-11-04 13:55:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cbatt!ihnp4!drutx!dvac
From: dvac@drutx.UUCP (VachonD)
Newsgroups: net.micro.apple,net.micro.cbm,net.micro.pc,net.micro
Subject: The Laboratory BBS
Message-ID: <1839@drutx.UUCP>
Date: Tue, 4-Nov-86 16:55:02 EST
Article-I.D.: drutx.1839
Posted: Tue Nov 4 16:55:02 1986
Date-Received: Thu, 6-Nov-86 01:07:50 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 25
Xref: mnetor net.micro.apple:1706 net.micro.cbm:1447 net.micro.pc:7548
net.micro:6366

Call....   The Laboratory Bulletin Board System

                    (303) - 423 - 3156

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     * Arena w/Adventure for Role Playing Gamesters

     * Matchmaker Computer Dating Service

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     * Always expanding and adding new modifications

     * Coming soon: HUGE Casino & other on-line games

Give it a call tonight!!   The Laboratory BBS......(303) - 423 - 3156

               Later Days -=> Dan Vachon !drutx!dvac

From 492442379321361342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb988d907c4db1d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-04 14:26:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!pyramid!decwrl!decvax!
wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Small C for apple?
Message-ID: <311c8654.46@apollo.uucp>
Date: Tue, 4-Nov-86 17:26:43 EST
Article-I.D.: apollo.311c8654.46
Posted: Tue Nov 4 17:26:43 1986
Date-Received: Wed, 5-Nov-86 22:14:15 EST
References: <768@gould9.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Organization: Apollo Computer, Chelmsford, MA
Lines: 23
Keywords: Does it exist?

In article <768@gould9.UUCP> paul@gould9.UUCP (Paul Close) writes:
>
>   I have seen small C compilers available for CPM systems. These
> compilers seem to be easily modified. Does anyone know of a small C compiler
> available for the apple // series?
>

The people who sell the ORCA/M assembler for Prodos also sell (for $50 extra)
a Small C compiler with full source. You must have the assembler to run it.

                                                              -kee

--

UUCP: ...{mit-erl,mit-eddie,yale,uw-beaver,decvax!wanginst}!apollo!nazgul
USPS: Apollo Computer, Chelmsford MA. (617) 256-6600 x7587
                   or 499B Boston Rd, Groton MA. (617) 448-2863
ARPA: apollo!nazgul@eddie.mit.edu

I'm not sure which upsets me more; that people are so unwilling to accept
responsibility for their own actions, or that they are so eager to regulate

everyone else's.

From 4669515494267651534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc429bc49b6d40a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-04 23:52:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!NRTC-GREMLIN.ARPA!willson
From: willson@NRTC-GREMLIN.ARPA (Stephen Willson)
Newsgroups: net.micro.apple
Subject: /// compatibilty with prodos
Message-ID: <8611050724.AA23701@ucbvax.Berkeley.EDU>
Date: Wed, 5-Nov-86 02:52:57 EST
Article-I.D.: ucbvax.8611050724.AA23701
Posted: Wed Nov 5 02:52:57 1986
Date-Received: Wed, 5-Nov-86 21:46:31 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

I remember reading in a recent issue (one or two months old) of
A+ magazine about a card that goes into a /// and makes it compatible
with a //c or //e, I forget which.

Sincerely,

Stephen Willson
Northrop Research and Technology Center
Palos Verdes, CA
willson@nrtc.northop.com

From 2003053533813224276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61c5fbeed463b834,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 05:25:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: Running II software on a ///
Message-ID: <8611060122.AA02050@ucbvax.Berkeley.EDU>
Date: Wed, 5-Nov-86 08:25:00 EST
Article-I.D.: ucbvax.8611060122.AA02050
Posted: Wed Nov 5 08:25:00 1986
Date-Received: Thu, 6-Nov-86 01:09:57 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

The easiest way to use a /// to run II applications is with
the addition of a Titan ///+//e board(s). For a price of about
$400, you can add a two-slot set of boards that will make a
/// emulate a //e with 128K, etc. There are also
several other companies looking at slot expanders,
etc. One interesting thing has come about now as
far as /// owners are concerned: Will someone come
out with a /// emulator which will run on the
IIGS???

Mark

From 4200614762321287230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ae4092f8e13344a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 06:13:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!E.ISI.EDU!SAC.SICC
From: SAC.SICC@E.ISI.EDU
Newsgroups: net.micro.apple
Subject: IDS Printer
Message-ID: <8611060057.AA01642@ucbvax.Berkeley.EDU>
Date: Wed, 5-Nov-86 09:13:09 EST
Article-I.D.: ucbvax.8611060057.AA01642
Posted: Wed Nov 5 09:13:09 1986
Date-Received: Thu, 6-Nov-86 00:49:46 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 14

I have an IDS (Integral Data Systems) printer which I would
like to use with an Apple //c. The printer has both
parallel and serial capability. It appears to have a
"standard " RS232 plug in the back of the printer.

My question is this: do I need anything other than a "standard"
//c to RS232 serial cable to use this printer with
my apple? If so, what? And finally, has anyone else got an IDS computer
they are using with a //c or][e?

Thanks,

Jim

From 2524624875932822995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7702f35e04910293,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-11-05 07:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: Apple /// contacts
Message-ID: <8611060128.AA02218@ucbvax.Berkeley.EDU>
Date: Wed, 5-Nov-86 10:45:00 EST
Article-I.D.: ucbvax.8611060128.AA02218
Posted: Wed Nov 5 10:45:00 1986
Date-Received: Thu, 6-Nov-86 01:11:07 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 27

One can contact the Third Apple Users (TAU) group at:

             TAU (c/o Lavona Rann)
             1113 Wheaton Oaks Drive
             Wheaton, IL 60187
             (312) 665-6319

Benefits are a monthly newsletter, a disk library, and
a TAU HELPLINE. Memberships are $15.00/yr with a $5.00
initiation fee the first year. This is the largest Apple ///
group in the world, and the only one officially recognized by
Apple.

Sun Data my be contacted at:

               Sun Data
               P.O. Box 4059
               Logon, UT 84321
    Orderline - 800-821-3221
    Cust Serv - 801-752-7631

Bob Cook is the president and very helpful. They also
often sell refurbished Pluses and other such items.

Hope this is of help to fellow /// users out there.

Mark

From 239196342482784030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13cff2c9783c1045,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 09:48:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!nikhefk.UUCP!keeshu
From: keeshu@nikhefk.UUCP (Kees Huyser)
Newsgroups: net.micro.apple

Subject: vt52 for apple //e
Message-ID: <8611051105.AA00807@nikhefk.uucp>
Date: Wed, 5-Nov-86 12:48:39 EST
Article-I.D.: nikhefk.8611051105.AA00807
Posted: Wed Nov 5 12:48:39 1986
Date-Received: Wed, 5-Nov-86 22:33:13 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: Nikhef-K CSG
Lines: 26

For those of you who can't get ASCII EXPRESS to work properly with
vi, here's a termcap wich I have found useful.
In AE set terminal emulation to 0 (zero), in UN*X set termcap to 'ap'.

```
------------------<cut here>----------------------------------------
ab|apple2e|Apple //e:\
        :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:\
        :kd=^J:kl=^H:kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100r:\
        :rs=^R^N:se=^N:sf=^W:so=^O:sr=^V:up=^_:bs:nc:
ap|apple2e-p|Apple //e via Pascal:cm=^^%r%+ %+ :tc=apple2e:
2e|Apple //e|Apple //e emulating vt52:\
        :cl=100\EH\EJ:tc=vt52:
------------------<and cut here>----------------------------------------
```


```
+-----------------------------------------------------------------+
|  Kees Huyser                                    |               |
|  Nationaal Instituut voor Kern Fysica en Hoge Energie Fysica    |
|  National Institute for Nuclear and High Energy Physics         |
|  PO Box 4395                                                    |
|  1009 AJ  Amsterdam, The Netherlands                            |
|                                    |                            |
|  UUCP : keeshu@nikhefk.UUCP                                     |
|         {[wherever]!seismo}!mcvax!keeshu@nikhefk.UUCP           |
|                                    |                            |
|  IF YOU BELIEVE DISCLAIMERS, YOU'LL BELIEVE ANYTHING!           |
+-----------------------------------------------------------------+
```


From 7950184272117261281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,5cb173c870aff763
X-Google-Attributes: gid15517a,public
X-Google-Thread: 129c11,5cb173c870aff763
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5cb173c870aff763
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,5cb173c870aff763
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-11-05 10:13:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!pyramid!voder!apple!ems
From: ems@apple.UUCP (Mike Smith)
Newsgroups: net.micro,net.micro.mac,net.micro.apple,net.micro.pc

Subject: Re: IBM-PC <-> VAX <-> MAC network?
Message-ID: <270@apple.UUCP>
Date: Wed, 5-Nov-86 13:13:15 EST
Article-I.D.: apple.270
Posted: Wed Nov 5 13:13:15 1986
Date-Received: Wed, 5-Nov-86 22:37:42 EST
References: <2047@dalcs.UUCP>
Reply-To: ems@apple.UUCP (Mike Smith)
Distribution: net
Organization: Apple Computer Inc., Cupertino, USA
Lines: 25
Xref: mnetor net.micro:6364 net.micro.mac:7807 net.micro.apple:1703
net.micro.pc:7537

In article <2047@dalcs.UUCP> lane@dalcs.UUCP writes:
>Our company (and those who work for it) has/have a number of PC-clones,
>a few Mac's, and assorted others (Apple //c and Apple ///'s). There is
>talk of getting a uVAX or similar mini. Question... Is there a local-
>area-network product that will allow all of these machines (especially
>the PC's and Mac's) to be connected in some reasonable fashion, preferrably
>using the VAX as a file server?
>
I don't have a very good answer, but in networking problems it is often
the case that any answer is better than none ... :-(...

We have a collection of Macs networked to a couple of VAXen
by way of Kinetics (sp?) boxs. The Macs are on appletalk and the Kenitics
box bridges the appletalk to ethernet. I have also seen demonstrated an
appletalk connection into IBM style PC's. I don't know if the two
uses of appletalk would be compatible or not; but it might be a start.

--

E. Michael Smith ...!sun!apple!ems

'If you can dream it, you can do it' Walt Disney

This is the obligatory disclaimer of everything. (Including but
not limited to: typos, spelling, diction, logic, and nuclear war)

From 6333095808601638468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ab888066f861e9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 12:48:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!ll-xn!adelie!axiom!linus!philabs!mcnc!ecsvax!
ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: A+ Mouse
Message-ID: <2215@ecsvax.UUCP>

Date: Wed, 5-Nov-86 15:48:55 EST
Article-I.D.: ecsvax.2215
Posted: Wed Nov 5 15:48:55 1986
Date-Received: Sat, 8-Nov-86 04:15:29 EST
References: <550@husc6.HARVARD.EDU> <551@husc6.HARVARD.EDU>
Distribution: net
Organization: UNC Educational Computing Service
Lines: 20
Summary: Optical mouse has problems

In article <551@husc6.HARVARD.EDU>, nakada@husc4.harvard.edu (paul nakada) writes:
> **********
>
> I am looking for a mouse for an Apple //c, and I have seen both the
> Apple mouse, and the A+ mouse which is supposed to be an "optical"
> mouse.. Does anyone have any comments or suggestions about either
> version? Thanks... Paul Nakada

The A+ optical mouse has to have a reflector pad under it to work. It
has no moving parts, so I guess it is less likely to wear out but it
doesn't slide as smoothly as the roller-type mouse. I have heard that
the optical mouse is not as sensitive as the Apple Mouse, but I can't
verify that, and I don't know that it really matters. That may be a
personal preference. I would try one out before I bought one. B.
Dalton's Book Stores carry them.

Rick Fincher
ranger@ecsvax

>

From 873406454813610466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c3769804124bbd58,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 13:50:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!hp-sdd!ncr-sd!sdcsvax!
jack!man!sdsu!m138019
From: m138019@sdsu.UUCP (James)
Newsgroups: net.micro.apple
Subject: Dos 3.3 on hard disk
Message-ID: <74@sdsu.UUCP>
Date: Wed, 5-Nov-86 16:50:30 EST
Article-I.D.: sdsu.74
Posted: Wed Nov 5 16:50:30 1986
Date-Received: Fri, 7-Nov-86 09:06:59 EST
Reply-To: m138019@sdsu.UUCP (James)
Distribution: net.micro.apple
Organization: San Diego State University, Math/Sciences Dept.
Lines: 12
Keywords: DOS 3.3, Hard Disks

DOS 3.3 Can be run on a hard disk. The hard disk must be partitioned into various volumes.

The Sider, for example, can be (and must be, as a matter of fact) partitioned for each operating system (ie Pascal, DOS 3.3, Prodos, CPM) compatable with the Apple. (The partitions can be zero). You can partition DOS in 528 sector volumes, or 'super' volumes, about 1500 sectors. Using the regular size you can get about 64 (floppy sized) volumes.

James Hensley

From 2796314192253216286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5bab4fbb2d4c7c07,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 14:19:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!nsc!decwrl!asd.dec.com!binder
From: binder@asd.dec.com (NOW willya gimme some fightin' room?)
Newsgroups: net.micro.apple
Subject: Apple /// availability
Message-ID: <6262@decwrl.DEC.COM>
Date: Wed, 5-Nov-86 17:19:27 EST
Article-I.D.: decwrl.6262
Posted: Wed Nov 5 17:19:27 1986
Date-Received: Thu, 6-Nov-86 20:57:25 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 15

Someone asked a few days ago if there are any Apple /// machines for sale. Page 22 of the December 1986 A+ carries an ad from Sun Systems Remarketing, in Logan, Utah, phone (801) 752-7631 for information or (800) 821-3221 for ordering. They list a 256K Apple /// with a disk drive for $599.00 reconditioned - for $999.00 you can get a /// with a 5 MB ProFile. They also list various Lisa Professional models, beginning at $799.00 for a 512K model with 400K internal microfloppy. I assume it includes a mouse, but the ad doesn't say so.

Cheers,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From 6664207919409486717

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc429bc49b6d40a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-05 14:39:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!husc6!seismo!lll-crg!lll-lcc!well!hoptoad!ptsfa!
ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: /// compatibilty with prodos
Message-ID: <330@ski.UUCP>
Date: Wed, 5-Nov-86 17:39:33 EST
Article-I.D.: ski.330
Posted: Wed Nov 5 17:39:33 1986
Date-Received: Fri, 7-Nov-86 22:21:03 EST
Reply-To: dr@unix.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 23

In the Dec '86 (current) issue of A+, Gary Little ansers this exact
question.

In summary, he says that the Apple][emulation on the Apple /// uses
memory that is necessary to run ProDos to instead run Applesoft.
Therefore, the basic Apple /// cannot run ProDos.

The recent availability of the III Plus IIe Card from Titan
Technologies makes it possible to run ProDOS and to emulate the //e.

A previous article in A+, July,'86, "Apple III Alter Ego" discusses
this hardware.

--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -8028849518059385810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c86f0833f4e97301
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-06 05:36:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!sri-spam!mordor!lll-crg!lll-lcc!well!jl
From: jl@well.UUCP (John Leininger)
Newsgroups: net.micro.apple

Subject: Re: X-10 Powerhouse software missing
Message-ID: <2007@well.UUCP>
Date: Thu, 6-Nov-86 08:36:54 EST
Article-I.D.: well.2007
Posted: Thu Nov 6 08:36:54 1986
Date-Received: Fri, 7-Nov-86 21:51:14 EST
References: <2201@ihlpa.UUCP> <1596@k.cc.purdue.edu>
Organization: Whole Earth Lectronic Link, Sausalito, CA
Lines: 10
Summary: it does act as a standalone controller

it can handle 8 modules. Turn them on and off, no dim or manual programming.

I have the software for the mac and apple //. I find the mac software
very poor and difficult to use. You are prone to move the settings for
one modual to another not knowing it. Also settings are difficult
to display. It is not convient to display the settings in an understandable
textual format - day - time on - time off - etc, the graphics they use
get in the way and make prgramming the controller and making changes
very time consuming and prone to errors.

From 6174979509574637686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,5cb173c870aff763
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,5cb173c870aff763
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,5cb173c870aff763
X-Google-Attributes: gid15517a,public
X-Google-Thread: 129c11,5cb173c870aff763
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-11-06 05:47:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!sri-spam!mordor!lll-crg!lll-lcc!well!jl
From: jl@well.UUCP (John Leininger)
Newsgroups: net.micro,net.micro.mac,net.micro.apple,net.micro.pc
Subject: Re: IBM-PC <-> VAX <-> MAC network?
Message-ID: <2008@well.UUCP>
Date: Thu, 6-Nov-86 08:47:45 EST
Article-I.D.: well.2008
Posted: Thu Nov 6 08:47:45 1986
Date-Received: Fri, 7-Nov-86 21:51:26 EST
References: <2047@dalcs.UUCP> <270@apple.UUCP>
Distribution: net
Organization: Whole Earth Lectronic Link, Sausalito, CA
Lines: 8
Xref: watmath net.micro:15881 net.micro.mac:8555 net.micro.apple:3416
net.micro.pc:10982
Summary: vax and macs and unix

TOPS is supposed to becoming out with a unix version to its network solution. so if you vax is to run unix perhaps they may have the solution for you. TOPS now permitts Macs and PC to network on appletalk.

Aslo you may want to look into Lutzky-Baird, they have a apple talke network using a unix machine as the file server (it also remains a working unix system)

From -4585809788477435439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,5cb173c870aff763
X-Google-Attributes: gid152df8,public
X-Google-Thread: 129c11,5cb173c870aff763
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,5cb173c870aff763
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5cb173c870aff763
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-06 11:06:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!unirot!ooblick
From: ooblick@unirot.UUCP (Mikki Barry)
Newsgroups: net.micro,net.micro.mac,net.micro.apple,net.micro.pc
Subject: Re: IBM-PC <-> VAX <-> MAC network?
Message-ID: <121@unirot.UUCP>
Date: Thu, 6-Nov-86 14:06:18 EST
Article-I.D.: unirot.121
Posted: Thu Nov 6 14:06:18 1986
Date-Received: Fri, 7-Nov-86 20:13:32 EST
References: <2047@dalcs.UUCP> <270@apple.UUCP>
Reply-To: ooblick@unirot.UUCP (Mikki Barry)
Distribution: net
Organization: Public Access Un*x (The Soup Kitchen) NJ
Lines: 25
Xref: mnetor net.micro:6369 net.micro.mac:7818 net.micro.apple:1711 net.micro.pc:7566

In article <270@apple.UUCP> ems@apple.UUCP (Mike Smith) writes:
>In article <2047@dalcs.UUCP> lane@dalcs.UUCP writes:
>>Our company (and those who work for it) has/have a number of PC-clones,
>>a few Mac's, and assorted others (Apple //c and Apple ///'s). There is
>>talk of getting a uVAX or similar mini. Question... Is there a local-
>>area-network product that will allow all of these machines (especially
>>the PC's and Mac's) to be connected in some reasonable fashion, preferrably
>>using the VAX as a file server?
>>
>I don't have a very good answer, but in networking problems it is often
>the case that any answer is better than none ... :-(...

There is currently a product on the market called TOPS which is currently being used by our company to network IBM PC's and Macs. One PC clone has been loaded with hard drives and is being used as a file server for the

rest of the network. Mac files can easily be stored on the PC hard drives.
The company that wrote TOPS promises a system for UNIX and VMS boxes
very soon.

For the Mac, software only is needed. For the PC's and Vaxen, a card
will be required.

So far, its worked fine for us.

Mikki Barry

From 2134456494233301405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,662fd3aac4e6d6f4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-06 17:57:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Flight Simulator Yoke
Message-ID: <331@ski.UUCP>
Date: Thu, 6-Nov-86 20:57:42 EST
Article-I.D.: ski.331
Posted: Thu Nov 6 20:57:42 1986
Date-Received: Sat, 8-Nov-86 06:33:14 EST
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 23

A short time ago, someone posted here about a home-made yoke he had
for Flight Simulator II. I was interested, because I thought about
building one even since I bought FS II.

On the inside back cover of the new A+ magazine (Dec. '86), there is
an ad from ICON, Inc., for the MAXX. This is a yoke system that
attaches to the game port of an IBM, or an Apple II series. There are
buttons on top of both arms of the yoke, and a slide-control throttle
on the central console. The ad indicates that the user calibrates it
to the system upon startup, and that it is usable with jet, Cessna,
auto racing, tank, and space flight simulators.

The price shown is $129.95.
--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 2966908861510757714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,5cb173c870aff763
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,5cb173c870aff763
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,5cb173c870aff763
X-Google-Attributes: gid15517a,public
X-Google-Thread: 129c11,5cb173c870aff763
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-11-06 20:56:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cuae2!ihnp4!chinet!wmf
From: wmf@chinet.UUCP (William M. Fischer)
Newsgroups: net.micro,net.micro.mac,net.micro.apple,net.micro.pc
Subject: Re: IBM-PC <-> VAX <-> MAC network?
Message-ID: <727@chinet.UUCP>
Date: Thu, 6-Nov-86 23:56:24 EST
Article-I.D.: chinet.727
Posted: Thu Nov 6 23:56:24 1986
Date-Received: Sat, 8-Nov-86 05:11:11 EST
References: <2047@dalcs.UUCP>
Sender: news@chinet.UUCP
Reply-To: wmf@chinet.UUCP (William M. Fischer)
Distribution: net
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 30
Xref: watmath net.micro:15882 net.micro.mac:8563 net.micro.apple:3421
net.micro.pc:10993

In article <2047@dalcs.UUCP> lane@dalcs.UUCP writes:
>Our company (and those who work for it) has/have a number of PC-clones,
>a few Mac's, and assorted others (Apple //c and Apple ///'s). There is
>talk of getting a uVAX or similar mini. Question... Is there a local-
>area-network product that will allow all of these machines (especially
>the PC's and Mac's) to be connected in some reasonable fashion, preferrably

I think that KERMIT may hold at least a partial solution to your problem.

This free package is available in versions that will run under all the machines you mention and would allow at least the sharing of ASCII text files. The VAX could act as the hub of this network, running in the server mode, with all the others interactive.

For more information on kermit and it's uses, get the KERMIT Users Guide from:

KERMIT Distribution
Columbia University Center for Computing Activities
612 West 115th Street
New York, NY 10025

Enclose $5 per copy.

I have set up simular configurations using a UNIX box as the hub with very good results.
--

```
             ====================================================
             |    Fortiter in re,       ||     Bill Fischer     |
             |       suaviter in modo.  ||  ...ihnp4!chinet!wmf |
             ====================================================
```


From -6648407255245617438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2d4885b8e158d514,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,2d4885b8e158d514,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,2d4885b8e158d514,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-07 08:09:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!lll-crg!nike!ucbcad!ucbvax!sdcsvax!net1!zz96sr
From: zz96sr@net1.UCSD.EDU (Steve Rusk)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: McIntosh Documentation HELP!
Message-ID: <314@net1.UCSD.EDU>
Date: Fri, 7-Nov-86 11:09:33 EST
Article-I.D.: net1.314
Posted: Fri Nov 7 11:09:33 1986
Date-Received: Sat, 8-Nov-86 04:44:06 EST
Distribution: na
Organization: UCSD Academic Network Operations
Lines: 20
Xref: watmath net.micro:15884 net.micro.apple:3422 net.micro.mac:8565

I'm with the Technical Services Department, Academic Computer Center at the University of California San Diego. We are starting to service/repair the vast multitude of mini/micro PC's on campus.

After placing a few phone calls, we are finding that technical info on the McIntosh is hard to come by (Schematics in particular).

Do any net.users have any sources for hardware documentation? Please reply via electronic mail, as I don't regularly visit this news group.

Thanks in advance!

Steve Rusk
UCSD

Mail Code C-010
San Diego, Ca.
92093

From -3488312214955153307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,12313424b685a115
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-07 08:45:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!sri-spam!sri-unix!hplabs!hao!nbires!isis!
udenva!mbrookov
From: mbrookov@udenva.UUCP (mbrookov)
Newsgroups: net.micro.apple
Subject: Re: IIGS Analog RGB
Message-ID: <2346@udenva.UUCP>
Date: Fri, 7-Nov-86 11:45:15 EST
Article-I.D.: udenva.2346
Posted: Fri Nov 7 11:45:15 1986
Date-Received: Sun, 9-Nov-86 03:54:17 EST
References: <861029222455.768156@HI-MULTICS.ARPA>
Reply-To: mbrookov@udenva.UUCP ()
Organization: U of Denver
Lines: 17

In article <861029222455.768156@HI-MULTICS.ARPA> Hewett@HI-MULTICS.ARPA writes:
>I really need an answer folks. Will I be able to use my Amdek 600 RGB
>monitor (I currently use on my IIc with a Video-7 adapter) directly into
>the IIGS Analog RGB port?????
>
>Thanks..... Bill Hewett -at HiMultics (617)969-0250

I work for a computer store in Westminster, Colorado. We carry IBM, Apple and Amiga. The Amiga has simular graphic capabilities as the GS, and what happens with other RGB monitors is the monitor maps the 4096 colors to one of the colors that the monitor can display. So instead of getting shades of red it would display red. any program that depends on lots of different shades of colors would not display correctly. I have not tried the GS but plan to eventually. (the manager is afraid I will blow it up) I think it is a safe assumption that the //GS will have the same problem.

Matt Brookover

From -2640565011607344669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109e3b,83bd8bd34db989f5,start
X-Google-Attributes: gid109e3b,public
X-Google-Thread: 1622d3,83bd8bd34db989f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-07 12:04:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!cbatt!cbosgd!mark
From: mark@cbosgd.ATT.COM (Mark Horton)
Newsgroups: net.micro.apple,comp.sys.apple
Subject: net.micro.apple is being renamed comp.sys.apple
Message-ID: <2998@cbosgd.ATT.COM>
Date: Fri, 7-Nov-86 15:04:29 EST
Article-I.D.: cbosgd.2998
Posted: Fri Nov 7 15:04:29 1986
Date-Received: Sat, 8-Nov-86 05:46:10 EST
Distribution: na
Organization: AT&T Bell Laboratories, Columbus, Oh
Lines: 12
Xref: watmath net.micro.apple:3423 comp.sys.apple:1

This newsgroup is being renamed from net.micro.apple to comp.sys.apple.
This renaming will gradually take place over the next few weeks.
More and more messages posted to this newsgroup will be aliased
into the new newsgroup as they pass through the net, and people
will begin to post to the new group. After a few weeks, the
old name will be removed.

This note is to inform you of the renaming so you can begin to
read the new group as well as the old group.

     Mark Horton
     Director, the UUCP Project

From -6674563476022118502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7702f35e04910293
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-08 02:18:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!well!elliot
From: elliot@well.UUCP (Elliot Fabric)
Newsgroups: net.micro.apple
Subject: Re: Apple /// contacts
Message-ID: <2012@well.UUCP>
Date: Sat, 8-Nov-86 05:18:56 EST
Article-I.D.: well.2012
Posted: Sat Nov 8 05:18:56 1986
Date-Received: Sun, 9-Nov-86 03:43:57 EST
References: <8611060128.AA02218@ucbvax.Berkeley.EDU>
Reply-To: elliot@well.UUCP (Elliot Fabric)
Organization: Whole Earth Lectronic Link, Sausalito CA
Lines: 21

Apple Three Users of Northern California (A.T.U.N.C.)
P.O. Box 1528
Mill Valley, California 94942

Meetings on the last Thursday of the month usually.
However second to last Thurs. in November because
of Thanksgiving and no December meeting.

Meets at San Francisco State University, Business Building
Room 214, 7 pm.

$20 annual dues includes a monthly newsletter that includes
many articles and tidbits for /// users. Send a letter to see a
couple of sample issues.

Large public domain library, including technical manuals.
Generally PD disks are $3 to members $5 to non-members.
Manuals are reproduced for just over cost of photocopying.

Approximately 130 members and growing.

From 6990693449874083631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,12313424b685a115
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-08 09:56:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ll-xn!cit-vax!news
From: news@cit-vax.Caltech.Edu (Usenet netnews)
Newsgroups: net.micro.apple
Subject: Re: IIGS Analog RGB
Message-ID: <1140@cit-vax.Caltech.Edu>
Date: Sat, 8-Nov-86 12:56:33 EST
Article-I.D.: cit-vax.1140
Posted: Sat Nov 8 12:56:33 1986
Date-Received: Sun, 9-Nov-86 04:02:43 EST
References: <861029222455.768156@HI-MULTICS.ARPA> <2346@udenva.UUCP>
Reply-To: lyles@tybalt.caltech.edu.UUCP (Lyle N. Scheer)
Organization: California Institute of Technology
Lines: 39
Summary: Analog vs Digital

Organization : Calfornia Institute of Technology
Keywords: RGB Analog Digital
From: lyles@tybalt.caltech.edu (Lyle N. Scheer)
Path: tybalt.caltech.edu!lyles

In article <2346@udenva.UUCP> mbrookov@udenva.UUCP () writes:
>In article <861029222455.768156@HI-MULTICS.ARPA> Hewett@HI-MULTICS.ARPA writes:
>>I really need an answer folks. Will I be able to use my Amdek 600 RGB
>>monitor (I currently use on my IIc with a Video-7 adapter) directly into
>>the IIGS Analog RGB port?????
>>
>>Thanks..... Bill Hewett -at HiMultics (617)969-0250
>
>I work for a computer store in Westminster, Colorado. We carry IBM, Apple

>and Amiga. The Amiga has simular graphic capabilities as the GS, and what
>happens with other RGB monitors is the monitor maps the 4096 colors to one
>of the colors that the monitor can display. So instead of getting shades
>of red it would display red. any program that depends on lots of different
>shades of colors would not display correctly.

 The monitor you are talking about has to be a Digital RGB. With Digital, the colors will not work correctly(Digital RGB just cannot handle all those shades). On the other hand, an Analog RGB will work correctly. Being an Amiga owner with a Digital RGB/composite/tv, I know all about this(say, does anyone know how to rewire digital to analog???). Therefore, if your Amdek is Analog, you will have no problems.

> I have not tried the GS but
>plan to eventually. (the manager is afraid I will blow it up) I think it
>is a safe assumption that the //GS will have the same problem.
>
It is not the GS's fault... But you are correct, with the monitor you tested, you will have that problem.

>   Matt Brookover

                        Wonko the Sane
                        (ex Apple][+ owner,
                         happy Amiga owner)

From -4899203194848738637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d2f66eccfc15aa3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-08 10:25:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cuae2!ihnp4!gargoyle!sphinx!ant3
From: ant3@sphinx.UChicago.UUCP (Butch Anton)
Newsgroups: net.micro.apple
Subject: Software for formatting Hard Disk Wanted
Message-ID: <793@sphinx.UChicago.UUCP>
Date: Sat, 8-Nov-86 13:25:15 EST
Article-I.D.: sphinx.793
Posted: Sat Nov 8 13:25:15 1986
Date-Received: Mon, 10-Nov-86 00:51:00 EST
Reply-To: ant3@sphinx.UUCP (Butch Anton)
Organization: Univ. of Chicago Computation Center
Lines: 24

I tried this about a month ago, and got no response, so here it goes again...

I have a Franklin DataX10 hard disk, which I have previously formatted into DOS, CP/M, and Pascal volumes. I now wish to reformat it, and include the above, plus ProDOS. Unfortunately, the software I received with the HD does not support ProDOS. Does anyone out

there have some software I could use to format this beast?

Thanx in advance,

Butch Anton
Systems Analyst, University of Chicago, Dept. of Mathematics

uucp: ...ihnp4!gargoyle!sphinx!ant3, ...ihnp4!gargoyle!butch
...ihnp4!gargoyle!anubis!butch, ...ihnp4!gargoyle!euler!butch
mailnet: x9.xba@UChicago.Mailnet
bitnet: ant3%sphinx@UChicago.Bitnet
ARPA: x9.xba%UChicago.Mailnet@MIT-Multics.ARPA
USnail: (home) 5135 1/2 S. Woodlawn (312) 752-0850 home
Chicago, IL 60615
(work) 5734 S. Unviersity (312) 753-9121 work
Chicago, IL 60637

From -5074101628640985295
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1700556b093b4bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-09 16:21:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cuae2!ihnp4!drutx!drune!nick
From: nick@drune.UUCP (SilvaNT)
Newsgroups: net.micro.apple
Subject: gs software
Message-ID: <226@drune.UUCP>
Date: Sun, 9-Nov-86 19:21:37 EST
Article-I.D.: drune.226
Posted: Sun Nov 9 19:21:37 1986
Date-Received: Mon, 10-Nov-86 05:02:58 EST
Organization: AT&T Information Systems Labs, Denver, Co
Lines: 22
Keywords: 65816

A survey of GS software so far looks like this:

Paintworks Plus and Writer's Choice Elite by Activision.
Drawing Table and Newsmaker by Broderbund.
Deluxe Paint by Electronic Arts.

The above are GS specific (65816 ML) programs. The following are programs
upgraded from the //e:

Rags to Riches by Chang Labs.
Pinpoint by Pinpoint Publishing
CommWorks (PBI)
Managing you Money by Meca.
Dollars and Sense by Monogram.

MouseWrite by Roger Wagner.
VIP Professiona by VIP.

I don't know if the above programs were re-written into 65816 or are they still running in the 6502 mode. If they are in 6502 mode, is it possible for them to use some of the GS toolbox routines. If some one has the answer to this question, please post it.

From -7931826660164903336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 11:45:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: Re: C128 vs Apple //e
Message-ID: <883@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 13-Oct-86 14:45:17 EDT
Article-I.D.: cbmvax.883
Posted: Mon Oct 13 14:45:17 1986
Date-Received: Tue, 14-Oct-86 07:02:14 EDT
References: <2114@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 36

>
>>
>> Can you get a 4.08 MHz accelerator for the Apple (which is what you'd need
>> for twice the speed of the C128)? Last I heard no one's delivering 6502s in
>> production quantity that are speced to run above 3MHz.
> Most accelerators for the Apple // run at 3.6 mhz because it is a di n
> even division of the 14mhz system clock. The 65C02 used is actually
> a 4mhz chip (available from Rockwell, GTE or WDC). I think that the
> Western Design Center is getting production yields on 6mhz 65802's
> which are pin compatible with the 65C02 and 65816's which are used
> in the //gs.

Not quite. First of all, WDC doesn't make production silicon at all, I think they may even farm out much of their prototype work. GTE makes all of the 65SC816 parts; they've finally got the 4MHz part in reasonable quantities, though they're still expensive. I haven't heard anything positive on anything faster from them. Also, GTE only has 3MHz 65C02's in production quantities. They can get you 4MHz parts, but these are hand picked 3MHz parts. They're redesigning their 65C02 for real 4MHz operation, and expect to have that ready by early '87. WDC still doesn't have production quantities of any silicon product. I'm not sure how fast Rockwell parts are working (of course, they only make 65C02 and 6502), though Rockwell is in the process of de-emphasizing their 6502 lines in favor of 16 bit and greater chips (much to the approval of GTE, who's

apparently firmly comitted to the 65C02 families as long as they're selling
as well as they are).

> Rick
--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
          "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -3148445008573514052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b8feb25485180e2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 11:51:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!pro-sol.UUCP!mdavis
From: mdavis@pro-sol.UUCP (Morgan Davis)
Newsgroups: net.micro.apple
Subject: Keyboard feel
Message-ID: <8610140035.AA05579@bass.ARPA>
Date: Mon, 13-Oct-86 14:51:35 EDT
Article-I.D.: bass.8610140035.AA05579
Posted: Mon Oct 13 14:51:35 1986
Date-Received: Tue, 14-Oct-86 06:57:09 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 23

Grobbins writes:

> (Apple should be ashamed of itself for releasing such poorly designed
> data entry peripherals, but deserves applause for providing the bus for
> them.)

I beg to differ. IMHO, the mouse has a much more accurate glide and feel.
It's a bit heavier, and rolls smoother, giving what seems to be very precise
control. It certainly is the nicest feeling mouse Apple has come up with so
far.

The keyboard, although I'm not 100% fond of the layout (an arrow key cluster
would have been nice) has a much better feel than any keyboard Apple has ever
made in the past. Its got enough weight to it (unlike the PCjr's extremely
light keyboard) which makes it stay on your lap when typing. The keys don't
require that full (somewhat ridiculous) stroke that it takes to type on the
Macintosh. It has a pleasant tactile response (not soundling like so-many
mousetraps going off like on the IBM PC's keyboard).

I think the designs were excellent. I am curious to see anyone do better.

UUCP: [akgua, hplabs!hp-sdd, sdcsvax, noscvax] !crash!pnet01!pro-sol!mdavis
ARPA: crash!pnet01!pro-sol!mdavis@nosc

From -7262904000677817494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f4f20e94451ef5c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 11:55:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: Apple //gs
Message-ID: <884@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 13-Oct-86 14:55:21 EDT
Article-I.D.: cbmvax.884
Posted: Mon Oct 13 14:55:21 1986
Date-Received: Tue, 14-Oct-86 07:02:25 EDT
References: <2115@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 51

>
> Bill Mensch at the Western Design Center said in an interview over a
> year ago that the minimum speed available was 4mhz and that 6mhz parts
> would be available soon. How long GTE has been building them, I don't
> know, so their yields may not be up there yet.

Bill Mensch says alot of things. He also claimed he would deliver a 100MHz
Gallium-Arsinide 6502. GTE IS the only house making production 65SC816
chips. You should believe what Mensch says when its real, not when he's
hyping it.

> 16 colors PER LINE in 320X200 for a total of 256 possible, 4 per line
> in 640X200 for a total of 64 using the 16 color tables available. The
> 640X400 mode in the Amiga looks nice in pictures but not on a screen
> the flickering is just too noticeable, and high persistence phosphors
> smear animation. The early pre-release versions of the graphics chip
> had a bug, so that may be why it was socketed, but I didn't see the bug
> in the demo machine.

The socketing may be for replacing bad chips on the line; you wouldn't
necessarily ever see one in a production unit. The PER LINE argument you
give above is what the Apple's capable of, but according to the folks I've
talked with at EA, DPaint isn't supporting per-line reassignments. The
Amiga could just as easily change color assigmnets on a per-line basis,
via the copper, though Amiga DPaint doesn't support that either.

>> > File formats for the //gs are standardized so that any software can
>> > use another's images.
>>
>> Is this an Apple standard, or DPaint. They could be using the IFF standard

>> developed by EA and Commodore-Amiga; this would let the IIGS DPaint display
>> most Amiga images, and vias-versa.
>
> This is an Apple standard, but I don't know the details of it. In the
> past Apple has used straight bit maps, I hope they get a little more sophisti
> fancy than that but we'll have to wait and see.

Too bad. While it'd certainly be easy read each-other's graphics via
conversion programs, I thought with EA involved we might see an industry
first in terms of compatibility. You can expect software from EA
relatively fast for the IIGS. Everything they did for the Amiga was at
least for the most part coded in C language, so ports to the GS can happen
very fast.

--
==========
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
          "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 2733961778298077283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 12:03:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: Re: InCider's comments on the new //GS
Message-ID: <885@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 13-Oct-86 15:03:18 EDT
Article-I.D.: cbmvax.885
Posted: Mon Oct 13 15:03:18 1986
Date-Received: Tue, 14-Oct-86 07:02:40 EDT
References: <2116@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 27

> CLOSE to RISC. The RISC-like features are: hardwired for speed, lots
> of piplining and many 1 cycle operations. Although the 68000 can work
> on 16 bits at a time it takes 4 cycles to do it. The '816 can load or
> store 16 bits in 2 cycles. Not to put down the 68000 however because
> it is a clearly superior chip. Comparisons to the 8088 are more apt
> (and more fun!), the 65816 is a clear winner here, but there is all
> of that 8088 software out there.....

Rick, I agree with the 8088 comparison. But you've got more bus above
that! The 68000 loads 16 bits in 1 (one!) MEMORY cycle, the '816 and the
8088 each load 16 bits in 2 (two) MEMORY cycles. The '816 uses a straight

processor clock, the 8088 and 68000 essentially divide their input clock
by 4 for their memory cycles. Its the memory cycle that counts, that's
where the cost of memory is figured in, and its a much better meter of
performance than the clock speed (which is why your 2.8MHz '816 will
probably kill an 8088 at 4.77 MHz in most operations). The advantage of
the 4 cycle input clock is that fewer internal operations are left to
chance, since they have definate clock edges from which to be referenced.
It makes for a much less asynchronous design.

--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
          "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 370726867566046888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,403e86d86863fb81,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 16:34:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!mit-eddie!genrad!decvax!tektronix!tekig!
tekig4!billh
From: billh@tekig4.UUCP
Newsgroups: net.micro.apple
Subject: Terminal Communication using MANX C (Dos 3.3)
Message-ID: <1018@tekig4.UUCP>
Date: Mon, 13-Oct-86 19:34:26 EDT
Article-I.D.: tekig4.1018
Posted: Mon Oct 13 19:34:26 1986
Date-Received: Tue, 14-Oct-86 07:15:27 EDT
Organization: Tektronix Inc., Beaverton, Or.
Lines: 22
Keywords: Help Wanted

I have been trying to transfer C language files between an Apple][+ and
an Amiga. I have the Amiga configured to emulate a televideo 912 terminal,
and have been running the Apple][+ under the Aztec C environment version
(1.05B) with the system supposedly configured for an external terminal, using
the example given in the MANX documentation for the televideo 912 using the
CONFIG utility. I have a prometheus versacard in slot 3 and have the RS-232
port connected to the Amiga via a NULL modem.

The problem is that nothing works. The Apple refuses to either send or
recieve information. The problem appears to be in the MANX software, as I
can talk to the Amiga just fine when running Apple Pascal with the above
hardware configuration.

Can anyone who has used the MANX software with an external terminal
send me a working terminal configuration? I can emulate a wide variety

of terminals on the Amiga side, but I need working config data for
the Apple.

Thanks.

Bill Hansen
tektronix!tekig5!tekig4!billh

From 2765412368381913162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 18:14:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!sri-spam!sri-unix!hplabs!sdcrdcf!
ucla-cs!rutgers!lll-crg!lll-lcc!qantel!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxf!
sk644
From: sk644@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <2093@curly.ucla-cs.ARPA>
Date: Mon, 13-Oct-86 21:14:07 EDT
Article-I.D.: curly.2093
Posted: Mon Oct 13 21:14:07 1986
Date-Received: Thu, 16-Oct-86 02:13:26 EDT
References: <673@sphinx.UChicago.UUCP>
Organization: UCLA CS Department
Lines: 18
Nf-ID: #R:sphinx.UChicago.UUCP:673:uiucuxf:9900029:000:685
Nf-From: uiucuxf.CSO.UIUC.EDU!sk644   Oct 6 19:06:00 1986

Don't be silly. There are very important differences that you are
ignoring when you talk about processor speed. Processor speed (when
measured in Mhz) is relative!!! A 4 Mhz Z-80 (CP/M processor) is
as fast as a 1 Mhz 6502. Those 3.5 Mhz Apple-turbocards speed up the
Apple to about 1.5-2x faster than a PC....the speed at which a processor
operates is only useful information when you are talking about the
same family of microprocessors.

Benjy Mouse
University of Illinois at Urbana-Champaign

UUCP   : {ihnp4, convex, pur-ee}!uiucdcs!uiucuxf!sk644
Internet: uiucuxf!sk644@a.cs.uiuc.edu
FIDO   : Net 11,Node 102, Benjy Mouse
UBBS   : 217-359-4450, 300/1200/2400, 24 hours

From 5482671211917057802

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 18:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!sri-spam!sri-unix!hplabs!sdcrdcf!
ucla-cs!rutgers!lll-crg!lll-lcc!qantel!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!
rra202
From: rra202@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <2106@curly.ucla-cs.ARPA>
Date: Mon, 13-Oct-86 21:16:00 EDT
Article-I.D.: curly.2106
Posted: Mon Oct 13 21:16:00 1986
Date-Received: Thu, 16-Oct-86 02:17:54 EDT
References: <673@sphinx.UChicago.UUCP>
Organization: UCLA CS Department
Lines: 22
Nf-ID: #R:sphinx.UChicago.UUCP:673:uiucuxa:9800034:000:967
Nf-From: uiucuxa.CSO.UIUC.EDU!rra202   Oct 8 23:05:00 1986

    Written in responce 2 to this note.

Don't be silly. There are very important differences that you are
ignoring when you talk about processor speed. Processor speed (when
measured in Mhz) is relative!!! A 4 Mhz Z-80 (CP/M processor) is
as fast as a 1 Mhz 6502. Those 3.5 Mhz Apple-turbocards speed up the
Apple to about 1.5-2x faster than a PC....the speed at which a processor
operates is only useful information when you are talking about the
same family of microprocessors.

               (my text now)

I don't think a 6502 has a 4-1 advantage over a Z80. A 6502 has an
advantage because it does a full read in a cycle, unlike a Z80
which puts the address on the bus in one cycle and reads the data
in the next. But that's only a two to one advantage. And all the
benchmarks I read seem to say about a 2x advantage, which is what you
would think from my remarks.

   I run a 6502 at 2Mhz in my Commodo 128. It seem to be about 20% slower
than an IBM PC.

From 4231609381471501205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,643c8deb43ca8b3a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 21:07:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!ulysses!mhuxr!mhuxt!houxm!ihnp4!aicchi!joeloda

From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Replacing keyboard in a II+
Message-ID: <826@aicchi.UUCP>
Date: Tue, 14-Oct-86 00:07:03 EDT
Article-I.D.: aicchi.826
Posted: Tue Oct 14 00:07:03 1986
Date-Received: Wed, 15-Oct-86 01:31:10 EDT
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 17

After perusing the back pages of the latest Byte, I was wondering if anyone had ever tried replacing the keyboard on a II+ to get some of the features like up and down arrows, caps lock, auto repeat (maybe even some function keys and a real tab key) ? My current keyboard works fine, but you get spoiled at work after worrking on a real terminal. Since this is a home project, the cheapest alternatives will probably be the best.

Thanks ... Joe.
--
Joe Loda
Analysts International (Chicago Branch)

Usenet: ..!ihnp4!aicchi!joeloda
CIS: 75726,1641
BIX: jloda
GEnie: j.loda

From -5394991354599917641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed08f92fa362d8b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 05:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!LLL-MFE.ARPA!
SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: //gs cost considered deciding factor
Message-ID: <8610141241.AA12605@ucbvax.Berkeley.EDU>
Date: Tue, 14-Oct-86 08:41:00 EDT
Article-I.D.: ucbvax.8610141241.AA12605
Posted: Tue Oct 14 08:41:00 1986
Date-Received: Fri, 17-Oct-86 07:47:23 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 33

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa> (Richard C. Secrist)
Date: Tue, 14-OCT-1986 07:41 EST

To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].62E582C0.008F66A1.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

I bought a //e as an upgrade for my][many moons ago because I wanted
1) the real keyboard (i.e. "{}[]~`<DEL>", etc.), 2) pseudo-standard
80 column support, 3) future compatability , and 4) a new lease on life
(my][{upgraded to][+} is now 9 years old !).

I WANT neato graphics and from what I hear absolutely wonderful sound,
but my brain also wouldn't mind hacking a "real" processor chip that I
might be able to use professionally as well (like a 68000 or 80286 --
there's compartively not a lot of 65xxx work out there).

If the //gs or an upgrade were under $1000 (like $750 or better) there
wouldn't be a contest... I've got 700 floppies of Apple software. But
$1900 is ridiculous when I can go get a 68000 machine like an Atari 1024
or 520 (I can get the 520 for $750 locally with monochrome monitor) and
KEEP my //e and][+. The graphics are roughly equivalent to an Atari
(though probably not as fast) and the sound is probably not as spectacular,
although at least it is a standardized interface (the MIDI port).

$1900 simply doesn't cut it, and the upgrade motherboard swaps don't sound
so hot either when you've got to buy a Unidisk, mouse (already have this
though), and whatever else...

Throughly disappointed,

Richard
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From -4657970460886743468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21db99b0a1aa7e0b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 09:09:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!husc6!bu-cs!bucsb.bu.edu!ilacqua
From: ilacqua@bucsb.bu.edu.UUCP (:-)
Newsgroups: net.micro.apple
Subject: Re: Files not on Catalog
Message-ID: <546@bucsb.bu.edu.UUCP>
Date: Tue, 14-Oct-86 12:09:33 EDT
Article-I.D.: bucsb.546
Posted: Tue Oct 14 12:09:33 1986
Date-Received: Fri, 17-Oct-86 20:07:17 EDT
References: <8610100029.AA19813@ucbvax.Berkeley.EDU>
Reply-To: ilacqua@bucsb.bu.edu.UUCP (Joseph Ilacqua)
Organization: Intergalactic Security, Western Spiral Arm Division
Lines: 30

In article <8610100029.AA19813@ucbvax.Berkeley.EDU> D7314@UWAVM.BITNET writes:
>Date: Thu, 9 Oct 86 16:11 PDT
>From: Patrick Ryan <D7314@UWAVM>
>Subject: Re: Files not on Catalog
>To: Apple Mailing list <INFO-APPLE@BRL.ARPA>
>
>> Does anyone know how to find out the names of files that do not
>> show up when you type in CATALOG. I know they are on the disk.
>> How do you go about accessing them?

>This is known as a "Track Sector map" (T/S map). The T/S map tells DOS
>where your file is stored at on the disk. In this case, the T/S map is
>undoubtably stored on track 12, sector 0F (most of the time, T/S maps are
>stored on sector 0F of a track). The first sector of the file is on track
>12 0E, the next is on sector 0D, etc. Print this.
>(track 11) by searching for the end of the catalog

>Edit your catalog track (track 12) Find the appropriate sector by

     The catalog track is 11 (hex). the T/S list is on track 11
(hex) sector 00 (hex).
--
+---+
| I never make mistakes. I thought I did once, but I was wrong. |
|UUCP: ...!harvard!bu-cs!bucsb!ilacqua |
|ARPANET: ilacqua@bucsb.bu.edu |
|CSNET: ilacqua%bucsb@bu-cs   BITNET: engemnc@bostonu |
+---+

From 1402576605674464585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 10:30:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: stuff in general
Message-ID: <895@cbmvax.cbmvax.cbm.UUCP>
Date: Tue, 14-Oct-86 13:30:26 EDT
Article-I.D.: cbmvax.895
Posted: Tue Oct 14 13:30:26 1986
Date-Received: Fri, 17-Oct-86 20:04:36 EDT
References: <9800034@uiucuxa>
Organization: Commodore Technology, West Chester, PA
Lines: 26

> I don't think a 6502 has a 4-1 advantage over a Z80. A 6502 has an
> advantage because it does a full read in a cycle, unlike a Z80

> which puts the address on the bus in one cycle and reads the data
> in the next. But that's only a two to one advantage. And all the
> benchmarks I read seem to say about a 2x advantage, which is what you
> would think from my remarks.
>
>   I run a 6502 at 2Mhz in my Commodo 128. It seem to be about 20% slower
> than an IBM PC.

Its between 3x and 4x from a purely hardware point of view. When the
Z-80 fetches an op-code, it takes 3 clock cycles, all other memory or
I/O cycles take 4 of these clock ticks. The Z-80 makes up for this
disadvantage by offering better software architecture for many things;
it has multiple registers and 16 bit operations, which can allow it to
use more internally based operations, which is fewer memory accesses,
and thus achieve faster overall performance. A Z-80 limited to the same
instructions that a 6502 has would be 3x-4x slower.

--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
         "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 6719699833187067979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eff8bbeb0c1bb492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 10:39:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!drutx!druhi!des
From: des@druhi.UUCP (SalyerDE)
Newsgroups: net.micro.apple
Subject: Re: card compatibility
Message-ID: <1139@druhi.UUCP>
Date: Tue, 14-Oct-86 13:39:26 EDT
Article-I.D.: druhi.1139
Posted: Tue Oct 14 13:39:26 1986
Date-Received: Fri, 17-Oct-86 09:36:30 EDT
References: <8610102302.AA09272@ucbvax.Berkeley.EDU>
Organization: AT&T Information System Labs, Denver, Co
Lines: 40

In article <8610102302.AA09272@ucbvax.Berkeley.EDU>, LMLARS01@ULKYVX.BITNET.UUCP
writes:
>
>   There has been a lot of speculation here about what cards will and won't
> work in the GS. ....

> ... No card which uses phantom slotting will work in the GS.

Well, the phantom'ed slots won't, but what about the regular slot - A card like the Versacard is set up to have the Serial 'card' in the 'real' slot that it is plugged into, perhaps this one function will work, at least until software upgrades to work with the //gs serial port come out?

> Some old
> coprocessor cards will fail because of the increased clock speed, but it
> won't hurt anything to try one.

But - you can change the processor speed! why not do that and see if the co-processor cards will then work! (at least it is possible).

> These problems will soon be eliminated because newer and better versions
> of programs like AE Pro and Softerm][are already making the rounds.

Any word when these upgrades will be out (especially Softerm][)? Also the cost! If Softerm][has the same upgrade policy as before, ($100 - half the cost of the original) I might look elsewhere.

DISCLAIMER: I do not have an Apple //gs (yet!) and these guesses are just that - GUESSES! Does any-one have FACTS? This machine looks REAL good and I'm sure that the biggest expence for upgrade, will be trying to sell obsolete cards. Way to go APPLE!

Real Life?: Dale Salyer (Programmer)

E-Mail Address: ihnp4!druhi!des
U.S. Mail: AT&T Info. Systems Laboratories
Rm. 8Z326
Denver, CO 80229
(303) - 538-4907

From 495292775995765331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d608e451e00e168
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 11:03:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!husc6!panda!genrad!decvax!ucbvax!pro-sol.UUCP!mdavis
From: mdavis@pro-sol.UUCP
Newsgroups: net.micro.apple
Subject: Re: ProLine
Message-ID: <861014-110539-2458@Xerox>
Date: Tue, 14-Oct-86 14:03:51 EDT
Article-I.D.: Xerox.861014-110539-2458
Posted: Tue Oct 14 14:03:51 1986
Date-Received: Mon, 20-Oct-86 14:48:17 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 175

Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.x
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 08 OCT 86 15:21:50 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id a024363; 8 Oct 86 16:56 EDT
Received: from xerox.arpa by AMSAA.ARPA id a019895; 8 Oct 86 16:46 EDT
Received: from Riesling.ms by ArpaGateway.ms ; 08 OCT 86 12:56:43 PDT
Original-Date: 8 Oct 86 12:55:41 PDT (Wednesday)
Message-ID: <861008-125643-6311@Xerox>

GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV
From: Morgan Davis <crash!pnet01!pro-sol!mdavis@nosc.arpa>
To: pnet01!crash!ihnp4!convex!mcomp!p40001@nosc.arpa
Subject: Re: ProLine
Cc: info-apple@amsaa.arpa
Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.pa
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 05 OCT 86 01:24:34 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id ab06574; 5 Oct 86 3:39 EDT
Received: from nosc.arpa by AMSAA.ARPA id a027772; 5 Oct 86 3:29 EDT
Received: by bass.ARPA (5.31/4.7)   id AA27736; Sun, 5 Oct 86 00:31:53 PDT
Message-Id: <8610050731.AA27736@bass.ARPA>
Original-Date: Sat, 4 Oct 86 16:59:14 PDT
GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV

> Morgan,
>
> I just received the LLS flyer which was enclosed with the OpenApple
> newsletter.
> Can you give me some more info on the ProLine package? How does it
> interface to UUCP? Could I just find any uucp site to connect to?
> It sounds like something I'd be interested in, but I'd like to know
> a bit more about it before investing nearly $200.
> Thanks!
> Wolf
> --
> Wolf N. Paul
> UUCP: ihnp4!convex!mcomp!doulos!wnp
>   or   ihnp4!convex!mcomp!p40001

First and foremost, ProLine is probably the most complete and powerful messaging systems ever written for the Apple computer. The entire program was written with UNIX in mind. I wanted a system that at least looked and acted a lot like UNIX. So I built a shell, and from that a mailer, and from that a conference system (not that much unlike readnews). I was fortunate enough to have a unix account on one of Bill Blue's unix boxes, and so I got all of my experience there. By keeping the direction of ProLine toward that which unix provides, it made it a lot easier to implement unix-ish stuff, including node networking between ProLine sites, as well as into other gateways (such as the one that this message is going through).

ProLine in itself is unable to speak with uucp, but through a gateway program, it can. One such gateway is P-Net (crash!pnet01). It is a conferencing

system written by Bill Blue in C under Symmetrix BSD 4.2. He and I created a simple interface between our systems in order to pass mail back and forth. But if it wasn't for P-Net, there's no way that ProLine would be able to find paths into uucp/arpa-land. However, I do not consider uucp access as the one and only reason for buying ProLine...there's a heck of a lot more to this system than it's simple interface into gateways.

So, with that explained, on to the features.

ProLine was written using ModemWorks and Applesoft BASIC, and runs under ProDOS on at least 10mb of hard disk. It can support up to 256 individual accounts, and each user has his own workspace and mailbox. A workspace is nothing more than a subdirectory (/a/usr/mdavis, for example). The user is free to do anything in his area that he wants: create, edit, store, and delete files, create subdirectories, etc. Also, a special security feature allows users to pass files back and forth between user areas, for example:

```
$ cp foobar ../jdoe
```

This copies "foobar" in your area to jdoe's area. Also, xmodem protocol is supported for transferring binary and text data files.

Each user has a mailbox, designed after the uucp mailbox structure. Because of this, a mailbox's size is only limited by the amount of disk space. A mailbox can hold as many messages as well fit (with a logical limit upheld by ProDOS of 16 megabytes). The mail program, at present, will only handle 128 messages at a time, though I am planning on expanding this. The mailer supports automatic return-path generation (which was employed when I commented to your letter), variables, and interactiveness with your filespace, carbon and blind copy feature, multiple To-field recipients, etc. Just like mail. In addition, the ReMAILer will support alias distribution lists. With this, there are a few folks on my ProLine node who will be reading this message since it will come back through the networks to my info-apple alias list. The user interface of ProLine's mailer is an enhancement of the UCSD MSG System.

ProLine has a non-threaded conferencing system, which can contain up to 51 major groups, each containing any number of subtopics. With a 5mb data space, about 7,000 individual messages can be maintained. The conferencing system is self-maintaining, as it will flush old messages when new ones are added. A user can join as many group topics as he wishes, providing he has requisite access to some of the closed-to-general-public areas. Each major group has a conference moderator who is responsible for taking care of his subtopics. Message entry modes in the conference area (as well as in the mailer) are disk based, meaning messages can be very large in size -- limited only by disk space. The editor is limited to 400 lines of text, however. Word-wrap text entry is supported.

ProLine has a Data Library, consisting of many "bookshelves." Each shelf can hold any number of "titles" (files, programs, etc). Users can browse through the library and select books to check out (download) or can donate their own if they wish. Each user can download 6 files per day maximum, in order to keep system usage at a reasonable level. Each "title" includes a coresponding

card in the card catalog; a descriptive 6-line text field which gives the program's name, author, file type, size, and date donated. Each entry also is kept up to date as to how many times is has been checked out (letting you know which are popular and which aren't). The library is assigned a librarian to maintain it (which can be the system manager [or sysop] or any one else). Xmodem protocol is supported in the Data Library.

ProLine's password file (/a/etc/passwd) is structured like unix, where each entry contains:

```
login:encrypted_password:UID:GID:real name:home_area:program_to_run
```

This allows the SA to create password entries which can run any file in the system, not just the SHell.

Every account on ProLine has billing and accounting information maintained at all times. Each user is tracked by the minute, and the accounting information can report: number of times logged, total number of minutes used since account was established, total number of minutes used in the previous month, total minutes used in the current month, rate per minute, account balance, total amount due, as well as billing address and phone number. Likewise, the system will keep a running history of itself with the same information (it's fun to see that in 12 months, the system has been in use by callers for 600,000 minutes!). Any user can check his account statistics at any time.

While idle (waiting for a call), ProLine keeps track of timed tasks (/a/etc/crontab), to see if it is time to poll other sites, run system maintenance programs such as archiving the log files, removing inactive accounts, etc. This makes the system practically self-maintaining. The system manager of ProLine can make changes to the crontab task file and set up tasks to run at any given time points, from minute-to-minute, to days and months in advance.

ProLine's shell supports variables, character escaping, multiple commands per line, executable script files, conditional logic, many built-in management commands (cp, mv, pwd, cd, to name a few) and will run any programs in /a/bin, such as grep, stty, ls, rmuser, rmdir, etc, etc etc etc... it's pretty damned unix-like. Each user can tailor his own custom "profile" script.

All told, ProLine's help facilities total near 100K of helpful text files. So if all of this sounded like it goes beyond the scope of your normal BBS junkie, there is quite a bit of tutorial information online. More than a few folks have used ProLine to learn how to use *real* UNIX systems, without even knowing they were, in a sense, studying!

This very compact and condensed description of ProLine is far from detailed. I have only touched on some of the points of the program. It has been under development for over a year, and is still being worked on. It should be ready for release to serious sites by January, 1987 (I've written most of the code, now all I have to do is document UNIX, essentially. Sigh...). I will post an official announcement to the net when it's ready.

ProLine will run on any Apple computer (which can run ProDOS, that is). I

recommend the Apple IIe, though my site has been running off of an old
Apple II+ for over a year. A ProDOS-compatible clock card, 10mb hard disk
(like the Sider and equiv.), one floppy drive or UniDisk 3.5 (for backups and
installation), and a modem are the other requirements. Because of ModemWorks,
any truly Hayes-compatible external modem or Apple-Cat II internal modem will
work just fine. Baud rates up to 2400 bps are supported.

My site runs all day long, and currently has a 300/1200 bps modem attached.
Feel free to call and check it out personally if you wish. Login as guest.
The number is 619/281-7222 (San Diego, California, USA). I think you will
find it very difficult to believe that it all runs under BASIC, because
it is quite fast and responsive.

--Morgan W. Davis

UUCP: [akgua, hplabs!hp-sdd, sdcsvax, noscvax] !crash!pnet01!pro-sol!mdavis
ARPA: crash!pnet01!pro-sol!mdavis@nosc

From 861583210810550057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7f893ee0b4b8734
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 12:57:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!mit-eddie!genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: //GS addressing and add on memory?
Message-ID: <2136@ecsvax.UUCP>
Date: Tue, 14-Oct-86 15:57:54 EDT
Article-I.D.: ecsvax.2136
Posted: Tue Oct 14 15:57:54 1986
Date-Received: Mon, 20-Oct-86 23:19:33 EDT
References: <8610111432.AA01300@ai.wisc.edu> <548@sdcc18.ucsd.EDU>
Organization: UNC Educational Computing Service
Lines: 28

> In article <8610111432.AA01300@ai.wisc.edu> neves@AI.WISC.EDU ("David M. Neves")
writes:
> >I have heard that the //GS has a 16 meg address space but also that it
> >breaks memory up in 64K chunks. What I want to know is can I define
> >big arrays (~ 1 megabyte) in C or Pascal or will I be restricted to
> >arrays of size 64K (as you often see in IBM languages)?
>
> The 65816 sees memory as 64K banks selected by two 8-bit registers.
> (A completely specified address is 8+16=24 bits long.)
> Though the Memory Manager in the //gs has no trouble dealing with
> chunks of memory larger than 64K, compilers may nevertheless hold
> program variables to that limit. 64K is the largest array index the
> chip conveniently supports. (The X and Y registers are 16 bits
> long.)
>

> Grobbins.

True, but it is entirely possible to build data structures larger than
64K in much the same way structures larger than 256 bytes are built
with 8 bit registers. Hopefully the compiler designers won't be to lazy
and will do this. The 65816 can do other things too because it has the
capability to do absolute jumps to a 24 bit address from any bank in
memory to any other address in memory. Multimegabyte data structures
should be completely possible, but will be slower because of the need
to use two registers to access it and increment the data bank register.

Rick Fincher

ranger@ecsvax.

From -1480446900329154617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2230b7d67400bc5b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 13:15:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!rutgers!lll-crg!seismo!mcvax!nikhefk!keeshu
From: keeshu@nikhefk.uucp (Kees Huyser)
Newsgroups: net.micro.apple
Subject: InfoApple mailing list request
Message-ID: <40@nikhefk.UUCP>
Date: Tue, 14-Oct-86 16:15:18 EDT
Article-I.D.: nikhefk.40
Posted: Tue Oct 14 16:15:18 1986
Date-Received: Mon, 20-Oct-86 22:40:28 EDT
References: <8610090359.AA00529@ucbvax.Berkeley.EDU> <175@cod.UUCP>
Reply-To: keeshu@nikhefk.uucp (Kees Huyser)
Organization: Nikhef-K CSG
Lines: 5
Apparently-To: rnews@mcvax

Please add me to the Info Apple mailing list

-- Kees

              keeshu@nikhefk.uucp

From 4739244038163662117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,969d10dc0df1784f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 20:08:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!sri-spam!nike!ucbcad!ucbvax!UNO.BITNET!
SJDMK
From: SJDMK@UNO.BITNET

Newsgroups: net.micro.apple
Subject: COBOL for Apple...
Message-ID: <8610150308.AA25862@ucbvax.Berkeley.EDU>
Date: Tue, 14-Oct-86 23:08:21 EDT
Article-I.D.: ucbvax.8610150308.AA25862
Posted: Tue Oct 14 23:08:21 1986
Date-Received: Mon, 20-Oct-86 22:55:45 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 14

I'm a new member to this conference so forgive me if this topic has
been discussed...

Does anyone know anything about ANY COL compilers for Apple
computers? I'm using a //c if it matters.

I've been looking for about a month and have found none.

ANY help would be greatly appreciated.

Thanks...

Steven J. Dawson
SJDMK@UNO.BITNET

From 8497349059632390425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8fb49b4bf88515,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-14 22:48:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!AI.WISC.EDU!neves
From: neves@AI.WISC.EDU ("David M. Neves")
Newsgroups: net.micro.apple
Subject: //GS emulation cards
Message-ID: <8610150548.AA22311@ai.wisc.edu>
Date: Wed, 15-Oct-86 01:48:09 EDT
Article-I.D.: ai.8610150548.AA22311
Posted: Wed Oct 15 01:48:09 1986
Date-Received: Mon, 20-Oct-86 23:24:00 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

A friend told me today that he read a couple of articles that mentioned
that Apple was coming out with a Mac card and with an IBM PC card for
the //GS sometime in the next few months (before February). Anyone
else see this or know more? I believe he read it in Electronic
Times.

From -8705227784569995812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,e2dc0a73b5623642
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,d8c4a3986f4c4afa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 05:47:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ll-xn!mit-amt!mit-eddie!
genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.cpm,net.micro.apple
Subject: Re: Query: Z-system availability on Kache Systems' HD64180 board
Message-ID: <2137@ecsvax.UUCP>
Date: Wed, 15-Oct-86 08:47:02 EDT
Article-I.D.: ecsvax.2137
Posted: Wed Oct 15 08:47:02 1986
Date-Received: Thu, 16-Oct-86 22:07:50 EDT
References: <4548@brl-smoke.ARPA> <1031@ius2.cs.cmu.edu>
Organization: UNC Educational Computing Service
Lines: 11
Xref: mnetor net.micro.cpm:2476 net.micro.apple:1529

> Seems like it would be well-matched to the //GS, if multitasking under the
> Z-system will really be supported. (Apple doesn't seem anxious to support
> it on any of their machines.)
> --
>   - Ralph W. Hyre, Jr.
>

What is the Z-System? Can you give us more details? Thanks.

Rick Fincher
ranger@ecsvax

From 40984558531345372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e55da7c455121775,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 07:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!ULKYVX.BITNET!LMLARS01
From: LMLARS01@ULKYVX.BITNET
Newsgroups: net.micro.apple
Subject: Easy Program Access
Message-ID: <8610151639.AA08272@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 10:51:00 EDT
Article-I.D.: ucbvax.8610151639.AA08272
Posted: Wed Oct 15 10:51:00 1986
Date-Received: Wed, 15-Oct-86 20:46:08 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville

Lines: 17

A recent message was asking about getting easy program access (i.e., floppyless...) for non-copy protected programs like Appleworks and Dollars & Sense. He was thinking about a battery backed memory card.

There are some alternatives. One is to get a Quikloader card. This is a ROM card which goes into the orphan slot 3 of a //e and can be set up to have many progams burnt into ROM. These can be either DOS 3.3 or ProDOS and are no further away at any time than OA+^Q. They come up instantly. It's kind of like having DOS or ProDOS in the machine when you first turn it on.

Another method is to get a 3.5" drive and a good program selector like ProSel by Glen Bredon. (This is what I do.) I have all my commonly used programs on one utility disk (Appleworks, Applewriter, Disk Muncher, Copy][+, ASCII Express, EDASM, Merlin, Sourceror, and more...) To select one all I have to do is put the disk in, wait 20 seconds for the menu to come up, and move the cursor to the one I want.

From -4589306129785134455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e55da7c455121775
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 07:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!ULKYVX.BITNET!LMLARS01
From: LMLARS01@ULKYVX.BITNET
Newsgroups: net.micro.apple
Subject: Easy Program Access
Message-ID: <8610181515.AA00318@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 10:51:00 EDT
Article-I.D.: ucbvax.8610181515.AA00318
Posted: Wed Oct 15 10:51:00 1986
Date-Received: Tue, 21-Oct-86 05:39:34 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 20

Account RRS2F@UOTTAWA.bitnet no longer exists.

----------Original message----------
A recent message was asking about getting easy program access (i.e., floppyless...) for non-copy protected programs like Appleworks and Dollars & Sense. He was thinking about a battery backed memory card.

There are some alternatives. One is to get a Quikloader card. This is a ROM card which goes into the orphan slot 3 of a //e and can be set up to have many progams burnt into ROM. These can be either DOS 3.3 or ProDOS and are no further away at any time than OA+^Q. They come up instantly. It's kind of like having DOS or ProDOS in the machine when you first turn it on.

Another method is to get a 3.5" drive and a good program selector like ProSel by Glen Bredon. (This is what I do.) I have all my commonly used programs on one utility disk (Appleworks, Applewriter, Disk Muncher, Copy][+, ASCII Express, EDASM, Merlin, Sourceror, and more...) To select one all I have to do is put the disk in, wait 20 seconds for the menu to come up, and move the cursor to the one I want.

From -2717984897883456701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21db99b0a1aa7e0b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 08:44:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: Files not on Catalog
Message-ID: <8610151306.AA20921@decwrl.dec.com>
Date: Wed, 15-Oct-86 11:44:00 EDT
Article-I.D.: decwrl.8610151306.AA20921
Posted: Wed Oct 15 11:44:00 1986
Date-Received: Wed, 15-Oct-86 20:45:00 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 46

> The catalog track is 11 (hex). the T/S list is on track 11
> (hex) sector 00 (hex).
> --
> +---+
> | I never make mistakes. I thought I did once, but I was wrong. |
> |UUCP: ...!harvard!bu-cs!bucsb!ilacqua |
> |ARPANET: ilacqua@bucsb.bu.edu |
> |CSNET: ilacqua%bucsb@bu-cs BITNET: engemnc@bostonu |
> +---+

Oops, you've just made your first mistake. The correct names and locations for the components of the Apple DOS cataloguing system are these:

CATALOG: Occupies track 11-hex/17-decimal, except sector 0. Begins at sector F-hex/15-decimal. Capable of recording 105 files, 7 in each sector. Each non-empty sector contains a pointer to the next, with the last pointer being zeroes. Successive sectors are each one less, numerically, so that the first is at T11-SF, the second is at T11-SE, and so on.

VTOC: (Volume Table Of Contents) Occupies track 11-hex/17-decimal, sector 0. Records DOS version, allocation direction, disk size. Keeps track of used sectors via a bit map.

T/S List: (Track/Sector List) Occupies the first sector of each file.

Lists the locations of successive data sectors of that file.
If a file exceeds a certain size, it may contain more than one
T/S list; the second will be in the middle of the file, after
the data sectors listed in the first T/S list.

The standard method of allocation on a fresh disk is to start at track 12-hex/18-decimal, sector F-hex/15-decimal, and allocate inward toward higher track numbers until the end of the disk is reached, and then to begin outward allocation at track 10-hex/16-decimal. The idea is that the catalog information will be at the center of the seek range, thereby minimizing the overall amount of seeking needed to refer to it.

To retrieve "hidden" files, you really must have a disk editing utility. The one I use is part of the ANIX package.

Cheers,
Dick Binder (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From 6602467844027269836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1240466109a29f4d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 09:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: T.H.E. modems
Message-ID: <8610151803.AA09833@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 12:40:00 EDT
Article-I.D.: ucbvax.8610151803.AA09833
Posted: Wed Oct 15 12:40:00 1986
Date-Received: Wed, 15-Oct-86 21:51:53 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 12

Date: Wed, 15 Oct 86 09:36 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: T.H.E. modems
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

I can get a T.H.E. modem from a discount club I belong to (mail order, of course) for an incredibly low price. This is a 1200 baud modem with no software or cables. Has anyone out there in netland ever bought/heard of this brand? Any comments appreciated (either to me or to the net).

Patrick Ryan

D7314@UWAVM.BITNET

From -5991374958716689380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1240466109a29f4d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 09:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: T.H.E. modems
Message-ID: <8610181521.AA00372@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 12:40:00 EDT
Article-I.D.: ucbvax.8610181521.AA00372
Posted: Wed Oct 15 12:40:00 1986
Date-Received: Tue, 21-Oct-86 05:39:55 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 15

Account RRS2F@UOTTAWA.bitnet no longer exists.

----------Original message----------
Date: Wed, 15 Oct 86 09:36 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: T.H.E. modems
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

I can get a T.H.E. modem from a discount club I belong to (mail order, of course) for an incredibly low price. This is a 1200 baud modem with no software or cables. Has anyone out there in netland ever bought/heard of this brand? Any comments appreciated (either to me or to the net).

Patrick Ryan
D7314@UWAVM.BITNET

From 5699280544356243220
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8fb49b4bf88515
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 10:12:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!
sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: //GS emulation cards
Message-ID: <550@sdcc18.ucsd.EDU>
Date: Wed, 15-Oct-86 13:12:19 EDT
Article-I.D.: sdcc18.550

Posted: Wed Oct 15 13:12:19 1986
Date-Received: Thu, 16-Oct-86 18:54:06 EDT
References: <8610150548.AA22311@ai.wisc.edu>
Sender: news@sdcc18.ucsd.EDU
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 18

In article <8610150548.AA22311@ai.wisc.edu> neves@AI.WISC.EDU ("David M. Neves") writes:
>A friend told me today that he read a couple of articles that mentioned
>that Apple was coming out with a Mac card and with an IBM PC card for
>the //GS sometime in the next few months (before February). Anyone
>else see this or know more? I believe he read it in Electronic
>Times.

Doesn't seem likely. Apple's earlier attempt at a more powerful
Apple II, the Apple IIx, was designed to support coprocessors
(primarily the 68000.) But the //gs doesn't have a slot intended
for coprocessors. Apple has a big enough job on its hands trying to
fix the serious problems in the //gs & bring out the promised
supporting system components (such as Pascal and a real ProDOS based
on the '816.) Apple is committed to the '816 for the II series,
and they'll probably want to boost its use to the best of their
ability.

grobbins.

From 2316292093130657552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24b2f78c948505f9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 10:27:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!
sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: buying the //gs
Message-ID: <551@sdcc18.ucsd.EDU>
Date: Wed, 15-Oct-86 13:27:08 EDT
Article-I.D.: sdcc18.551
Posted: Wed Oct 15 13:27:08 1986
Date-Received: Thu, 16-Oct-86 18:54:30 EDT
References: <316@husc6.HARVARD.EDU> <2110@ecsvax.UUCP> <546@sdcc18.ucsd.EDU>
<2124@ecsvax.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 30

In article <2124@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:

>Although the processor is new, it is not that different from the 6502
>in terms of writing assembler, the same ole stuff plus some new, nice
>features. The new features are where the power is but it still is not
>like learning a new uP from the ground up.
>
>I expect new stuff will start to come out quickly, six months to a year
>rather than a year to 18 months (as with a new Machine like the Mac or
>Amiga) because there are a lot of 6502 programmers out there and they
>smell money out there in programming for this new machine.

Perhaps this isn't the place for opinions about the chip, but nice
new features? Gack. Programmers of the 6502 contented themselves
with the knowledge that, while they were programming an old chip, it
was a good representative of the 8-bit generation, and there was an
enormous installed base. The 65816 would be an embarrassment if
compared with other "late 16-bit generation" processors. It lacks
the instruction extensions the 6502 really needs; it mainly just
adds what's necessary to support the 24-bit addressing, and widens
the registers to 16 bits. Will programmers really like switching
from the simple 6502 to a version with banked memory?

I'll grant that it's somewhat better the using the old chip, but the
only reason that Apple or anyone else would really touch the thing,
I suspect, is compatibility and what Ranger aptly called
the smell of money.

Grobbins.
"Most people never mature; they just grow taller."
- Leo Rosten

From 2599192268014341575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7863e75443e8fb4f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 12:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!HI-MULTICS.ARPA!Boebert
From: Boebert@HI-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject:][+ w/munged memory
Message-ID: <861015190558.956605@HI-MULTICS.ARPA>
Date: Wed, 15-Oct-86 15:05:00 EDT
Article-I.D.: HI-MULTI.861015190558.956605
Posted: Wed Oct 15 15:05:00 1986
Date-Received: Wed, 15-Oct-86 21:53:10 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 21

My][+ has the following hard memory failure: at locations 8000 and
above, the monitor commands

*8000: 00 00 00 00 00

*8000.8004

results in a display of

40 40 40 40 40

and similarly for other entered values (i.e., 01 -> 41, etc.). This failure was traced from its original symptom, failure to boot (obviously owing to the relocation failures at high memory). Failure occurs with all slots empty; the machine also has a new power supply. So, for all you][+ hardware wizards out there: what chips do I replace to fix this?

Thanks,

Earl (Boebert @ HI-Multics)

From 4605262958020795008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d608e451e00e168
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 13:17:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ucbcad!ucbvax!pro-sol.UUCP!mdavis
From: mdavis@pro-sol.UUCP
Newsgroups: net.micro.apple
Subject: Re: ProLine
Message-ID: <861015-131757-3835@Xerox>
Date: Wed, 15-Oct-86 16:17:06 EDT
Article-I.D.: Xerox.861015-131757-3835
Posted: Wed Oct 15 16:17:06 1986
Date-Received: Wed, 15-Oct-86 23:57:14 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 184

Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.x
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 14 OCT 86 13:40:44 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id a007444; 14 Oct 86 14:44 EDT
Received: from xerox.arpa by AMSAA.ARPA id a013866; 14 Oct 86 14:38 EDT
Received: from Riesling.ms by ArpaGateway.ms ; 14 OCT 86 11:05:39 PDT
Original-Date: 14 Oct 86 11:03:51 PDT (Tuesday)
Message-ID: <861014-110539-2458@Xerox>

Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.x
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 08 OCT 86 15:21:50 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id a024363; 8 Oct 86 16:56 EDT

Received: from xerox.arpa by AMSAA.ARPA id a019895; 8 Oct 86 16:46 EDT
Received: from Riesling.ms by ArpaGateway.ms ; 08 OCT 86 12:56:43 PDT
Original-Date: 8 Oct 86 12:55:41 PDT (Wednesday)
Message-ID: <861008-125643-6311@Xerox>

GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV
From: Morgan Davis <crash!pnet01!pro-sol!mdavis@nosc.arpa>
To: pnet01!crash!ihnp4!convex!mcomp!p40001@nosc.arpa
Subject: Re: ProLine
Cc: info-apple@amsaa.arpa
Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.pa
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 05 OCT 86 01:24:34 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id ab06574; 5 Oct 86 3:39 EDT
Received: from nosc.arpa by AMSAA.ARPA id a027772; 5 Oct 86 3:29 EDT
Received: by bass.ARPA (5.31/4.7)   id AA27736; Sun, 5 Oct 86 00:31:53 PDT
Message-Id: <8610050731.AA27736@bass.ARPA>
Original-Date: Sat, 4 Oct 86 16:59:14 PDT
GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV

> Morgan,
>
> I just received the LLS flyer which was enclosed with the OpenApple
> newsletter.
> Can you give me some more info on the ProLine package? How does it
> interface to UUCP? Could I just find any uucp site to connect to?
> It sounds like something I'd be interested in, but I'd like to know
> a bit more about it before investing nearly $200.
> Thanks!
> Wolf
> --
> Wolf N. Paul
> UUCP: ihnp4!convex!mcomp!doulos!wnp
>   or   ihnp4!convex!mcomp!p40001

First and foremost, ProLine is probably the most complete and powerful messaging systems ever written for the Apple computer. The entire program was written with UNIX in mind. I wanted a system that at least looked and acted a lot like UNIX. So I built a shell, and from that a mailer, and from that a conference system (not that much unlike readnews). I was fortunate enough to have a unix account on one of Bill Blue's unix boxes, and so I got all of my experience there. By keeping the direction of ProLine toward that which unix provides, it made it a lot easier to implement unix-ish stuff, including node networking between ProLine sites, as well as into other gateways (such as the one that this message is going through).

ProLine in itself is unable to speak with uucp, but through a gateway program, it can. One such gateway is P-Net (crash!pnet01). It is a conferencing system written by Bill Blue in C under Symmetrix BSD 4.2. He and I created a simple interface between our systems in order to pass mail back and forth. But if it wasn't for P-Net, there's no way that ProLine would be able to find paths into uucp/arpa-land. However, I do not consider uucp access as the one and only reason for buying ProLine...there's a heck of a lot more to this

system than it's simple interface into gateways.

So, with that explained, on to the features.

ProLine was written using ModemWorks and Applesoft BASIC, and runs under ProDOS on at least 10mb of hard disk. It can support up to 256 individual accounts, and each user has his own workspace and mailbox. A workspace is nothing more than a subdirectory (/a/usr/mdavis, for example). The user is free to do anything in his area that he wants: create, edit, store, and delete files, create subdirectories, etc. Also, a special security feature allows users to pass files back and forth between user areas, for example:

```
$ cp foobar ../jdoe
```

This copies "foobar" in your area to jdoe's area. Also, xmodem protocol is supported for transferring binary and text data files.

Each user has a mailbox, designed after the uucp mailbox structure. Because of this, a mailbox's size is only limited by the amount of disk space. A mailbox can hold as many messages as well fit (with a logical limit upheld by ProDOS of 16 megabytes). The mail program, at present, will only handle 128 messages at a time, though I am planning on expanding this. The mailer supports automatic return-path generation (which was employed when I commented to your letter), variables, and interactiveness with your filespace, carbon and blind copy feature, multiple To-field recipients, etc. Just like mail. In addition, the ReMAILer will support alias distribution lists. With this, there are a few folks on my ProLine node who will be reading this message since it will come back through the networks to my info-apple alias list. The user interface of ProLine's mailer is an enhancement of the UCSD MSG System.

ProLine has a non-threaded conferencing system, which can contain up to 51 major groups, each containing any number of subtopics. With a 5mb data space, about 7,000 individual messages can be maintained. The conferencing system is self-maintaining, as it will flush old messages when new ones are added. A user can join as many group topics as he wishes, providing he has requisite access to some of the closed-to-general-public areas. Each major group has a conference moderator who is responsible for taking care of his subtopics. Message entry modes in the conference area (as well as in the mailer) are disk based, meaning messages can be very large in size -- limited only by disk space. The editor is limited to 400 lines of text, however. Word-wrap text entry is supported.

ProLine has a Data Library, consisting of many "bookshelves." Each shelf can hold any number of "titles" (files, programs, etc). Users can browse through the library and select books to check out (download) or can donate their own if they wish. Each user can download 6 files per day maximum, in order to keep system usage at a reasonable level. Each "title" includes a coresponding card in the card catalog; a descriptive 6-line text field which gives the program's name, author, file type, size, and date donated. Each entry also is kept up to date as to how many times is has been checked out (letting you know which are popular and which aren't). The library is assigned a librarian to maintain it (which can be the system manager [or sysop] or any one else).

Xmodem protocol is supported in the Data Library.

ProLine's password file (/a/etc/passwd) is structured like unix, where each entry contains:

```
login:encrypted_password:UID:GID:real name:home_area:program_to_run
```

This allows the SA to create password entries which can run any file in the system, not just the SHell.

Every account on ProLine has billing and accounting information maintained at all times. Each user is tracked by the minute, and the accounting information can report: number of times logged, total number of minutes used since account was established, total number of minutes used in the previous month, total minutes used in the current month, rate per minute, account balance, total amount due, as well as billing address and phone number. Likewise, the system will keep a running history of itself with the same information (it's fun to see that in 12 months, the system has been in use by callers for 600,000 minutes!). Any user can check his account statistics at any time.

While idle (waiting for a call), ProLine keeps track of timed tasks (/a/etc/crontab), to see if it is time to poll other sites, run system maintenance programs such as archiving the log files, removing inactive accounts, etc. This makes the system practically self-maintaining. The system manager of ProLine can make changes to the crontab task file and set up tasks to run at any given time points, from minute-to-minute, to days and months in advance.

ProLine's shell supports variables, character escaping, multiple commands per line, executable script files, conditional logic, many built-in management commands (cp, mv, pwd, cd, to name a few) and will run any programs in /a/bin, such as grep, stty, ls, rmuser, rmdir, etc, etc etc etc... it's pretty damned unix-like. Each user can tailor his own custom "profile" script.

All told, ProLine's help facilities total near 100K of helpful text files. So if all of this sounded like it goes beyond the scope of your normal BBS junkie, there is quite a bit of tutorial information online. More than a few folks have used ProLine to learn how to use *real* UNIX systems, without even knowing they were, in a sense, studying!

This very compact and condensed description of ProLine is far from detailed. I have only touched on some of the points of the program. It has been under development for over a year, and is still being worked on. It should be ready for release to serious sites by January, 1987 (I've written most of the code, now all I have to do is document UNIX, essentially. Sigh...). I will post an official announcement to the net when it's ready.

ProLine will run on any Apple computer (which can run ProDOS, that is). I recommend the Apple IIe, though my site has been running off of an old Apple II+ for over a year. A ProDOS-compatible clock card, 10mb hard disk (like the Sider and equiv.), one floppy drive or UniDisk 3.5 (for backups and installation), and a modem are the other requirements. Because of ModemWorks, any truly Hayes-compatible external modem or Apple-Cat II internal modem will

work just fine. Baud rates up to 2400 bps are supported.

My site runs all day long, and currently has a 300/1200 bps modem attached.
Feel free to call and check it out personally if you wish. Login as guest.
The number is 619/281-7222 (San Diego, California, USA). I think you will
find it very difficult to believe that it all runs under BASIC, because
it is quite fast and responsive.

--Morgan W. Davis

UUCP: [akgua, hplabs!hp-sdd, sdcsvax, noscvax] !crash!pnet01!pro-sol!mdavis
ARPA: crash!pnet01!pro-sol!mdavis@nosc

From -1089786743490945669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,80ab95fdae5cd23e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 14:03:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!BRILLIG.UMD.EDU!don
From: don@BRILLIG.UMD.EDU (Don Hopkins)
Newsgroups: net.micro.apple
Subject: What to do with the old][?
Message-ID: <8610152103.AA12445@brillig.umd.edu>
Date: Wed, 15-Oct-86 17:03:19 EDT
Article-I.D.: brillig.8610152103.AA12445
Posted: Wed Oct 15 17:03:19 1986
Date-Received: Wed, 15-Oct-86 21:55:32 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 20

I've had a][+ for a long time, the guts of which I transplanted to a
wooden box that holds everything but the keyboard, monitor, and hard
disk. Now that much bigger machines are sucking up most of my
attention, I mainly use it as a terminal. I've got an 80 column card
that would not be useful for a //e or a //gs, and a full ASCII
keyboard, so it does a good job at terminaling. I've put an enormous
ammount of time into the machine, and it still performs useful
functions very well. I don't want to 'upgrade' by trading in. If I got
a //gs, I would want to keep the][+. I can do dangerous hardware
experiments on the][+, because I'm sure the //gs will do wonderful
things to the used][+ motherboard market from the motherboard
consumer's point of view. There will also be lots of dirt cheap 80
column, serial, and other cards the //gs obsoletes, but which are
still useful on a][+. I will be able to test that software I write for
the //e or gs runs on the][+. (This is NOT something you can do by
just following the rules in the manuals...). There still are, and will
continue to be, a lot of][+'s out there. But the time to stock up on
used hardware is now. Onward to the hamfests!

     -Don

From -5038506147767018693
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,301f2fdc29bbecac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 14:13:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ucbcad!ucbvax!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com (Joe Crap)
Newsgroups: net.micro.apple
Subject: //GS Upgrade
Message-ID: <5969@decwrl.DEC.COM>
Date: Wed, 15-Oct-86 17:13:09 EDT
Article-I.D.: decwrl.5969
Posted: Wed Oct 15 17:13:09 1986
Date-Received: Thu, 16-Oct-86 02:22:30 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 19

    Bad recipient name syntax or no such user
Date: Wednesday, 15 Oct 1986 05:13:23-PDT

------- Returned Message

Date: Wednesday, 15 Oct 1986 05:11:13-PDT
From: rhea::tipple::craparotta (Joe Crap)
To: decwrl::Net.micro.apple
Subject: To upgrade or not??

One of the most important questions is how much $$$ u have in software.
Most of your periph's will be compatible so..... I for one am on the list
for a //GS.. Gotta go with the new stuff...The graphics which I'm more
into is much better and the sound is great... WHY NOT....

Joe

------- End of Returned Message

From -7577388153938607097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b6d0cde1f5f21be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 15:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!yale!husc6!rutgers!lll-crg!nike!ucbcad!ucbvax!
UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple

Subject: Re: Re: Disk
Message-ID: <8610152258.AA02682@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 18:17:00 EDT
Article-I.D.: ucbvax.8610152258.AA02682
Posted: Wed Oct 15 18:17:00 1986
Date-Received: Thu, 16-Oct-86 02:12:45 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 12

Date: Wed, 15 Oct 86 15:16 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: Re: Re: Disk
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

... unless its not DOS 3.3 ...

Patrick Ryan

:-)

From -1885526929159666275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b6d0cde1f5f21be
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 15:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: Re: Re: Disk
Message-ID: <8610181555.AA00621@ucbvax.Berkeley.EDU>
Date: Wed, 15-Oct-86 18:17:00 EDT
Article-I.D.: ucbvax.8610181555.AA00621
Posted: Wed Oct 15 18:17:00 1986
Date-Received: Tue, 21-Oct-86 05:40:25 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 16

Account RRS2F@UOTTAWA.bitnet no longer exists.

----------Original message----------
Date: Wed, 15 Oct 86 15:16 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: Re: Re: Disk
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

.... unless its not DOS 3.3 ...
... unless its not DOS 3.3 ...

Patrick Ryan

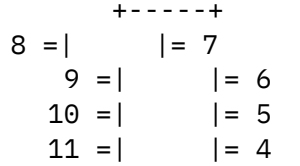
:-)

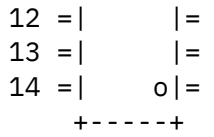
From 7953201302656899403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f113301203bb46f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-15 18:13:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re:][+ w/munged memory
Message-ID: <8610152235.AA02391@decwrl.dec.com>
Date: Wed, 15-Oct-86 21:13:00 EDT
Article-I.D.: decwrl.8610152235.AA02391
Posted: Wed Oct 15 21:13:00 1986
Date-Received: Thu, 16-Oct-86 00:05:45 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 52

Boebert@hi-multics.arpa writes:

> My][+ has the following hard memory failure: at locations 8000 and
> above, the monitor commands
>
> *8000: 00 00 00 00 00
>
> *8000.8004
>
> results in a display of
>
> 40 40 40 40 40
>
> and similarly for other entered values (i.e., 01 -> 41, etc.).

The failing chip may be one of three. Take the cover off your Apple and look at the RAM area, which is enclosed in a big white box toward the left side of the motherboard. At the left end, in IC locations C1, D1, and E1, are three 14-pin configuration jumper blocks. Pin 1 is at the lower right corner, and the pin layout is like this:





Look at pin 8 of any one of these jumper blocks (they should all be the same), and see what other pin it's connected to. If pin 8 is connected to pin 14, then the failing chip is in location C9. If 8 is connected to 13, the failure is at D9. If 8 is connected to 12, the failure is at E9.

(I've assumed you have 48K. If not, then you have 36K, and you should look at pin 7 instead of 8 in the preceding description.)

Before assuming that you have a bad chip, try reseating the chip in its socket in case the problem is merely poor contact. If that fails, try swapping the suspected chip with the one to its immediate right (C10, D10, or E10) and see if the monitor reports that $00 has become $80. If so, you have a bad chip.

*** Do all this reseating and chip swapping with power OFF! ***

Cheers,
Dick Binder (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From -5577916706207362060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7f893ee0b4b8734
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 01:35:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!convex!megamax!eric
From: eric@megamax
Newsgroups: net.micro.apple
Subject: Re: //GS addressing and add on memory?
Message-ID: <2900001@megamax>
Date: Thu, 16-Oct-86 04:35:00 EDT
Article-I.D.: megamax.2900001
Posted: Thu Oct 16 04:35:00 1986
Date-Received: Tue, 21-Oct-86 08:33:53 EDT
References: <8610111432.AA01300@ai.wisc.edu>
Lines: 14
Nf-ID: #R:<8610111432.AA01300@ai.wisc.edu>:-32:megamax:2900001:000:272
Nf-From: megamax!eric Oct 16 03:35:00 1986

With APW C, an index expression which evaluates to a long will cause
full 24 bit addressing to be used. For example:

```
     int big_table[100000][2];
     long i;
    ...
    big_table[i][0] = 49;
```

Will work. It wouldn't work if i were an int.

Eric Parker
Megamax Inc.

From 5307760810525584205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cd622971ee77c77,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 06:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: RE: IIGS emulation cards
Message-ID: <8610161420.AA15953@ucbvax.Berkeley.EDU>
Date: Thu, 16-Oct-86 09:20:00 EDT
Article-I.D.: ucbvax.8610161420.AA15953
Posted: Thu Oct 16 09:20:00 1986
Date-Received: Thu, 16-Oct-86 22:44:26 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

Expect to see Applied Engineering bring out an MS-DOS card which
will basically "give you an MS-DOS compatible (clone) machine".
They expect to have it out within a few months at a very reasonable
cost, and it is expected to run all the software that works
on other compatibles (Zenith, Compaq, etc)

Mark

From -1059313656879402013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7863e75443e8fb4f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 07:22:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!princeton!allegra!ulysses!bellcore!
petrus!magic!joevax!sdh
From: sdh@joevax.UUCP (The Doctor)
Newsgroups: net.micro.apple
Subject: Re:][+ w/munged memory
Message-ID: <320@joevax.UUCP>
Date: Thu, 16-Oct-86 10:22:44 EDT
Article-I.D.: joevax.320

Posted: Thu Oct 16 10:22:44 1986
Date-Received: Fri, 17-Oct-86 03:16:47 EDT
References: <861015190558.956605@HI-MULTICS.ARPA>
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 39

> My][+ has the following hard memory failure: at locations 8000 and
> above, the monitor commands
>
> *8000: 00 00 00 00 00
>
> *8000.8004
>
> results in a display of
>
> 40 40 40 40 40
>

This means that the seventh bit is being set all the time. One of your ram chips is bad. Here's one way to fix the problem: run a ram test on it. If your local Apple dealer wants to keep you as a customer, they should be more than willing to give you a copy of the apple approved ram test program, or borrow an Integer Basic firmare card, since it contains a ram test on board. Either should tell you which 4116 is bad. Your other alternative: go to Radio Shack and buy 1 4116 ram chip. Locate the bank of 4116's on the motherboard. The row closest to the slots will contain the last 16k of ram --that's where your problem is. I don't know which of the chips is the bad one, but just use the process of elimination to find the bad chip. Most likely, it will be either the 2nd from the left or the 2nd from the right in that row. NOTE: always make sure the power is off before you swap chips, and beware of static elctricity. You may want to spread aluminium foil on the table under your apple, as that will help deter static charges.

A side note, there are times when a bad ram chip will work just fine when swapped with another chip. I've done this before: found a bad chip, and swapped it with its neighbor, and removed the problem, but for piece of mind, you should use a new chip as the replacement.

The reaseon why you can't boot your disk is that DOS is loaded in the last 16k of ram. Since your ram failure is there, every byte of dos is getting OR'ed with $40, thus making DOS invalid.

Steve Hawley
joevax!sdh

From -4782907824091686393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed08f92fa362d8b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 08:11:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ll-xn!adelie!axiom!linus!
philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: //gs cost considered deciding factor
Message-ID: <2143@ecsvax.UUCP>
Date: Thu, 16-Oct-86 11:11:41 EDT
Article-I.D.: ecsvax.2143
Posted: Thu Oct 16 11:11:41 1986
Date-Received: Sat, 18-Oct-86 23:11:15 EDT
References: <8610141241.AA12605@ucbvax.Berkeley.EDU>
Organization: UNC Educational Computing Service
Lines: 44

> From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
> Date: Tue, 14-OCT-1986 07:41 EST
> To: INFO-APPLE@BRL.ARPA
> Message-ID: <[OAK.SAINET.MFENET].62E582C0.008F66A1.SECRIST>
> Header-Disclaimer: I don't like my headers either !
> X-VMS-Mail-To: APPLE
>
> I bought a //e as an upgrade for my][many moons ago because I wanted
> 1) the real keyboard (i.e. "{}[]~`<DEL>", etc.), 2) pseudo-standard
> 80 column support, 3) future compatability , and 4) a new lease on life
> (my][{upgraded to][+} is now 9 years old !).
>
> I WANT neato graphics and from what I hear absolutely wonderful sound,
> but my brain also wouldn't mind hacking a "real" processor chip that I
> might be able to use professionally as well (like a 68000 or 80286 --
> there's compartively not a lot of 65xxx work out there).
>
> If the //gs or an upgrade were under $1000 (like $750 or better) there
> wouldn't be a contest... I've got 700 floppies of Apple software. But
> $1900 is ridiculous when I can go get a 68000 machine like an Atari 1024
> or 520 (I can get the 520 for $750 locally with monochrome monitor) and
> KEEP my //e and][+. The graphics are roughly equivalent to an Atari
> (though probably not as fast) and the sound is probably not as spectacular,
> although at least it is a standardized interface (the MIDI port).
>
> $1900 simply doesn't cut it, and the upgrade motherboard swaps don't sound
> so hot either when you've got to buy a Unidisk, mouse (already have this
> though), and whatever else...
>
You don't HAVE to buy a unidisk, and you should be able to keep your
//e motherboard and put it in a cheap case and have all 3 systems. You
also need to ask how much those 700 disks are worth (can they be ported
over to another system?). I agree the price is way too high, but Apple
always releases new products high to give dealers room to discount.
Within a year you'll see the machine discounted to near current //e
prices. Since there are only 49 chips on the board the thing has to
be cheaper to make than the //e. This still doesn't help as far as
hacking 68000 or 80286 code though. A rumor in EE Times said Apple was
working on a MACac emulator board to go in the //gs...That would be nice.

Rick
>
> Richard
> SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From 3004229808359964415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8fb49b4bf88515
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 08:30:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!sdcsvax!noscvax!cod!
rupp
From: rupp@cod.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: Re: //GS emulation cards
Message-ID: <181@cod.UUCP>
Date: Thu, 16-Oct-86 11:30:07 EDT
Article-I.D.: cod.181
Posted: Thu Oct 16 11:30:07 1986
Date-Received: Fri, 17-Oct-86 03:37:50 EDT
References: <8610150548.AA22311@ai.wisc.edu> <550@sdcc18.ucsd.EDU>
Reply-To: rupp@cod.UUCP (William L. Rupp)
Organization: Computer Science Corp., San Diego
Lines: 16

In article <550@sdcc18.ucsd.EDU> ee161abt@sdcc18.UUCP (Grobbins) writes:

>Doesn't seem likely. Apple's earlier attempt at a more powerful
>Apple II, the Apple IIx, was designed to support coprocessors
>(primarily the 68000.) But the //gs doesn't have a slot intended
>

Other than as a term used to refer to the next Apple II model (the
latest being the IIGS), I have not heard of the use of the name Apple IIx.
You imply that there was such a computer. Please give details. Was
this a prototype? What are your sources?

==========
Any posting I make to the Usenet represents my own opinions or thoughts,
and not those of my employer (Is that okay, Gary?)
==========

From 9016847905784751542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7863e75443e8fb4f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 09:22:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!XEROX.COM!Thomka.OsbuSouth

From: Thomka.OsbuSouth@XEROX.COM
Newsgroups: net.micro.apple
Subject: Re:][+ w/munged memory
Message-ID: <861016-092744-4673@Xerox>
Date: Thu, 16-Oct-86 12:22:23 EDT
Article-I.D.: Xerox.861016-092744-4673
Posted: Thu Oct 16 12:22:23 1986
Date-Received: Thu, 16-Oct-86 22:54:24 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 37

Replace the 16K (generic # 4116) RAM at location E9.

Chuck

PS. Here are additional locations for other failures
Locations 0-3FFFH
01=C3
02=C4
04=C5
08=C6
10=C7
20=C8
40=C9
80=C10

Locations 4000-7FFFH
01=D3
02=D4
04=D5
08=D6
10=D7
20=D8
40=D9
80=D10

Locations 8000-BFFFH
01=E3
02=E4
04=E5
08=E6
10=E7
20=E8
40=E9
80=E10

From 1161123676421092049
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,8d56239008c6b7df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 10:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: DOS 3.3 AppleWriter and Corvus
Message-ID: <8610170122.AA29252@ucbvax.Berkeley.EDU>
Date: Thu, 16-Oct-86 13:16:00 EDT
Article-I.D.: ucbvax.8610170122.AA29252
Posted: Thu Oct 16 13:16:00 1986
Date-Received: Fri, 17-Oct-86 03:28:11 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 12

HELP!!!

Does anyone know of a way to run AppleWriter // under
DOS 3.3 on a Corvus network? Or does anyone have an
unprotected or modified copy of AppleWriter // which
could possibly be copied to a Corvus hard disk? Apple
tech support claims that it cannot be done and the
Corvus people are not too much help ...

Thanks in advance to anyone who can help us out.

Mark

From -2391903326172598878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1a63e3f3466f6120,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 12:14:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!nike!ucbcad!ucbvax!AMSAA.ARPA!mcohen
From: mcohen@AMSAA.ARPA (Martin Cohen)
Newsgroups: net.micro.apple
Subject: Question
Message-ID: <8610162028.AA22816@ucbvax.Berkeley.EDU>
Date: Thu, 16-Oct-86 15:14:56 EDT
Article-I.D.: ucbvax.8610162028.AA22816
Posted: Thu Oct 16 15:14:56 1986
Date-Received: Thu, 16-Oct-86 23:40:28 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

If I do not get on this mailing list
will I see everything that is on it
if I watch net.micro.apple?

--
Marty Cohen

From -8801249111410591362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,27dc96da609e1538,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 13:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!convex!ntvax!mike
From: mike@ntvax.UUCP
Newsgroups: net.micro.apple
Subject: Easing Up to GS
Message-ID: <3600003@ntvax>
Date: Thu, 16-Oct-86 16:40:00 EDT
Article-I.D.: ntvax.3600003
Posted: Thu Oct 16 16:40:00 1986
Date-Received: Tue, 21-Oct-86 21:11:58 EDT
Lines: 23
Nf-ID: #N:ntvax:3600003:000:925
Nf-From: ntvax.UUCP!mike   Oct 16 15:40:00 1986

ok - i've got some (stupid) questions concerning the apple. i have
a //e at home and my dad has a][+. we are both interested in getting
a //gs (eventually). my dad was interested in "easing" into the upgrade.
this brought up some questions.
  (1) can you control a 3.5" disk with the standard disk controller?
  (2) will some alternative source 3.5" disks that work with the //e
      also work with the //gs?
  (3) does the //e upgrade come with the mouse?
  (4) does the //gs come with regular compsite video out so that
      my monitor /// would work.
  (5) what alternatives are there for the color monitor?

  like i said, the questions are probably pretty dumb. i just haven't
used the apple that much since by the time i get home from work i usually
don't like to even look at a computer. any information would be greatly
appreciated.

thanks,

mike flanery
csci dept., ntsu
UUCP: ..!ihnp4!infoswx!ntvax!mike

From 2046896513310558671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8fb49b4bf88515
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 17:44:35 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: //GS emulation cards
Message-ID: <553@sdcc18.ucsd.EDU>
Date: Thu, 16-Oct-86 20:44:35 EDT
Article-I.D.: sdcc18.553
Posted: Thu Oct 16 20:44:35 1986
Date-Received: Fri, 17-Oct-86 06:03:39 EDT
References: <8610150548.AA22311@ai.wisc.edu> <550@sdcc18.ucsd.EDU> <181@cod.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego
Lines: 36

In article <181@cod.UUCP> rupp@cod.UUCP (William L. Rupp) writes:
>In article <550@sdcc18.ucsd.EDU> ee161abt@sdcc18.UUCP (Grobbins) writes:
>>Doesn't seem likely. Apple's earlier attempt at a more powerful
>>Apple II, the Apple IIx, was designed to support coprocessors
>>(primarily the 68000.) But the //gs doesn't have a slot intended
>
>Other than as a term used to refer to the next Apple II model (the
>latest being the IIGS), I have not heard of the use of the name Apple IIx.
>You imply that there was such a computer. Please give details. Was
>this a prototype? What are your sources?

Apple was, a long, long time ago, in a galaxy far, far away, working
on a computer I believe was the mythical Apple IIx. It was, I
understand, a //e with support for more memory and with a slot
specifically intended for the support of other microprocessors. I'm
not sure if it was 6502 or 65816 based, though I'd guess the former,
as I don't think '816's have been long available.

My initial source for this was the Boston Computer Society's
Newsletter _Update_, the one with the cover story on the
introduction to the Macintosh (~March 1984.) In it were, besides an
excellent early review of the Mac, several interesting tidbits,
including the story of the twiggy drive, and reports on the //c and
//x (note that the //c was released in the Fall of 1984, months
after the BCS report.) I have since confirmed its existence and
demise through other channels.

I believe Woz had a hand in the work on the //x. (He didn't in the
//gs, and it shows.) Overall, a friend on the //GS team at
Apple has assured me, the //GS is a better machine (if, perhaps,
less expandable.)

Grobbins.

"No two children are ever born into the same family."
   - Leo Rosten

From -280590951751703876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,65f87e757765c9cd,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,65f87e757765c9cd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 17:50:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!pyramid!gould9!joel
From: joel@gould9.UUCP (Joel West)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Apple has strong quarter
Message-ID: <829@gould9.UUCP>
Date: Thu, 16-Oct-86 20:50:09 EDT
Article-I.D.: gould9.829
Posted: Thu Oct 16 20:50:09 1986
Date-Received: Fri, 17-Oct-86 03:38:44 EDT
Organization: Western Software Technology, Vista, CA
Lines: 23
Xref: mnetor net.micro.mac:7592 net.micro.apple:1536

For those of you who missed it, Apple's sales were up 25% (to $511
million) and profits up 47% ($33 vs. 22 million) for their
fiscal 4th Q, ending Sept. 26.

They may have shifted forward some dealer Christmas purchases from the
(current) quarter. The IIgs is generating traffic, but has a production
problem with one of the custom chips, presumably involving Apple IIe
emulation.

FY 1986 is $1.9 billion in sales -- a flat performance considered good, given
the slump. Profit went from $61 million to $154 million.

The Sculley reorganization (leading to Mr. Jobs' retirement) is credited
with the improved profitability, despite major investments. Cash on hand
is $576 million, up $240 million, despite $128 m R&D expenditures.

The Mac is now Apple's strongest-selling PC, passing the IIe and IIc.

--
     Joel West   MCI Mail: 282-8879
     Western Software Technology, POB 2733, Vista, CA 92083
     {cbosgd, ihnp4, pyramid, sdcsvax, ucla-cs} !gould9!joel
     joel%gould9.uucp@NOSC.ARPA

From -609826458436550936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cd622971ee77c77
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 17:55:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt

From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: IIGS emulation cards
Message-ID: <554@sdcc18.ucsd.EDU>
Date: Thu, 16-Oct-86 20:55:58 EDT
Article-I.D.: sdcc18.554
Posted: Thu Oct 16 20:55:58 1986
Date-Received: Fri, 17-Oct-86 06:04:17 EDT
References: <8610161420.AA15953@ucbvax.Berkeley.EDU>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 25

In article <8610161420.AA15953@ucbvax.Berkeley.EDU> CDTAXW@IRISHMVS.BITNET writes:
>Expect to see Applied Engineering bring out an MS-DOS card which
>will basically "give you an MS-DOS compatible (clone) machine".
>They expect to have it out within a few months at a very reasonable
>cost, and it is expected to run all the software that works
>on other compatibles (Zenith, Compaq, etc)
>
>Mark

Many attempts have been made at giving II's MS-DOS compatibility,
most notably the Rana MS-DOS drive that Apple helped design. (I
don't know if it ever hit the market, but it was announced.)
Getting a II to run MS-DOS software involves attaching what is
virtually an IBM PC clone to a II, and that is generally going to be
more expensive than just buying a whole new IBM clone machine &
sitting it down next to the Apple & connecting them by a cable for data
transfer. To me, the most dubious part of Mark's posting is the
"very reasonable price."

Rule of thumb: never by a computer, short of a true clone, for
compatibility with another machine. Somewhere, some time, when you
least expect it, you're going to be let down hard.

Grobbins.

From -3807316414905261409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9497c2673776f6e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 20:42:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!husc6!husc4!nakada
From: nakada@husc4.harvard.edu (paul nakada)
Newsgroups: net.micro.apple
Subject: Kermit-][
Message-ID: <419@husc6.HARVARD.EDU>
Date: Thu, 16-Oct-86 23:42:59 EDT
Article-I.D.: husc6.419

Posted: Thu Oct 16 23:42:59 1986
Date-Received: Fri, 17-Oct-86 03:39:43 EDT
Sender: news@husc6.HARVARD.EDU
Reply-To: nakada@husc4.UUCP (paul nakada)
Distribution: net
Organization: Harvard Science Center
Lines: 13
Summary: How do I get Kermit-][?

==========

I have been following (at least trying) to follow the saga of
Kermit-][and I just saw the documentation for it come up in net.sources..
Somewhere along the line, though, I missed the process for obtaining
it.. Is there anyone who can give me detailed instructions for obtaining
it, or is there anyone who can mail it to me??

Any help would be greatly appreciated.. thank you..

Paul Nakada
nakada@husc4.UUCP
harvard!husc4!nakada

From 7284021228828466190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5404ca359dd3572,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 22:08:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!BRILLIG.UMD.EDU!don
From: don@BRILLIG.UMD.EDU (Don Hopkins)
Newsgroups: net.micro.apple
Subject: //x
Message-ID: <8610170508.AA24021@brillig.umd.edu>
Date: Fri, 17-Oct-86 01:08:46 EDT
Article-I.D.: brillig.8610170508.AA24021
Posted: Fri Oct 17 01:08:46 1986
Date-Received: Fri, 17-Oct-86 06:07:35 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 3

The //x is what the //gs was called before it was called the //gs (or
announced).
     -Don

From 1809157897081956093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,63988bb446256b17,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 22:36:00 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: DOS 3.3 Applewriter and Corvus
Message-ID: <8610170732.AA05810@decwrl.dec.com>
Date: Fri, 17-Oct-86 01:36:00 EDT
Article-I.D.: decwrl.8610170732.AA05810
Posted: Fri Oct 17 01:36:00 1986
Date-Received: Fri, 17-Oct-86 07:05:55 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 35

I don't think you can put DOS 3.3 Applewriter on a hard disk, or anything except a direct copy of the original, made with a tool like Locksmith. I wanted to put it onto a Diversi-DOS floppy to gain the speed of Diversi-DOS. I spoke with Bill Basham, who wrote Diversi-DOS, and he told me that Applewriter uses a DOS that's so severely altered that there's just no point in trying to deal with it.

This DOS is able to read the image files for the HELLO program and the APPLEWRITER program - these two are only protected files on the disk. They have oddball checksums or some other protection measure, along with a hidden character in their catalog entries. You can do a CATALOG using a normal DOS and see what appears to be normal filenames, but if you do it with the Applewriter DOS you'll see a flashing backslash as the second character (H\ELLO and A\PPLEWRITER). That flashing backslash is hex 1C - ASCII FS.

My solution was to blow $130 for a MicroPro StarCard and WordStar Professional. Best purchase I ever made. There is no file compatibility, but the power was worth it - I transferred all the Applewriter files I wanted to save, over to CP/M and cleaned them up one time.

Cheers,
Dick Binder (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

Please note that this mail message is likely to be incomplete.
The sender aborted the transmission.

rhea::MAILER-DAEMON

From 8503881523644966023
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,33833626102ea10d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-16 23:01:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Funny behaviour with Apple //e and StarCard
Message-ID: <8610170305.AA01704@decwrl.dec.com>
Date: Fri, 17-Oct-86 02:01:00 EDT
Article-I.D.: decwrl.8610170305.AA01704
Posted: Fri Oct 17 02:01:00 1986
Date-Received: Fri, 17-Oct-86 03:57:35 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 16

I've just added a StarCard to my //e, and it's causing the //e to go bonkers when CTRL-openapple-RESET is pressed to reboot, regardless of whether CP/M or Apple activity was in progress. The machine starts writing garbage all through the hi-res screen, and it begins a high-pitched whistle through the speaker, like a TV horizontal oscillator gone bananas. If I then press CTRL-RESET, the machine will reboot. The SoftCard I took out did not cause this anomaly.

Any ideas?

Cheers,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From 8004728981023243752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24c4b5181a67bfeb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 08:24:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: StarCard problem with Apple //e
Message-ID: <8610171229.AA11293@decwrl.dec.com>
Date: Fri, 17-Oct-86 11:24:00 EDT
Article-I.D.: decwrl.8610171229.AA11293
Posted: Fri Oct 17 11:24:00 1986
Date-Received: Fri, 17-Oct-86 22:47:17 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

Please forget you ever read my previous message about trouble with a StarCard in my Apple //e. I took the card out and the machine still failed - I took the time to reseat all the chips and cables, and the problem went away - it was apparently a poor connection in the keyboard cable.

Sorry to have awakened you, my dear,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From -79241318424969543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cd622971ee77c77
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 08:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: IIGS emulation cards
Message-ID: <8610171257.AA12226@decwrl.dec.com>
Date: Fri, 17-Oct-86 11:46:00 EDT
Article-I.D.: decwrl.8610171257.AA12226
Posted: Fri Oct 17 11:46:00 1986
Date-Received: Fri, 17-Oct-86 22:47:49 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 25

> Rule of thumb: never by a computer, short of a true clone, for
> compatibility with another machine. Somewhere, some time, when you
> least expect it, you're going to be let down hard.
>
> Grobbins.

The only absolutely true clone is a twin made by the original company - all the clones seem to fall down when you least expect it. The best PC-AT clone I know of is the VAXmate, from DEC. It's been given the "functionally compatible" rating (the highest possible) by a company that rates clones, and it even runs the Flight Simulator. But as good as it is, and it *is* nice, I've played with one, and with as much as comes built in (1 meg, Ethernet port, serial port, etc.), $4000 is a lot of bucks for a private individual to cough up for a *personal* computer without a hard disk. (That's $1600 more.)

Cheers,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder

ARPA: binder%asd.DEC@decwrl.ARPA

Disclaimer: I don't usually stick a disclaimer here, but because I work for DEC it must be understood that the opinions expressed in this message may or may not reflect any official or unofficial position of my employer.

From 3724627897162772427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 17:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxf!sk644
From: sk644@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <9900029@uiucuxf>
Date: Mon, 6-Oct-86 20:06:00 EDT
Article-I.D.: uiucuxf.9900029
Posted: Mon Oct 6 20:06:00 1986
Date-Received: Tue, 14-Oct-86 05:40:29 EDT
References: <673@sphinx.UChicago.UUCP>
Lines: 18
Nf-ID: #R:sphinx.UChicago.UUCP:673:uiucuxf:9900029:000:685
Nf-From: uiucuxf.CSO.UIUC.EDU!sk644   Oct 6 19:06:00 1986

    Don't be silly. There are very important differences that you are ignoring when you talk about processor speed. Processor speed (when measured in Mhz) is relative!!! A 4 Mhz Z-80 (CP/M processor) is as fast as a 1 Mhz 6502. Those 3.5 Mhz Apple-turbocards speed up the Apple to about 1.5-2x faster than a PC....the speed at which a processor operates is only useful information when you are talking about the same family of microprocessors.

Benjy Mouse
University of Illinois at Urbana-Champaign

UUCP   : {ihnp4, convex, pur-ee}!uiucdcs!uiucuxf!sk644
Internet: uiucuxf!sk644@a.cs.uiuc.edu
FIDO   : Net 11,Node 102, Benjy Mouse
UBBS   : 217-359-4450, 300/1200/2400, 24 hours

From 8667595754935830146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6361ac62c4766079
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 22:58:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!husc6!panda!genrad!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: About the //e upgrade to //GS
Message-ID: <4217@reed.UUCP>
Date: Tue, 7-Oct-86 01:58:03 EDT
Article-I.D.: reed.4217
Posted: Tue Oct 7 01:58:03 1986
Date-Received: Wed, 8-Oct-86 07:55:43 EDT
References: <673@sphinx.UChicago.UUCP> <1527@k.cc.purdue.edu>
<686@sphinx.UChicago.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 70
Keywords: //gs, //e upgrade

In article <686@sphinx.UChicago.UUCP> god3@sphinx.UUCP (Peter Godwin) writes:
>The most concrete information I have come across about the upgrade
>follows:
>
>o Apple hasn't said whether or not the upgrade includes a mouse.

No.

>o Your current communication soft/hardware setup may not work properly
>   without modification. This goes for modems hooked up via serial ports.

This is NOT because the serial ports are incompatable. They are still
RS-232C. THe problem is in the software that directly addresses the
ACIA port. The GS uses the Zilg? Chip, and that is not quite the same,
hence, when AE Pro or somesuch tries to send stuff directly to the port,
it screws up. For drivers that use the supplied firmware on the SSC the
GS will work just fine.

>o The Apple //c WILL NOT BE upgradable with this method.

The //c HAS been upgraded, however. It has a new motherboard that
allows a 256K-1Meg add on board. Upgrades for old //c's are available.
The mouse firmware has been moved from "slot" 4 to "slot" 7. (Shoulda
polled for the mouse.) The false "AppleTalk not connect" has been
removed (It never worked). Slot 4 is now the extra RAM, compatable
with the RAMcard that apple has.

>o Various multifunction cards which work on //e's may not work properly
>   on a IIgs (call the company and ask if concerned).

This is because they "Phantom" slot. Phantom slotting can still be done
on the GS, but you have to use the 'IOselect line.

>I myself am steadily planning to purchase the upgrade kit when it becomes
>available through my school. (I'm selling many peripherals which, with
>the advent of the IIgs will become extrenuous.

I, too, plan to buy a //GS. But I'll be hanged if I'll trade in my //e
for it.

>The cost of the upgrade, however, is misleading. The full power of the
>IIgs will not be realized until a mouse (if not included), 3 1/2"
>disk drive, and RGB monitor are purchased for the system.. and clearly
>that represents a more substantial investment.

Also, I don't know whether the MouseCar will work in it, but I think it
will. The upgrade does not include one. I plane to get a 3.5 drive for
my //e and use only 3.5 disks for the //GS.

>Peter Godwin   uucp: ...ihnp4!gargoyle!sphinx!god3

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
                  purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
                  cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
              reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

Long live screwed up bit imaged graphics!!!

From 201125891371478401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c3c09f3693b8fb4b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-07 05:19:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!rutgers!husc6!panda!genrad!decvax!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com.UUCP
Newsgroups: net.micro.apple
Subject: //GS Stuff
Message-ID: <5804@decwrl.DEC.COM>
Date: Tue, 7-Oct-86 08:19:01 EDT
Article-I.D.: decwrl.5804
Posted: Tue Oct 7 08:19:01 1986
Date-Received: Wed, 8-Oct-86 07:10:16 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation

Lines: 21

Well I've seen alot of stuff fling across the NET about what we *USERS*
would've like to see on the //GS. I hope APPLE is listening!!! One the few
things that is really dumb is they used the same old APPLESOFT!!! Damn couldn't
they have done soem mods on it so I can use the power of the //GS!! I dont want
to use the "&" forever.. I guess thats what "APPLE // FOREVER" means. On another
note the RGB is analog. We never had an RGB interface unless u bought a 3rd
party card. They used mostly Digital RGB [IBM] output. I myself am going to try
and hook up my VR241... Hope it works as i could save the $475.00. I'm still
waiting to here from APPLE to see if it'll work. The dealer doesn't know so....
I hear the //GS can have up to 1.25mb fo ROM... Maybe we can add a new APPLESOFT
at a later date. Also rumor has it that the //GS drops down to 1.25mhz when you
do HIGH RES GRAPHICS... So not only do u have a bigger file but it slows down
the CPU too. Atleast the video trace and memory refresh are seperated now..

Joe....

PS: When i changed the backround color of a //GS to PURPLE it messed up the
text in the CONTROL PANEL.... Whats Up APPLE....

From -1583828053838477612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ce79241bc701285,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-07 07:51:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!qantel!ihnp4!houxm!mtuxo!mtune!codas!
bsdpkh!heff
From: heff@bsdpkh.UUCP (Paul K Heffner)
Newsgroups: net.micro.apple
Subject: Softcard CP/M - Latest Version??
Message-ID: <246@bsdpkh.UUCP>
Date: Tue, 7-Oct-86 10:51:16 EDT
Article-I.D.: bsdpkh.246
Posted: Tue Oct 7 10:51:16 1986
Date-Received: Wed, 8-Oct-86 07:30:54 EDT
Distribution: net
Organization: AT&T-IS (SDSS), Orlando Fl.
Lines: 14

I just acquired a castoff serial card (Slotware) which I'd like to
use with the Microsoft Softcard CP/M. The (crummy) documentation
supplied with the card states that it won't work with CP/M 2.02B
(which, naturally, is the version I'm running) and they're not
kidding, it doesn't! It works well with Pascal, but I really want
to use CP/M (to hook up my terminal). Can any of you tell me if
Microsoft has ever updated their CP/M release for the softcard?
If so, what's the latest version? Has CP/M plus (Ver 3) ever been

released for the softcard? Anybody know Microsoft's upgrade policys?

Thanks!
Paul K. Heffner
{ihnp4,akgua,attmail}!bsdpkh!heff

From 3186128411853658296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dae2668fcfd08426,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-07 10:53:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!sri-unix!hplabs!hao!noao!hsi!
archer
From: archer@hsi.UUCP (Yrrag Rehcra)
Newsgroups: net.micro.apple
Subject: 40 to 80 to 40 cols SOLUTION!
Message-ID: <427@hsi.UUCP>
Date: Tue, 7-Oct-86 13:53:36 EDT
Article-I.D.: hsi.427
Posted: Tue Oct 7 13:53:36 1986
Date-Received: Wed, 8-Oct-86 22:17:32 EDT
Distribution: net
Organization: Health Systems Int., New Haven, CT.
Lines: 51

munch, munch <<IS LINE WITH YOUR MESSAGE ***

Many thanks to

ihnp4!ucbvax!c160-az@zooey.berkeley.edu (Donald Tsang)
noao!hao!hplabs!tektronix!reed!kamath (Sean Kamath)

(in case they didn't get my response) whom e-mailed me their advice to my
40/80/40 column query (where I didn't know the correct intstruction to
deactivate the 80 column text card from **within** an Applesoft BASIC program).

The best solution follows, and coincidentally this topic was covered in
the September issue of Nibble magazine (the first time I'd ever read Nibble,
and hereby recommend it to any Apple II user).

Assume the current state of your Apple 80 column text card is that it is
inactive, the screen is in 40 column mode, INVERSE and FLASH statements work
normally. The following statements in effect turn on your 80 column text card
and sets the mode from 40 to 80 columns. INVERSE statements work as normal,
but be forewarned that FLASH will produce garbage in ordinary INVERSE format:

```
100 PRINT CHR$(4); "PR#3"
110 PRINT CHR$(18)
```

After this you can print a wide list of data. Optionally, of course, it may

be best to call HOME immediately afterwards before printing out in 80 column mode. And, before deactivating the 80 column card and returning to 40 column mode, call HOME again. (OK, OK... enough jokes about E.T. here...)

To deactivate the 80 column text card and return to 40 column mode, the following statements are necessary:

```
200 PRINT CHR$(21)
210 PRINT CHR$(4); "PR#0"
```

All in all, it is pretty simple really, but unless you bought an 80 column text card as an accessory (it comes with IIc 's), the code above is rarely documented. Of course, everyone tells you to ESC-CTRL-Q to deactivate the card, but that is from the keyboard only!

Hope this was a useful discussion to some other than myself!

--

Garry Archer Esq.   ihnp4!hsi!archer
Health Systems International
New Haven, CT 06511
USA

From 8729520100607343441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61727ff5e7e4ba9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-07 13:36:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: //GS
Message-ID: <849@cbmvax.cbmvax.cbm.UUCP>
Date: Tue, 7-Oct-86 16:36:29 EDT
Article-I.D.: cbmvax.849
Posted: Tue Oct 7 16:36:29 1986
Date-Received: Wed, 8-Oct-86 07:48:21 EDT
References: <5733@decwrl.DEC.COM>
Organization: Commodore Technology, West Chester, PA
Lines: 26

>
>
> One other thing that I forgot to mention... What happened to the CASSETTE
> PORT.. Hey Apple whats up????
>
> Kidding aside they could've had more *(*)s and given us some better
> basic.... I plunked my name on a list anyway..... Everyone is talking about

> the bus being only 16 bits... I read that the data bus is 24 bits... Is this
> the internal bus??? Also they could've givven us some 16 bit expander slots
> to play with....

The data bus is 8 bits long. The address bus is 24 bits long; during
the first half of a cycle the high order 8 bits of address show up on the
data bus, where they are externally latched so that they'll be around for
the second half of the memory cycle, which is where most of the action takes
place. There's no way you could have 16 bit data bus expansion slots, I
don't know what they do with the addressing of these slots now.

> Joe
--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
         "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 4265444251099273905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 07:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!princeton!allegra!ulysses!mhuxr!mhuxt!houxm!
ihnp4!inuxc!pur-ee!uiucdcs!convex!ntvax!mike
From: mike@ntvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <3600002@ntvax>
Date: Wed, 8-Oct-86 10:15:00 EDT
Article-I.D.: ntvax.3600002
Posted: Wed Oct 8 10:15:00 1986
Date-Received: Sat, 11-Oct-86 20:05:09 EDT
References: <673@sphinx.UChicago.UUCP>
Lines: 33
Nf-ID: #R:sphinx.UChicago.UUCP:673:ntvax:3600002:000:1777
Nf-From: ntvax.UUCP!mike   Oct 8 09:15:00 1986

/* Written 2:09 pm Oct 5, 1986 by k.cc.purdue.edu!ag0 in ntvax:net.micro.apple
*/
In article <673@sphinx.UChicago.UUCP>, kus3@sphinx.UChicago.UUCP (robert
kusumoto) writes:
> //e: the fastest accelerator cards I've ever seen for a //e goes around 3.5-3.6
> Mhz which is a bit slower than the 4.77Mhz in the base IBM PC and much slower
> than most IBM PC compats that run anywhere from 6 to 12 Mhz now.
>
> thats all for now
>

> Bob

According the manuals supplied with my Apple //e, the clock speed in the 6502 corresponds roughly to twice that speed in other microprocessors, i.e. a 6502 running at 3.5 Mhz is roughly equivilent to 7Mhz. This speed difference (as best as I can recall) is attributed to simpler cpu architecture.

Enough of that. I have also read InCider's review of the //gs. I am a little dissapointed with the resolution (200 vertical in any mode except //e emulation) and the clock speed. Still it is a step up from the old 8 bit tech-nolgy and I would love to have it in my //e. I haven't seen any consistent or detailed information about upgrades. If anyone has the information I would love to hear it. If I understand correctly I would need a new mother board in my //e. An important question here is just how compatible would such an up-grade be with both the old //e's and the new //gs?

Another big dissapointment to me is the mouse/graphics operating system interface to the //gs. Frankly, I hate mice. A Mouse has its place for some applications, but as a primary input device- forget it!! My next question is: Can the operating system take commands from the keyboard, or are we bound to mice until some third party markets an alternative??

Colin Jenkins (No fancy address!)
/* End of text from ntvax:net.micro.apple */

From -1188120965218313100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21ae5b8e02f24e76,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 12:22:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!BRL.ARPA!
JOSEPH%red.rutgers.arpa
From: JOSEPH%red.rutgers.arpa@BRL.ARPA
Newsgroups: net.micro.apple
Subject: MouseCalc and Mouse Word from International Solutions
Message-ID: <12245220050.72.JOSEPH@RED.RUTGERS.EDU>
Date: Wed, 8-Oct-86 15:22:43 EDT
Article-I.D.: RED.12245220050.72.JOSEPH
Posted: Wed Oct 8 15:22:43 1986
Date-Received: Thu, 9-Oct-86 02:26:50 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 26

HELP!

I bought Mouse Calc and Mouse Word from International Solutions right before they went bankrupt. I am stuck with the copy protected versions they sent in the packages. I cannot get the uncopy-protected updates that they promised would get sent out with the receipt of my product registrations because the company is no longer

operating and my mail to them keeps getting returned. I bought these
programs to use on my Sider hard disk and am mega-frustrated that I
spent all this money and I cannot copy the applications off of the
darn floppies!

Does anyone out there have the uncopy-protected versions of either
of these programs? I can prove I am a legal owner, I can send you
pictures of me posing next to the original disks and packages, anything
you want.   Please help me from taking a total loss on these.

If you can give me instructions on how to remove the copy protection
from the disks I have now, That would also help.

Thanks in advance.

                    Seymour Joseph
                    <Joseph@Rutgers>

From -1926786384023473967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f4f20e94451ef5c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 12:50:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!lll-crg!nike!ucbcad!ucbvax!ecsvax.UUCP!
ranger
From: ranger@ecsvax.UUCP ("Rick N. Fincher")
Newsgroups: net.micro.apple
Subject: Re: Apple //gs
Message-ID: <8610081950.AA09469@ecsvax>
Date: Wed, 8-Oct-86 15:50:14 EDT
Article-I.D.: ecsvax.8610081950.AA09469
Posted: Wed Oct 8 15:50:14 1986
Date-Received: Mon, 13-Oct-86 05:46:03 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 4

Sure, I can add a few more detailed comments about incompatibilities. Apple
has published a whlole catalog of them but I can hit the high spots.

Rick

From -3274177574080717926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d608e451e00e168,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 12:55:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!pro-sol.UUCP!mdavis
From: mdavis@pro-sol.UUCP
Newsgroups: net.micro.apple
Subject: Re: ProLine
Message-ID: <861008-125643-6311@Xerox>
Date: Wed, 8-Oct-86 15:55:41 EDT
Article-I.D.: Xerox.861008-125643-6311
Posted: Wed Oct 8 15:55:41 1986
Date-Received: Thu, 9-Oct-86 02:36:38 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 166

GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV
From: Morgan Davis <crash!pnet01!pro-sol!mdavis@nosc.arpa>
To: pnet01!crash!ihnp4!convex!mcomp!p40001@nosc.arpa
Subject: Re: ProLine
Cc: info-apple@amsaa.arpa
Return-Path: <info-apple-request@BRL.ARPA>
Redistributed: XeroxInfo-Apple^.pa
Received: from BRL-SMOKE.ARPA by Xerox.COM ; 05 OCT 86 01:24:34 PDT
Received: from amsaa.arpa by SMOKE.BRL.ARPA id ab06574; 5 Oct 86 3:39 EDT
Received: from nosc.arpa by AMSAA.ARPA id a027772; 5 Oct 86 3:29 EDT
Received: by bass.ARPA (5.31/4.7)   id AA27736; Sun, 5 Oct 86 00:31:53 PDT
Message-Id: <8610050731.AA27736@bass.ARPA>
Original-Date: Sat, 4 Oct 86 16:59:14 PDT
GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV

> Morgan,
>
> I just received the LLS flyer which was enclosed with the OpenApple
> newsletter.
> Can you give me some more info on the ProLine package? How does it
> interface to UUCP? Could I just find any uucp site to connect to?
> It sounds like something I'd be interested in, but I'd like to know
> a bit more about it before investing nearly $200.
> Thanks!
> Wolf
> --
> Wolf N. Paul
> UUCP: ihnp4!convex!mcomp!doulos!wnp
>   or   ihnp4!convex!mcomp!p40001

First and foremost, ProLine is probably the most complete and powerful messaging systems ever written for the Apple computer. The entire program was written with UNIX in mind. I wanted a system that at least looked and acted a lot like UNIX. So I built a shell, and from that a mailer, and from that a conference system (not that much unlike readnews). I was fortunate enough to have a unix account on one of Bill Blue's unix boxes, and so I got all of my experience there. By keeping the direction of ProLine toward that which unix provides, it made it a lot easier to implement unix-ish stuff, including node networking between ProLine sites, as well as into other gateways (such as the one that this message is going through).

ProLine in itself is unable to speak with uucp, but through a gateway program, it can. One such gateway is P-Net (crash!pnet01). It is a conferencing system written by Bill Blue in C under Symmetrix BSD 4.2. He and I created a simple interface between our systems in order to pass mail back and forth. But if it wasn't for P-Net, there's no way that ProLine would be able to find paths into uucp/arpa-land. However, I do not consider uucp access as the one and only reason for buying ProLine...there's a heck of a lot more to this system than it's simple interface into gateways.

So, with that explained, on to the features.

ProLine was written using ModemWorks and Applesoft BASIC, and runs under ProDOS on at least 10mb of hard disk. It can support up to 256 individual accounts, and each user has his own workspace and mailbox. A workspace is nothing more than a subdirectory (/a/usr/mdavis, for example). The user is free to do anything in his area that he wants: create, edit, store, and delete files, create subdirectories, etc. Also, a special security feature allows users to pass files back and forth between user areas, for example:

```
$ cp foobar ../jdoe
```

This copies "foobar" in your area to jdoe's area. Also, xmodem protocol is supported for transferring binary and text data files.

Each user has a mailbox, designed after the uucp mailbox structure. Because of this, a mailbox's size is only limited by the amount of disk space. A mailbox can hold as many messages as well fit (with a logical limit upheld by ProDOS of 16 megabytes). The mail program, at present, will only handle 128 messages at a time, though I am planning on expanding this. The mailer supports automatic return-path generation (which was employed when I commented to your letter), variables, and interactiveness with your filespace, carbon and blind copy feature, multiple To-field recipients, etc. Just like mail. In addition, the ReMAILer will support alias distribution lists. With this, there are a few folks on my ProLine node who will be reading this message since it will come back through the networks to my info-apple alias list. The user interface of ProLine's mailer is an enhancement of the UCSD MSG System.

ProLine has a non-threaded conferencing system, which can contain up to 51 major groups, each containing any number of subtopics. With a 5mb data space, about 7,000 individual messages can be maintained. The conferencing system is self-maintaining, as it will flush old messages when new ones are added. A user can join as many group topics as he wishes, providing he has requisite access to some of the closed-to-general-public areas. Each major group has a conference moderator who is responsible for taking care of his subtopics. Message entry modes in the conference area (as well as in the mailer) are disk based, meaning messages can be very large in size -- limited only by disk space. The editor is limited to 400 lines of text, however. Word-wrap text entry is supported.

ProLine has a Data Library, consisting of many "bookshelves." Each shelf can hold any number of "titles" (files, programs, etc). Users can browse through

the library and select books to check out (download) or can donate their own if they wish. Each user can download 6 files per day maximum, in order to keep system usage at a reasonable level. Each "title" includes a coresponding card in the card catalog; a descriptive 6-line text field which gives the program's name, author, file type, size, and date donated. Each entry also is kept up to date as to how many times is has been checked out (letting you know which are popular and which aren't). The library is assigned a librarian to maintain it (which can be the system manager [or sysop] or any one else). Xmodem protocol is supported in the Data Library.

ProLine's password file (/a/etc/passwd) is structured like unix, where each entry contains:

```
login:encrypted_password:UID:GID:real name:home_area:program_to_run
```

This allows the SA to create password entries which can run any file in the system, not just the SHell.

Every account on ProLine has billing and accounting information maintained at all times. Each user is tracked by the minute, and the accounting information can report: number of times logged, total number of minutes used since account was established, total number of minutes used in the previous month, total minutes used in the current month, rate per minute, account balance, total amount due, as well as billing address and phone number. Likewise, the system will keep a running history of itself with the same information (it's fun to see that in 12 months, the system has been in use by callers for 600,000 minutes!). Any user can check his account statistics at any time.

While idle (waiting for a call), ProLine keeps track of timed tasks (/a/etc/crontab), to see if it is time to poll other sites, run system maintenance programs such as archiving the log files, removing inactive accounts, etc. This makes the system practically self-maintaining. The system manager of ProLine can make changes to the crontab task file and set up tasks to run at any given time points, from minute-to-minute, to days and months in advance.

ProLine's shell supports variables, character escaping, multiple commands per line, executable script files, conditional logic, many built-in management commands (cp, mv, pwd, cd, to name a few) and will run any programs in /a/bin, such as grep, stty, ls, rmuser, rmdir, etc, etc etc etc... it's pretty damned unix-like. Each user can tailor his own custom "profile" script.

All told, ProLine's help facilities total near 100K of helpful text files. So if all of this sounded like it goes beyond the scope of your normal BBS junkie, there is quite a bit of tutorial information online. More than a few folks have used ProLine to learn how to use *real* UNIX systems, without even knowing they were, in a sense, studying!

This very compact and condensed description of ProLine is far from detailed. I have only touched on some of the points of the program. It has been under development for over a year, and is still being worked on. It should be ready for release to serious sites by January, 1987 (I've written most of the code, now all I have to do is document UNIX, essentially. Sigh...). I will post

an official announcement to the net when it's ready.

ProLine will run on any Apple computer (which can run ProDOS, that is). I recommend the Apple IIe, though my site has been running off of an old Apple II+ for over a year. A ProDOS-compatible clock card, 10mb hard disk (like the Sider and equiv.), one floppy drive or UniDisk 3.5 (for backups and installation), and a modem are the other requirements. Because of ModemWorks, any truly Hayes-compatible external modem or Apple-Cat II internal modem will work just fine. Baud rates up to 2400 bps are supported.

My site runs all day long, and currently has a 300/1200 bps modem attached. Feel free to call and check it out personally if you wish. Login as guest. The number is 619/281-7222 (San Diego, California, USA). I think you will find it very difficult to believe that it all runs under BASIC, because it is quite fast and responsive.

--Morgan W. Davis

UUCP: [akgua, hplabs!hp-sdd, sdcsvax, noscvax] !crash!pnet01!pro-sol!mdavis
ARPA: crash!pnet01!pro-sol!mdavis@nosc

From 8344055948219564304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6361ac62c4766079
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 15:39:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: About the //e upgrade to //GS
Message-ID: <545@sdcc18.ucsd.EDU>
Date: Wed, 8-Oct-86 18:39:19 EDT
Article-I.D.: sdcc18.545
Posted: Wed Oct 8 18:39:19 1986
Date-Received: Thu, 9-Oct-86 06:32:44 EDT
References: <673@sphinx.UChicago.UUCP> <1527@k.cc.purdue.edu>
<686@sphinx.UChicago.UUCP> <4217@reed.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 20
Keywords: //gs, //e upgrade

In article <4217@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
>In article <686@sphinx.UChicago.UUCP> god3@sphinx.UUCP (Peter Godwin) writes:
>>o Various multifunction cards which work on //e's may not work properly
>> on a IIgs (call the company and ask if concerned).
>This is because they "Phantom" slot. Phantom slotting can still be done
>on the GS, but you have to use the 'IOselect line.

Doesn't phantom slotting demand decoding of the address bus rather
than depending on the IO-select line? And doesn't that preclude the

use of phantom slotting (short of running a jumper to read another
slot's I/O select signal)?

I'd think the problem is all due to the fact that the machine now
uses a 24-bit address bus, but not all of the address lines
are available to the slots.

Study the Slotmaker chip, and let me know...

Grobbins.

From 8754372593992834016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,47cc37c5abda662d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 16:32:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!UOFT01.BITNET!FAC0395
From: FAC0395@UOFT01.BITNET (Joe Feustle)
Newsgroups: net.micro.apple
Subject: /GS character sets.
Message-ID: <8610090016.AA07578@ucbvax.Berkeley.EDU>
Date: Wed, 8-Oct-86 19:32:37 EDT
Article-I.D.: ucbvax.8610090016.AA07578
Posted: Wed Oct 8 19:32:37 1986
Date-Received: Thu, 9-Oct-86 03:41:03 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 3

Thanks to the person who attempted to respond to my request for info
on what the /GS has in its character sets. The mailer got you, though.
All that made it through was the header...

From -3506722346623833286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c524596108f6833
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 17:34:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!dayton!meccts!meccsd!ahby
From: ahby@meccsd.UUCP (Shane P. McCarron)
Newsgroups: net.micro.apple
Subject: Re: EDUCATIONAL SOFTWARE FOR APPLE NEEDED
Message-ID: <544@meccsd.UUCP>
Date: Wed, 8-Oct-86 20:34:40 EDT
Article-I.D.: meccsd.544
Posted: Wed Oct 8 20:34:40 1986
Date-Received: Fri, 10-Oct-86 08:19:58 EDT
References: <413@tekgen.UUCP> <4387@brl-smoke.ARPA>

Sender: ahby@meccsd.UUCP
Reply-To: ahby@meccsd.UUCP (Shane P. McCarron)
Distribution: world
Organization: MECC Technical Services, St. Paul, Mn
Lines: 26

In article <4387@brl-smoke.ARPA> abc@brl-smoke.ARPA (Brint Cooper) writes:
>Also contact the
>
>   Minnesota Educational Computer Consortium
>
>I can't find the address for them. She must have taken the disks to
>school with her. The school system joined MECC for a set fee. Software
>is then available for distribution costs. If you can't get the address
>for MECC, write me again.

Actually, it's the Minnesota Educational Computing Corporation, and
the address is:

     MECC
     3490 Lexington Ave N.
     St. Paul, MN 55126
     (612) 481-3500

MECC has site and district licenses available for schools, but also
sells through retail outlets and via direct catalog sales to
individuals.
--
Shane P. McCarron   UUCP ihnp4!meccts!ahby
MECC Technical Services   ATT (612) 481-3589

"They're only monkey boys; We can still crush them here on earth!"

From 195789967232193222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2230b7d67400bc5b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 20:19:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!WHEELER-EMH.ARPA!mhoward
From: mhoward@WHEELER-EMH.ARPA
Newsgroups: net.micro.apple
Subject: Please add to list
Message-ID: <8610090359.AA00529@ucbvax.Berkeley.EDU>
Date: Wed, 8-Oct-86 23:19:10 EDT
Article-I.D.: ucbvax.8610090359.AA00529
Posted: Wed Oct 8 23:19:10 1986
Date-Received: Thu, 9-Oct-86 06:23:01 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 6

Please add "jhaney@Wheeler-EMH" to info apple. This
is his third request.

Thanks in advance,

Matt

From 843208571877139158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2230b7d67400bc5b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 20:19:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!WHEELER-EMH.ARPA!mhoward
From: mhoward@WHEELER-EMH.ARPA
Newsgroups: net.micro.apple
Subject: Please add to list
Message-ID: <8610120225.AA29629@ucbvax.Berkeley.EDU>
Date: Wed, 8-Oct-86 23:19:10 EDT
Article-I.D.: ucbvax.8610120225.AA29629
Posted: Wed Oct 8 23:19:10 1986
Date-Received: Sun, 12-Oct-86 02:06:51 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 6

Please add "jhaney@Wheeler-EMH" to info apple. This
is his third request.

Thanks in advance,

Matt

From -4981339969045001080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-08 21:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!rra202
From: rra202@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <9800034@uiucuxa>
Date: Thu, 9-Oct-86 00:05:00 EDT
Article-I.D.: uiucuxa.9800034
Posted: Thu Oct 9 00:05:00 1986
Date-Received: Tue, 14-Oct-86 05:40:46 EDT
References: <673@sphinx.UChicago.UUCP>
Lines: 22
Nf-ID: #R:sphinx.UChicago.UUCP:673:uiucuxa:9800034:000:967

Nf-From: uiucuxa.CSO.UIUC.EDU!rra202   Oct 8 23:05:00 1986

    Written in responce 2 to this note.

Don't be silly. There are very important differences that you are
ignoring when you talk about processor speed. Processor speed (when
measured in Mhz) is relative!!! A 4 Mhz Z-80 (CP/M processor) is
as fast as a 1 Mhz 6502. Those 3.5 Mhz Apple-turbocards speed up the
Apple to about 1.5-2x faster than a PC....the speed at which a processor
operates is only useful information when you are talking about the
same family of microprocessors.

               (my text now)

I don't think a 6502 has a 4-1 advantage over a Z80. A 6502 has an
advantage because it does a full read in a cycle, unlike a Z80
which puts the address on the bus in one cycle and reads the data
in the next. But that's only a two to one advantage. And all the
benchmarks I read seem to say about a 2x advantage, which is what you
would think from my remarks.

   I run a 6502 at 2Mhz in my Commodo 128. It seem to be about 20% slower
than an IBM PC.

From -3878087077546481298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 09:10:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!think!mit-eddie!genrad!decvax!
mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Re: C128 vs Apple //e
Message-ID: <2114@ecsvax.UUCP>
Date: Thu, 9-Oct-86 12:10:16 EDT
Article-I.D.: ecsvax.2114
Posted: Thu Oct 9 12:10:16 1986
Date-Received: Sat, 11-Oct-86 19:32:30 EDT
References: <2084@ecsvax.UUCP> <842@cbmvax.cbm.UUCP>
Organization: UNC Educational Computing Service
Lines: 28

>
> Can you get a 4.08 MHz accelerator for the Apple (which is what you'd need
> for twice the speed of the C128)? Last I heard no one's delivering 6502s in
> production quantity that are speced to run above 3MHz.
Most accelerators for the Apple // run at 3.6 mhz because it is a di   n
even division of the 14mhz system clock. The 65C02 used is actually
a 4mhz chip (available from Rockwell, GTE or WDC). I think that the

Western Design Center is getting production yields on 6mhz 65802's
which are pin compatible with the 65C02 and 65816's which are used
in the //gs.
>
> > The benchmark you list is not totally hardware dependent. The quality and
> > type of Basic will make a difference too.
>
> Exactly. The C128 vs. Apple comparison is very valid. You'll have to use
> Applesoft BASIC (floating point). This and the C128 BASIC both use the
> old Microsoft floating point routines; the operations involved will be just
> about identical. If the BASIC on the PC is Microsoft than the comparison
> is very valid; if you're using BASICA on the PC, its not, for the BASICA
> interpreter uses 7 digit floats verses the Microsoft 11 digit floats.
>
> > Rick
> --
> ==
> Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
>
>   These opinions are my own, though if you try them out, and decide
>   that you really like them, a small donation would be appreciated.

From -105773347486229558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aabd3152eb4d4b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 09:52:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!sri-unix!hplabs!ucbvax!
BROWNVM.BITNET!ST802414
From: ST802414@BROWNVM.BITNET (CHRISTOPHER CHUNG)
Newsgroups: net.micro.apple
Subject: Applied Engineering Card compatibility with //gs
Message-ID: <8610092248.AA18212@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 12:52:03 EDT
Article-I.D.: ucbvax.8610092248.AA18212
Posted: Thu Oct 9 12:52:03 1986
Date-Received: Fri, 10-Oct-86 08:19:02 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: ST802414%BROWNVM.BITNET@wiscvm.wisc.edu
Organization: The ARPA Internet
Lines: 9

> I heard that it was 90% software compatible
> with the //e emulation mode and all the hardware expect the aple ssc
> and the applied engineering cards worked. the ssc didn't work because of
> a different communications chip that was in the gs, while the ae card were
> some unknow reason at the time.

Which AE card was this?
Thanks
Chris

From -1226183878110734000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17864a79e36783ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 09:58:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!panda!genrad!decvax!ucbvax!BROWNVM.BITNET!
ST802414
From: ST802414@BROWNVM.BITNET (CHRISTOPHER CHUNG)
Newsgroups: net.micro.apple
Subject: uncatalogable files
Message-ID: <8610091954.AA15615@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 12:58:14 EDT
Article-I.D.: ucbvax.8610091954.AA15615
Posted: Thu Oct 9 12:58:14 1986
Date-Received: Fri, 10-Oct-86 03:27:29 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: ST802414%BROWNVM.BITNET@wiscvm.wisc.edu
Organization: The ARPA Internet
Lines: 6

Does anyone know how to find out the names of files that do not
show up when you type in CATALOG. I know they are on the disk.
How do you go about accessing them?

Thanks,
Chris

From -5394256483331672416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,faecff9f42fef2e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 14:20:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!WHEELER-EMH.ARPA!mhoward
From: mhoward@WHEELER-EMH.ARPA
Newsgroups: net.micro.apple
Subject: please add
Message-ID: <8610120226.AA29638@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 17:20:42 EDT
Article-I.D.: ucbvax.8610120226.AA29638
Posted: Thu Oct 9 17:20:42 1986
Date-Received: Sun, 12-Oct-86 02:07:04 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 4

Please add "jhaney @ wheeler-EMH" to the infoapple mailing list.

thanks,

Matt

From 8929092156849429638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a0d3c1d85d73bc7b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 15:35:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!sri-unix!hplabs!ucbvax!
ULKYVX.BITNET!LMLARS01
From: LMLARS01@ULKYVX.BITNET
Newsgroups: net.micro.apple
Subject: mailing list
Message-ID: <8610092319.AA18708@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 18:35:00 EDT
Article-I.D.: ucbvax.8610092319.AA18708
Posted: Thu Oct 9 18:35:00 1986
Date-Received: Fri, 10-Oct-86 08:20:13 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 4

I would like to be added to the mailing list for this group.

Thank-you,
LMLARS01@ULKYVM (BitNet)

From 1167050491733177125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21db99b0a1aa7e0b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 16:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!sri-unix!hplabs!ucbvax!
UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: Re: Files not on Catalog
Message-ID: <8610100029.AA19813@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 19:36:00 EDT
Article-I.D.: ucbvax.8610100029.AA19813
Posted: Thu Oct 9 19:36:00 1986
Date-Received: Fri, 10-Oct-86 08:20:29 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 47

Date: Thu, 9 Oct 86 16:11 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: Re: Files not on Catalog
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

==========

> Does anyone know how to find out the names of files that do not
> show up when you type in CATALOG. I know they are on the disk.
> How do you go about accessing them?

There are 2 ways to do this, one of which is quite fallable but easy, one of which is surefire but difficult (both assume that the disk isn't copy-protected).

One way is to use Copy][+ or some such utility and use the 'undelete' facility (I am assuming that the files were deleted, or else how would the files be on the disk?)

The other way is fairly straightforward (once you get used to it). Again, assuming you have Copy][+, the first step is to do a disk map. Print this. Now look through the disk with the disk editor, in the non-marked sectors (if the files were in the marked sectors, they've been overwritten). What you are searching for is something like this:

12 0E 12 0D 12 0C 12 0B 12 0A 12 10 12 09 12 08 12 07 12 06 12 05 etc.

This is known as a "Track Sector map" (T/S map). The T/S map tells DOS where your file is stored at on the disk. In this case, the T/S map is undoubtably stored on track 12, sector 0F (most of the time, T/S maps are stored on sector 0F of a track). The first sector of the file is on track 12 0E, the next is on sector 0D, etc. Print this.
(track 11) by searching for the end of the catalog (start at sector 0F and

 ******   BACK   UP   YOUR   DISK BEFORE   DOING   ANY   MORE!! *****

Edit your catalog track (track 12) Find the appropriate sector by working backwards till you find a blank space.) Put in a name. Look at the other names, and you'll see there is a hexadecimal code for Binary, Text and Applesoft files. Put in the appropriate one (if you know what it is).
If you don't have the foggiest idea, then Binary is probably your best bet.
Now count the sectors (from the T/S list) and plug it into the catalog. You are done! Try to run it...

Patrick Ryan
D7314@UWAVM.BITNET

From -7818237829618454495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65b70c4d0f328540,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 17:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!clyde!cbatt!cbosgd!ucbvax!
BCVAX3.BITNET!BRESNAHA

From: BRESNAHA@BCVAX3.BITNET (Scott Bresnahan)
Newsgroups: net.micro.apple
Subject: RamDrive Software
Message-ID: <8610100132.AA20673@ucbvax.Berkeley.EDU>
Date: Thu, 9-Oct-86 20:20:00 EDT
Article-I.D.: ucbvax.8610100132.AA20673
Posted: Thu Oct 9 20:20:00 1986
Date-Received: Fri, 10-Oct-86 08:27:20 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 10

On the net, there was message stating that Nibble within the last nine
months, has published a program to utilize the extra memory of a
ramcard. I've seen all of the Nibbles, and do not recall seeing such
an article. If such a program is in print, please respond, but the
telling the Name of the magazine and the Month and Year. I really
would like to find a free ramdisk software. What about all you people
with 1 meg apples!! What do you use?

--Scott Bresnahan   (BRESNAHA@BCVAX3 via Bitnet)

From -441962856170661838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24b2f78c948505f9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-09 17:46:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!think!mit-eddie!genrad!decvax!
ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: buying the //gs
Message-ID: <546@sdcc18.ucsd.EDU>
Date: Thu, 9-Oct-86 20:46:20 EDT
Article-I.D.: sdcc18.546
Posted: Thu Oct 9 20:46:20 1986
Date-Received: Sat, 11-Oct-86 19:41:16 EDT
References: <316@husc6.HARVARD.EDU> <2110@ecsvax.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 14

In article <2110@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:
>If you program, Apple is coming out with a very powerful programming
>environment that supports Assembler, C and Pascal.

Yes, Apple is going to come out with a powerful programming
environment. But don't expect a good, powerful, bug-free, MPW-like
system right away, and don't expect Pascal for a long time to come.

Remember, the //GS is based on a new uP, and good development tools
aren't easy to create, even (or perhaps especially) for Apple.
Developers for the //gs have been going through significant amounts
of pain in working with Apple's development system.

Grobbins.

From -4119733790982693948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17864a79e36783ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 05:45:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!yale!husc6!rutgers!caip!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: uncatalogable files
Message-ID: <297@neoucom.UUCP>
Date: Fri, 10-Oct-86 08:45:08 EDT
Article-I.D.: neoucom.297
Posted: Fri Oct 10 08:45:08 1986
Date-Received: Sat, 11-Oct-86 20:45:57 EDT
References: <8610091954.AA15615@ucbvax.Berkeley.EDU>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 40
Summary: Control characters in the file name

Hi,

Most of the time the file name is a control or some other
unprintable / untypable character, presuming that the file is
allocated through the normal file system.

The best way to get at them is to use a sector editor.
There are a number of P/D disk editors. I think that you can also
get such things from companies like Beagle Brothers. Before you go
to work on your disk, it would be a good idea to get the (Pro) DOS
technical referece manual from Apple/Addison-Wesley and/or the
Beneath the Apple DOS and/or Beneath Apple ProDOS.

With a sector editor, you can read the sector(s) that
contain the catalog entries into memory and change the filename
fields to contain recognizable characters, and then rewrite to the
disk. Hopefully the disk you're sector zapping is a back-up of the
original!!

Sometimes, you can use DOS 3.3 "FID" or else the ProDOS
"FILER" to help you rename a file that you accidentally typed a
control character into the filename. Just specify the rename
option, and use the "=" wildcard. When the offensive file is
displayed as a blank line, or whatever, simply rename it; this

often works.

Some protected software uses blank filenames as a cover for sectors that they read and write directly. If you move the blank file, the original allocated sectors will be released in the sector bit map and possibly allocated to other files, thus cuasing corruption of the disk.

Hope this gives you a couple of ideas,
Bill

Bill Mayhew
Division of Basic Medical Sciences
Northeastern Ohio Universities' College of Medicine
Rootstown, OH 44272 USA phone: 216-325-2511
(wtm@neoucom.UUCP or ...!cbosgd!neoucom!wtm)

From -4650809003340269565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aabd3152eb4d4b4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 05:52:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!yale!husc6!rutgers!caip!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: Applied Engineering Card compatibility with //gs
Message-ID: <298@neoucom.UUCP>
Date: Fri, 10-Oct-86 08:52:47 EDT
Article-I.D.: neoucom.298
Posted: Fri Oct 10 08:52:47 1986
Date-Received: Sat, 11-Oct-86 20:46:11 EDT
References: <8610092248.AA18212@ucbvax.Berkeley.EDU>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 20
Summary: Did you disable the //gs internal slot

It's too bad that the SSC card doesn't work. I was kind of hoping it would, as much of my software depends on the 6551 rather than the Zilog serial I/O chip on the gs motherboard. I'm surpised that the SSC doesn't work, since its an Apple brand goodie, and they know that people are going to need downward compatibility with older comminucations programs for a while until new software comes out!

My questions are: 1. Did you make sure that you disabled the internal "virtual" slot in the preferences setup before installing the SSC? 2. Perhaps the SSC bombs becuase of the way the gs handles interrupts-- not interrupts again!

Bill

Bill Mayhew
Division of Basic Medical Sciences
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(wtm@neoucom.UUCP or ....!cbosgd!neoucom!wtm)

From -8811817916339777947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21db99b0a1aa7e0b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 08:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!ucbvax!nacho.DEC.COM!
binder
From: binder@nacho.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: Files not on Catalog
Message-ID: <8610101235.AA10741@decwrl.dec.com>
Date: Fri, 10-Oct-86 11:26:00 EDT
Article-I.D.: decwrl.8610101235.AA10741
Posted: Fri Oct 10 11:26:00 1986
Date-Received: Sat, 11-Oct-86 20:08:15 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 32

>> Does anyone know how to find out the names of files that do not
>> show up when you type in CATALOG. I know they are on the disk.
>> How do you go about accessing them?

> One way is to use Copy][+ or some such utility and use the 'undelete'
> facility (I am assuming that the files were deleted, or else how would the
> files be on the disk?)

The files would have been on the disk, but not necessarily in the normal way.
There are at least two simple ways I know of, to use things that won't show up
in the catalog. Both ways are usually applied to disks that come without copy
protection, to slow down pirates just a little.

1. The files could be there in a specific place on the disk that a named
    program knows about and can access directly via RWTS. If the disk is like
    this, then FID will miss copying the "hidden" files because it copies by
    catalog filenames. The Diversi-DOS master disk is made in this way, and
    the docs state explicitly that you must use COPYA to make backups.

2. The files could be in the catalog with nonprinting characters in the file
    names (^H etc) to cause the names not to be displayed. I have seen game
    disks like this, with the catalog actually jimmied up to put a "USE COPYA"
    warning on the screen.

There may be other tricks as well.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder
ARPA: binder%asd.DEC@decwrl.ARPA

From -6461963983497094445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17864a79e36783ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 11:01:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!yale!husc6!think!nike!ucbcad!ucbvax!sdcsvax!hp-sdd!ncr-sd!crash!hlb
From: hlb@crash.UUCP (Howard L. Brandell)
Newsgroups: net.micro.apple
Subject: Re: uncatalogable files
Message-ID: <316@crash.UUCP>
Date: Fri, 10-Oct-86 14:01:04 EDT
Article-I.D.: crash.316
Posted: Fri Oct 10 14:01:04 1986
Date-Received: Sat, 11-Oct-86 21:16:25 EDT
References: <8610091954.AA15615@ucbvax.Berkeley.EDU>
Reply-To: hlb@crash.UUCP (Howard L. Brandell)
Organization: Crash TS, El Cajon, CA
Lines: 3

You can try using COPY II+ of course and another method is to boot DOS 3.3
and enter CALL 42350. I don't know the call for ProDOS.

From 5545916836954738920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eff8bbeb0c1bb492,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 11:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!ucbcad!ucbvax!ULKYVX.BITNET!LMLARS01
From: LMLARS01@ULKYVX.BITNET
Newsgroups: net.micro.apple
Subject: card compatibility
Message-ID: <8610102302.AA09272@ucbvax.Berkeley.EDU>
Date: Fri, 10-Oct-86 14:04:00 EDT
Article-I.D.: ucbvax.8610102302.AA09272
Posted: Fri Oct 10 14:04:00 1986
Date-Received: Sat, 11-Oct-86 20:54:30 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of Louisville
Lines: 16

There has been a lot of speculation here about what cards will and won't work in the GS. No auxiliary slot memory card for the //e will work in the GS. No card which uses phantom slotting will work in the GS. Some old coprocessor cards will fail because of the increased clock speed, but it won't hurt anything to try one. The Super Serial Card does work in the GS (...but remember to set the control panel!) so much of the old communications software, which uses the SSC ACIA directly can be made to run. (I have run AE Pro, for example. AE Pro does not work through the GS serial ports, however.)

These problems will soon be eliminated because newer and better versions of programs like AE Pro and Softerm][are already making the rounds.

There is one other thing to keep in mind. If you have software, under ProDOS, which depends on a clock, ProDOS 1.1.1 won't find the GS clock. There are two solutions: (1) Stick your old ThunderClone in the GS; or, (2) Slip ProDos 8 onto your disk in place of ProDos 1.1.1.

From -1455377923774144510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba755e39d79ab82f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 11:19:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!ucbcad!ucbvax!BRL.ARPA!abc
From: abc@BRL.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Re: to Upgrade, or not to Upgrade, that is the question!
Message-ID: <8610102141.AA08083@ucbvax.Berkeley.EDU>
Date: Fri, 10-Oct-86 14:19:46 EDT
Article-I.D.: ucbvax.8610102141.AA08083
Posted: Fri Oct 10 14:19:46 1986
Date-Received: Sat, 11-Oct-86 20:53:36 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 43

Tamir Weiner asks whether to update or keep is Apple II+ and 'live in 1979.'

What about us? My wife has an Apple IIe, 2 drives, RS-232 board and printer interface, also a printer. She owns this machine for compatibility with her professional environment.

She is a public school teacher of children in Grade 4. Her school is about to get a 'computer laboratory' consisting ultimately of 12 Apple IIe machines connected via a 'network.' The master machine will have mass storage from which programs will be downloaded to the other 11. Five of these already have their own floppy drives and can, thus, stand alone.

Are 8-bit machines obsolete? Should our schools throw out their Apple

IIe investment for "larger" machines.

Public school systems are never at the cutting edge in anything.
Educators are generally conservative, and local government is least
likely of any level to put new and expensive items in its budgets.

Perhaps our existing machines are not as "obsolete" as the industry
would have us believe. If they still do useful work for us, are
they obsolete?

In my work, I have access to Goulds and Vaxen of every description.
Soon, that will include a Cray XMP-48 and, next year, a "Cray 2 class"
machine. We have a second telephone line at home so that I have
unlimited access to this 'stable.' A SUN workstation at home would be
wonderful! But we have a IIe and a couple of CP/M machines. They do
what we need.

Tamir, if one were purchasing his/her first computer, I'd not recommend
a IIGS or anything less than a Mac/Amiga/PC-AT level machine. But you
have a computer; so do I. The question for both of us is: What do we
want to do at home that our present hardware won't do? What's the
cheapest/easiest/quickest way to get that capability?

If your II+ connects you to a state-of-the-art machine somewhere
else, you're hardly living in 1979!

Brint

From -1856800005220947821
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17864a79e36783ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 11:46:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!rutgers!princeton!allegra!ulysses!bellcore!
petrus!magic!science!bambi!joevax!sdh
From: sdh@joevax.UUCP (The Doctor)
Newsgroups: net.micro.apple
Subject: Re: uncatalogable files
Message-ID: <312@joevax.UUCP>
Date: Fri, 10-Oct-86 14:46:20 EDT
Article-I.D.: joevax.312
Posted: Fri Oct 10 14:46:20 1986
Date-Received: Sat, 11-Oct-86 20:48:12 EDT
References: <8610091954.AA15615@ucbvax.Berkeley.EDU>
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 40

> Does anyone know how to find out the names of files that do not
> show up when you type in CATALOG. I know they are on the disk.
> How do you go about accessing them?
>

There are two types of files:
1) files that are part of the normal catalog, but have control characters embedded in them to prevent you from seeing them, for example,
*B 005 FILEhhhhhhhhhhh
where h stands for backspace will show thw filename as a blank.
To see the file, just type
SPEED = 0
at the applesoft prompt, and it will slow the output down so you can see the file name and then see it erased. You will not be able to see other control characters, though.
Solution 2:
There is a program in the original DOS 3.2 manual (it may be in the 3.3 manual too) that is an assembly language subroutine that intercepts the output and changes control characters to inverse. This works like a dream.
Solution 3: Use a disk scanning program to view the catalog (traditionally on track $11) and it should be able to show you all the control characters. You should then be able to change them to printing characters.
NOTE: if you change the finle name, you may have to change it back or things might not work at all.

2) the second kind of invisible file has no entry in the catalog. It exists on the disk as a normal file, and has the sectors allocated for it removed from the Volume Table of Contents (VTOC). Whenever you delete a file, it removes it from the directory, and frees up the sectors it used in the VTOC. When these files are created, they usually create the file normally, the delete it, and put back its entry in the VTOC. These are harder to find since you must know where to look first. You will need a disk scanning program to do this. If you do not understand how DOS 3.3 disk are formatted and how files are stored DO NOT attempt to poke around things this way, unless you make copies of what you're looking at. It is VERY easy to kill disks doing this. Read the DOS 3.3 manual first, or Beneath Apple DOS.

Steve Hawley
joevax!sdh

From -7514144031227277265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba755e39d79ab82f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 12:30:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!husc6!panda!genrad!decvax!ucbvax!
WEIZMANN.BITNET!UMFORTH
From: UMFORTH@WEIZMANN.BITNET (Tamir Weiner)
Newsgroups: net.micro.apple
Subject: to Upgrade, or not to Upgrade, that is the question!
Message-ID: <8610101927.AA05994@ucbvax.Berkeley.EDU>
Date: Fri, 10-Oct-86 15:30:14 EDT
Article-I.D.: ucbvax.8610101927.AA05994
Posted: Fri Oct 10 15:30:14 1986

Date-Received: Sat, 11-Oct-86 20:26:22 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 59

After the flurry of //gs reviews and info, the occassional comparison
to the Mac and/or the Amiga, I wish to put this question out there on
the net for anyone who thinks they have a constructive, or merely
creative answer.

I have an Apple II+ with extra memory, modified keyboard, two standard
floppies, and a plain vanilla color monitor (w/o an 80 column card).

I used to use the thing heavily for programming, correspondence (word
processing), reports when I was still a student, relaxation (i.e. games)
I learned a lot from the old clunker, and got introduced to the world of
computers courtesy of the Apple's oldest creation and certainly the best
micro of its day. I laid out tons of money to get in on the game in the
late 70's but haven't regretted the decision for a second. But now...

These days I work professionally in a computer related profession. I write
documentation and do some layout design for technical publication for a
living. For this my company supplies a MacIntosh.

For work and a bit of fun, I also dabble using a variety of VAXen, and an
IBM mainframe as well. Much of the fun is realted to telecommunications.

These days, my II+ helps me telecommute from home a bit, and is used for
some personal correspondence, and personal finance stuff, but not much
more than that....

So what does one do with a personal micro that is fairly dated, but still
useful. Do I buy various cards (80 column card, co-processor cards, etc.)
to keep my machine somewhat up to date?
or do I sell/give away the old faithful and get up the cash to go the //gs
route, or an Amiga, or even a Mac if I feel rich.

The guys at work spend nearly every coffee break/lunch hour debating what
micro to buy and it's always a toss up between an Amiga and an Atari 1040st.
(very few non-business users here in Israel can afford the Mac
with its high oveseas markups).
The //gs hasen't hit the market yet, we'll see if she enters the running.

I'm really up in the air about starting an affair with
a fancy multi-tasking, speed demon game machine, or just curling up with
my II+ and enjoying playing old games, using it as a connection to the
mainframe, and living blissfully in 1979. What does one do?.....

If I wait for a few more years, I can donate my II+ to the local
science museum and go out and buy a $700.00 special micro-micro
with a minimum configuration of
16 Megs of RAM, 100 Megs of optical read/write storage,
virtual memory as well as multi-tasking, full standard multiple windowing

built into the operating system, basic 2000 X 2000 pixels bit mapped color graphics on a 1 inch flat color screen display -- which all of course will fit into my briefcase, and run forever on solar cells.

Or I can take the plunge today, put up with buggy operating systems, constant new releases, multi-tasking, 600 X 400 bit mapped color graphics and have fun today rather than wait for another N+1 number of years for that super dream system.

Who votes to buy today, and the hell with virtual memory and read/write optical disks that fit in your pocket!??

From 8225661278391116485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d60c6fbe4ef73e64,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 14:59:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!ucbcad!ucbvax!BRILLIG.UMD.EDU!don
From: don@BRILLIG.UMD.EDU (Don Hopkins)
Newsgroups: net.micro.apple
Subject: //gs C compiler
Message-ID: <8610102159.AA23614@brillig.umd.edu>
Date: Fri, 10-Oct-86 17:59:24 EDT
Article-I.D.: brillig.8610102159.AA23614
Posted: Fri Oct 10 17:59:24 1986
Date-Received: Sat, 11-Oct-86 20:53:56 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 3

Who has used Apple's C compiler for the //gs? I would like to know some details about it ...
     -Don

From -8504678346243203586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,51341c531f9507a7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-10 19:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!think!nike!ucbcad!ucbvax!LLL-MFE.ARPA!
SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Mouse software woes
Message-ID: <8610110215.AA12955@ucbvax.Berkeley.EDU>
Date: Fri, 10-Oct-86 22:39:00 EDT
Article-I.D.: ucbvax.8610110215.AA12955
Posted: Fri Oct 10 22:39:00 1986
Date-Received: Sat, 11-Oct-86 20:32:36 EDT

Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 29

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Fri, 10-OCT-1986 21:40 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].EFFFA300.008F63F1.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

Find a friend with a WildCard back-up system. It takes a hardware
interrupt to a card-resident ROM routine that saves everything off
to DOSable files, and saves the PC. Once it's broken this way, you
just load up the memory, restore the stack and all of the registers,
and jump start through the PC (it's all taken care of via software).
These cards can be had for around $50 or so I think - which might be
a good investment since you probably have other things that won't
cooperate with your Sider.

Outside of that, take a copy of your disks to an Apple guru and hack
away. If you're hard up I can maybe point you at some tools or help
out. Recommended is the "Beneath Apple [DOS | ProDOS]" books from
Quality software... they're appearing in B. Dalton's recently for
ProDOS or Waldenbooks - I forget which.

Good luck, Jim. This disk will self-destruct in five seconds...
four... three..

Richard
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From 7359199477928138829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7f893ee0b4b8734,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 07:32:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!AI.WISC.EDU!neves
From: neves@AI.WISC.EDU ("David M. Neves")
Newsgroups: net.micro.apple
Subject: //GS addressing and add on memory?
Message-ID: <8610111432.AA01300@ai.wisc.edu>
Date: Sat, 11-Oct-86 10:32:06 EDT
Article-I.D.: ai.8610111432.AA01300
Posted: Sat Oct 11 10:32:06 1986
Date-Received: Sat, 11-Oct-86 21:38:26 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

I have heard that the //GS has a 16 meg address space but also that it
breaks memory up in 64K chunks. What I want to know is can I define
big arrays (~ 1 megabyte) in C or Pascal or will I be restricted to
arrays of size 64K (as you often see in IBM languages)?

Also, supposedly there is a single memory slot board that can be
populated with 1 megabyte using 256K chips and 4 megabytes using 1 meg
chips. What about this theoretical 8 megabyte limit? How is that
achieved? Through 3rd party vendors?

-David

From -4437489804697201833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20c18c73f34c3231,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 14:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!convex!yenne
From: yenne@convex.UUCP
Newsgroups: net.micro.apple
Subject: Mailing
Message-ID: <26400004@convex>
Date: Sat, 11-Oct-86 17:04:00 EDT
Article-I.D.: convex.26400004
Posted: Sat Oct 11 17:04:00 1986
Date-Received: Tue, 14-Oct-86 05:25:08 EDT
Lines: 7
Nf-ID: #N:convex:26400004:000:165
Nf-From: convex.UUCP!yenne   Oct 11 16:04:00 1986

How would one go about getting on the mailing list for this notesfile?
I'm at yenne@convext normally, but can be reached at yenne@convex.

                -thanx
.

From 3162293159492455436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 15:18:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <547@sdcc18.ucsd.EDU>

Date: Sat, 11-Oct-86 18:18:19 EDT
Article-I.D.: sdcc18.547
Posted: Sat Oct 11 18:18:19 1986
Date-Received: Sun, 12-Oct-86 02:07:47 EDT
References: <673@sphinx.UChicago.UUCP> <3600002@ntvax> <693@sphinx.UChicago.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 28
Keywords: Of Mice and Machines

In article <693@sphinx.UChicago.UUCP> god3@sphinx.UUCP (Peter Godwin) writes:
>Rumor has it that the user of the //GS will have the option
>of making selections either via mouse or keyboard... similar to
>the Option - letter method used on the Mac. In fact, the open
>(or is it closed, I forget) apple key has been changed to the
>Option key.. and commands such as "eject" can be entered as option-e
>or something similar to that.

The open-apple key is now the same as the command key on
Mac/Apple II keyboards. The Closed apple key has been replaced by the
Option key. Pull-down menus should support Open-apple key
equivalents the same way Mac programs support command-key
equivalents. Individual programs may also provide an arrow-key
way to look at & select from the menus (totally obliviating the need
for the mouse.)

Also, note that the IIgs has a completely new kind of mouse from
Apple, which is not compatible with the previous Mac/Lisa mice and
which, significantly, plugs into the keyboard (the Front-Desk Bus)
rather than into a special Mouse port. Hopefully, third-party
developers will provide keyboards & mice to replace the ones on the
IIgs that have such godawful feel. (Apple should be ashamed of
itself for releasing such poorly designed data entry peripherals,
but deserves applause for providing the bus for them.)

Grobbins.

From -5852108272015750026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7f893ee0b4b8734
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 15:26:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: //GS addressing and add on memory?
Message-ID: <548@sdcc18.ucsd.EDU>
Date: Sat, 11-Oct-86 18:26:36 EDT
Article-I.D.: sdcc18.548

Posted: Sat Oct 11 18:26:36 1986
Date-Received: Sun, 12-Oct-86 02:08:00 EDT
References: <8610111432.AA01300@ai.wisc.edu>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 15

In article <8610111432.AA01300@ai.wisc.edu> neves@AI.WISC.EDU ("David M. Neves") writes:
>I have heard that the //GS has a 16 meg address space but also that it
>breaks memory up in 64K chunks. What I want to know is can I define
>big arrays (~ 1 megabyte) in C or Pascal or will I be restricted to
>arrays of size 64K (as you often see in IBM languages)?

The 65816 sees memory as 64K banks selected by two 8-bit registers.
(A completely specified address is 8+16=24 bits long.)
Though the Memory Manager in the //gs has no trouble dealing with
chunks of memory larger than 64K, compilers may nevertheless hold
program variables to that limit. 64K is the largest array index the
chip conveniently supports. (The X and Y registers are 16 bits
long.)

Grobbins.

From 3337080559892961317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2230b7d67400bc5b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 16:07:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!sdcsvax!noscvax!cod!medin
From: medin@cod.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Re: Please add to list
Message-ID: <175@cod.UUCP>
Date: Sat, 11-Oct-86 19:07:26 EDT
Article-I.D.: cod.175
Posted: Sat Oct 11 19:07:26 1986
Date-Received: Sun, 12-Oct-86 02:08:13 EDT
References: <8610090359.AA00529@ucbvax.Berkeley.EDU>
Reply-To: medin@cod.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 12

In article <8610090359.AA00529@ucbvax.Berkeley.EDU> mhoward@WHEELER-EMH.ARPA writes:
>Please add "jhaney@Wheeler-EMH" to info apple. This
>is his third request.
>
>Thanks in advance,
>
>Matt

Well i hope you suceed and if you do can you get me on the list. I have been trying for months and have given up counting how many requests.

Ted

mailing address "medin@nosc.arpa"

From -5073841126781090490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,282a4c4dea14464e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 16:20:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!panda!genrad!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: SSC in a //GS
Message-ID: <4260@reed.UUCP>
Date: Sat, 11-Oct-86 19:20:54 EDT
Article-I.D.: reed.4260
Posted: Sat Oct 11 19:20:54 1986
Date-Received: Sun, 12-Oct-86 02:06:24 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 10

It is my understanding (from 4 publications about the //GS) that the SSC will indeed work in a //GS, at very least in //e mode. What most people are saying lately is that it won't. The software written explicitly for the SSC won't work on the GS ports. If you want to run AE or whatever, you can pop a SSC in and set the control panel.

Sean Kamath

kamath@reed.UUCP

From -7438290732635939695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,16a3fdd5967b7a00,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 16:45:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!husc6!rutgers!lll-crg!nike!ucbcad!zen!
buddy.Berkeley.EDU!c9c-bi
From: c9c-bi@buddy.Berkeley.EDU (Jonathan Dubman)
Newsgroups: net.micro.apple
Subject: Z80-card Questions
Message-ID: <554@zen.BERKELEY.EDU>
Date: Sat, 11-Oct-86 19:45:26 EDT
Article-I.D.: zen.554
Posted: Sat Oct 11 19:45:26 1986

Date-Received: Sat, 11-Oct-86 22:32:43 EDT
Sender: news@zen.BERKELEY.EDU
Reply-To: c9c-bi@buddy.Berkeley.EDU (Jonathan Dubman)
Organization: University of California, Berkeley
Lines: 31

I am curently homebrewing a Z80A-based microcomputer and I'm tired of
hand-assembling the operaing system. I could really use a Z80 Assembler.
I presume the best way to get one is to get a Z80 card.

Questions:

1. I have seen Z80 cards for as low as $29 mail-order. Applied Engineering
   sells their 6.0 MhZ version for $140. Is there a difference besides the
   speed?
2. How fast do normal Z80 cards go anyway? 2.5 MhZ or 1.0 MhZ?
3. What are the differences between different versions of CP/M? I have
   heard of 1.6, 2.2, and higher versions.
4. Do all versions of CP/M run on all normal Z80 cards?
5. Are any cards slot-dependent?
6. How compatible is CP/M with the Videx 80 column cards? More than 80
   column? (Like Videx Ultraterm, which I have.)
7. Is CP/M public domain or do you have to buy it from somewhere?
   Who makes it for the Apple. Digital Research?
8. Can I transfer files from CP/M to DOS 3.3 and back? I have in mind
   text files and binary files. I need to take the output of the
   assembler and get into the Apple Monitor to write it on an EPROM.
9. Anyone know of a good Z80 Assembler and where to get it? Public
   Domain? It must support Z80 opcodes (not 8080) and all Z80 instructions.
   How do you create files for the assembler? With WordStar or editor built
   into the assembler?

Thanks very much. I hope some Apple aficianados out there can help me
out in my confusion.

     -Jonathan Dubman
     ucbvax!buddy!c9c-bi

From 1477660801428863499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,10fbab92b18d9687,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-11 19:25:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!BRL.ARPA!abc
From: abc@BRL.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Re: HELP! Apple Speedscript
Message-ID: <8610120254.AA29827@ucbvax.Berkeley.EDU>
Date: Sat, 11-Oct-86 22:25:29 EDT
Article-I.D.: ucbvax.8610120254.AA29827
Posted: Sat Oct 11 22:25:29 1986

Date-Received: Sun, 12-Oct-86 02:07:18 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 8

[gviernes@wheeler-emh.ARPA] writes that Newsroom wouldn't run on his IIE
until he had the enhancement kit installed.

     My wife regularly runs Newsroom on her IIE and it is definitely
unenhanced. She has had the machine since Sep, 1983.

Brint

From -5521084310342466874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b33f61024a31aebb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-12 14:01:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!convex!mcomp!p40001
From: p40001@mcomp.UUCP
Newsgroups: net.micro.apple
Subject: Re: Applied Engineering Card compatibil
Message-ID: <10100009@mcomp>
Date: Sun, 12-Oct-86 17:01:00 EDT
Article-I.D.: mcomp.10100009
Posted: Sun Oct 12 17:01:00 1986
Date-Received: Fri, 17-Oct-86 07:14:45 EDT
Lines: 34
Nf-ID: #R:<8610092248.AA18212@ucbvax.Berke:-40:mcomp:10100009:000:1656
Nf-From: mcomp.UUCP!p40001   Oct 12 16:01:00 1986

> /* ---------- "Applied Engineering Card compatibil" ---------- */
> > I heard that it was 90% software compatible
> > with the //e emulation mode and all the hardware expect the aple ssc
> > and the applied engineering cards worked. the ssc didn't work because of
> > a different communications chip that was in the gs, while the ae card were
> > some unknow reason at the time.
>
> Which AE card was this?
> Thanks
> Chris

It is my understanding that

1. SOFTWARE for the SSC will not work on the basic //GS IF IT DIRECTLY
   MANIPULATES THE COMMUNICATIONS CHIP on the SSC, because the com chip
   in the built-in serial ports is different. However, if you put a SSC into the
   //GS, and disable the builtin ports, it will work, and any software which

   used the published commands for the SSC (see SSC manual) should still work
   even with the builtin ports..

2. The AE cards that don't work are the ones for the AUXILIARY slot, i.e. the
   slot in the middle of the //e motherboard, right next to the power supply
   (in US machines, or lined up with slot 3 in European machines). This is
   simply because the //GS does not have that particular slot. Thus, the
   AE Ramworks (both models) and any //e 80-column cards will not work in the
   //GS. HOWEVER, AE Ramfactor cards, and any other cards compatible with the
   Apple 1MB expansion card, which plug into one of the normal expansion slots
   1-7, should work with the //GS.

Wolf N. Paul, 290 Dogwood, Plano, Tx. 75075
UUCP: ihnp4!convex!mcomp!doulos!wnp
  or   ihnp4!convex!mcomp!p40001
Phone: (214) 578-8023 W.U.ESL: 6283-2882

From 4597167323160016604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21ae5b8e02f24e76
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 06:02:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!whuxcc!lcuxlm!akgua!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: MouseCalc and Mouse Word from International Solutions
Message-ID: <2122@ecsvax.UUCP>
Date: Mon, 13-Oct-86 09:02:59 EDT
Article-I.D.: ecsvax.2122
Posted: Mon Oct 13 09:02:59 1986
Date-Received: Fri, 17-Oct-86 07:54:22 EDT
References: <12245220050.72.JOSEPH@RED.RUTGERS.EDU>
Organization: UNC Educational Computing Service
Lines: 24

> Does anyone out there have the uncopy-protected versions of either
> of these programs? I can prove I am a legal owner, I can send you
> pictures of me posing next to the original disks and packages, anything
> you want.   Please help me from taking a total loss on these.
>
> If you can give me instructions on how to remove the copy protection
> from the disks I have now, That would also help.
>
> Thanks in advance.
>
>
>   Seymour Joseph
>   <Joseph@Rutgers>
> -------

I don't know if this will help but International Solutions was selling

products of a French company called Version-Soft. Version-Soft is still
in business because they have a program out for the //gs. Their stuff
is being distributed by Activision. Maybe Activision can help you either
get the upgrade or put you in touch with someone at Version-Soft who can
get you the upgrade.

Rick
ranger@ecsvax

From -5959785976573964133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aabd3152eb4d4b4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 06:09:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!whuxcc!lcuxlm!akgua!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Applied Engineering Card compatibility with //gs
Message-ID: <2123@ecsvax.UUCP>
Date: Mon, 13-Oct-86 09:09:01 EDT
Article-I.D.: ecsvax.2123
Posted: Mon Oct 13 09:09:01 1986
Date-Received: Fri, 17-Oct-86 07:54:47 EDT
References: <8610092248.AA18212@ucbvax.Berkeley.EDU>
Organization: UNC Educational Computing Service
Lines: 11

> > I heard that it was 90% software compatible
> > with the //e emulation mode and all the hardware expect the aple ssc
> > and the applied engineering cards worked. the ssc didn't work because of
> > a different communications chip that was in the gs, while the ae card were
> > some unknow reason at the time.
>
> Which AE card was this?
> Thanks
> Chris

Probably the Ramfactor slot 1-7 card (Aux slot cards DON'T work).

From 6851746440180413814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24b2f78c948505f9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 06:23:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!whuxcc!lcuxlm!akgua!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: buying the //gs
Message-ID: <2124@ecsvax.UUCP>

Date: Mon, 13-Oct-86 09:23:59 EDT
Article-I.D.: ecsvax.2124
Posted: Mon Oct 13 09:23:59 1986
Date-Received: Fri, 17-Oct-86 07:55:23 EDT
References: <316@husc6.HARVARD.EDU> <2110@ecsvax.UUCP> <546@sdcc18.ucsd.EDU>
Distribution: net
Organization: UNC Educational Computing Service
Lines: 31

> In article <2110@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:
> >If you program, Apple is coming out with a very powerful programming
> >environment that supports Assembler, C and Pascal.
>
> Yes, Apple is going to come out with a powerful programming
> environment. But don't expect a good, powerful, bug-free, MPW-like
> system right away, and don't expect Pascal for a long time to come.
>
> Remember, the //GS is based on a new uP, and good development tools
> aren't easy to create, even (or perhaps especially) for Apple.
> Developers for the //gs have been going through significant amounts
> of pain in working with Apple's development system.
>
> Grobbins.

Good Point, the development system is being sent out but is not in its
final form yet. Apple says C and assembler are nearly ready but work
has just started on Pascal so it will be awhile.

Although the processor is new, it is not that different from the 6502
in terms of writing assembler, the same ole stuff plus some new, nice
features. The new features are where the power is but it still is not
like learning a new uP from the ground up.

I expect new stuff will start to come out quickly, six months to a year
rather than a year to 18 months (as with a new Machine like the Mac or
Amiga) because there are a lot of 6502 programmers out there and they

Rick Fincher
ranger@ecsvax
smell money out there in programming for this new machine.

From 3974019358500374126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d8c4a3986f4c4afa,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,e2dc0a73b5623642
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1986-10-13 07:16:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!lll-crg!seismo!rochester!pt.cs.cmu.edu!
ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)

Newsgroups: net.micro.cpm,net.micro.apple
Subject: Query: Z-system availability on Kache Systems' HD64180 board
Message-ID: <1031@ius2.cs.cmu.edu>
Date: Mon, 13-Oct-86 10:16:50 EDT
Article-I.D.: ius2.1031
Posted: Mon Oct 13 10:16:50 1986
Date-Received: Tue, 14-Oct-86 05:20:15 EDT
References: <4548@brl-smoke.ARPA>
Organization: Carnegie-Mellon University, CS/RI
Lines: 13
Xref: watmath net.micro.cpm:6048 net.micro.apple:3206

Is it possible to run Z-System on the Kache Systems HD64180 board?
(It plug into the Apple][bus and offers 256K memory, expandable to 512K
or 1 meg, parallel port, serial port, etc.)

Seems like it would be well-matched to the //GS, if multitasking under the
Z-system will really be supported. (Apple doesn't seem anxious to support
it on any of their machines.)
--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@ius2.cs.cmu.edu   Phone: (412) 268-2847 [CMU-BUGS], 268-3275
Amateur Radio: KA3PLY (c/o W3VC, CMU Radio Club) [packet mailbox coming soon!]
Fido: Ralph Hyre at Pitt-Net [don't log in very often]

From -8906879271803287264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f24baee8c7b467,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 09:36:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!XEROX.COM!
Thomka.OsbuSouth
From: Thomka.OsbuSouth@XEROX.COM
Newsgroups: net.micro.apple
Subject: Re: to Upgrade, or not to Upgrade
Message-ID: <861013-093840-1094@Xerox>
Date: Mon, 13-Oct-86 12:36:35 EDT
Article-I.D.: Xerox.861013-093840-1094
Posted: Mon Oct 13 12:36:35 1986
Date-Received: Tue, 14-Oct-86 06:08:47 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 38

Golly Tamir,
If it weren't for that comment about being in Israel, I would have
thought that I wrote your message. I have similar thoughts and
uncertainties myself. After seeing the horsepower and capability of the
Amiga I am a bit disapointed in what Apple has come up with in the //gs.

I've had my old][+ for years, have learned a lot for the old friend and now to consider a new machine, especially one with a different nameplate, seems like being a traitor. I could keep the old friend around but it would only be a dust catcher with any new machine, of any name, around.

The easiest path of upgrade would be to go to the //gs, and I know that there will always be third parties out there that could manufacture boards to further enhance the capabilities of the //gs into the next century. But then there is still that old problem of compatability. I mean, I have friends that manufacture a board that increases the resolution of the Apple IIseries to 640Hx384V (half page) (or 640Hx768V via scrolling to second half). But it wouldn't be recognized by most of the software out there.

The problem with the Amiga is that I am still not sure that it is a stable company. I would love to have one of their machines, knowing that there will always be software aroud for it (as with the Apple), but how can I feel that way with a company that disaster rumors abound?

But your problem may be simpler than mine. After all you are in Israel, you are a bit more removed from the mainstream of latest hardware and software. You can't afford to be stuck with an orphan machine. I believe the best new machine may be the Apple (or drat, a PC/XT/AT clone). To get an Amiga, even if they do remain in business, leaves you fairly far removed from any new releases. Of course, I could be wrong about the remoteness of Israel, and if so I apologize right now and plead ignorance.

I hope whatever computer you do choose, it lives long and properous.

     Chuck

From 6961276191952913334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,848d3887bd79ecaf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 10:08:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!houxm!homxb!tlpmp
From: tlpmp@homxb.UUCP (Penrod)
Newsgroups: net.micro.apple
Subject: Applied Engineering RamFactor Card
Message-ID: <2028@homxb.UUCP>
Date: Mon, 13-Oct-86 13:08:30 EDT
Article-I.D.: homxb.2028
Posted: Mon Oct 13 13:08:30 1986
Date-Received: Tue, 14-Oct-86 06:32:26 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 40

To make my Apple][e even more useful to my family (and me),

I have been considering ways that we can make our favorite applications programs more easily accessible. This is becoming mor important to me as my wife has a progreesive illness, and although she likes to us the computer for church related activities, handling floppies is becoming more difficult for her. Therefore, I've been thinking along the lines of a hard disk until I saw an ad for the RamFactor card from Applied Engineering. I spoke with a technical support type at AE, and the RamFactor may be just what we're looking for. I already have the RamWorks II with 640K RAM and the Transwarp (AE) accelerator. The applications we use 95% of the time include:

1. Appleworks (expanded for the RamWorks II)
2. Dollars and Sense (128K, non-copy protected)
3. Print Shop

I would like to load these into the RamFactor (with battery backup) so that the family could get virtually instantaneous access to the applications. I understand from talking with Broaderbund that their policy is not to support easy access to their software, so its questionable if Print Shop could be loaded.

My question is for anyone out there with RamFactor experience. Is my "dream" achievable with Appleworks and the non-copy protected Dollars & Sense? Any input about this would be appreciated.

By the way. With the expanded RAM from the RamWorks, a 3.5MHz clock from the Transwarp, and a battery backed up RamDrive, it seems the][e really becomes super-useful. How close to the][gs would an '816 processor upgrade to the RamWorks card and an added sound board make the above][e configuration?

Terry Penrod
AT&T Network Systems
Holmdel, NJ

From -2728661298927702211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba755e39d79ab82f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-13 11:09:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!
k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: to Upgrade, or not to Upgrade, that is the question!
Message-ID: <1547@k.cc.purdue.edu>

Date: Mon, 13-Oct-86 14:09:23 EDT
Article-I.D.: k.1547
Posted: Mon Oct 13 14:09:23 1986
Date-Received: Tue, 14-Oct-86 06:46:47 EDT
References: <8610102141.AA08083@ucbvax.Berkeley.EDU>
Organization: Purdue University Computing Center
Lines: 53
Summary: Upgrades should be based on your needs...

In article <8610102141.AA08083@ucbvax.Berkeley.EDU>, abc@BRL.ARPA (Brint Cooper) writes:
>
> Tamir Weiner asks whether to update or keep is Apple II+ and 'live in
> 1979.'
>
> What about us? My wife has an Apple IIe, 2 drives, RS-232 board and
> printer interface, also a printer. She owns this machine for
> compatibility with her professional environment.
>
> She is a public school teacher of children in Grade 4. Her school is
> about to get a 'computer laboratory' consisting ultimately of 12 Apple
> IIe machines connected via a 'network.'

> Are 8-bit machines obsolete? Should our schools throw out their Apple
> IIe investment for "larger" machines.

8-bit machines should never become obsolete for elementary education. Since they will come down in price soon, they will be ideal. These machines have been satisfying serious programmers and businesses for years and still do. They should be more than sufficient to introduce 12 year-olds to the world of computing.

> Perhaps our existing machines are not as "obsolete" as the industry
> would have us believe. If they still do useful work for us, are
> they obsolete?

Good point.

> Tamir, if one were purchasing his/her first computer, I'd not recommend
> a IIGS or anything less than a Mac/Amiga/PC-AT level machine. But you
> have a computer; so do I. The question for both of us is: What do we
> want to do at home that our present hardware won't do? What's the
> cheapest/easiest/quickest way to get that capability?
>
> Brint

More good points, however the question is also about whether it is better to upgrade or buy new. I own an Apple //e and would not dream of selling it. Unfortunately, continuous upgrades bring with them the risk of incompatability. If I had a choice between upgrading my //e to a mac class computer, or buying a mac for $500-$1000 more, I would save my pennies and buy the mac (actually, I can't stand mac's, it is present in this missive for illustrative purposes only!!). It is important to remember that you may need new capabilities later

on and you need to guarantee that you don't have to spend even MORE on the upgrade to get the capabilities you should have gotten with the first. The important points here are to consider what you NEED or WANT and if your present system supports those needs then hang on to it. On the other hand, if you require more than what you have now, (like multitasking or large data base applications) I would seriously consider buying new. By the time you have invested in all the upgrades, you may have spent enough to buy new AND guarantee compatibility.

Colin

From 4973014163763710498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30c09a3293f0f3a1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-23 20:59:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!ll-xn!mit-eddie!genrad!decvax!ucbvax!sdcsvax!
sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: Apple //gs shipping
Message-ID: <558@sdcc18.ucsd.EDU>
Date: Thu, 23-Oct-86 23:59:24 EDT
Article-I.D.: sdcc18.558
Posted: Thu Oct 23 23:59:24 1986
Date-Received: Sat, 25-Oct-86 05:42:59 EDT
References: <690@zen.BERKELEY.EDU>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Distribution: net
Organization: U.C. San Diego
Lines: 15
Keywords: //GS

In article <690@zen.BERKELEY.EDU> c160-ed@zooey.Berkeley.EDU.UUCP (Norman Fong)
writes:
>... The prodos 16 software seems to take a
>year and a half to load on the 3.5" disks.

Remember, ProDOS 16 v1.0 is nothing more than ProDOS 8, with a shell
to convert ProDOS 16-format calls into ProDOS 8-format calls.
It'll be a while before that situation changes.

>Are there any languages shipping? ie. is TML pascal shipping or
>betas of APW from APDA?

C'mon, the miniassembler is built in, what other programming
tool could you really want?

Grobbins.

From -2747550803503539975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f4831d9d22cb161,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 02:14:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!tektronix!hplabs!hp-sdd!sdcsvax!sdcc6!sdcc7!ln63fzm
From: ln63fzm@sdcc7.UUCP
Newsgroups: net.micro.apple
Subject: making a terminal of an apple][, next purchase
Message-ID: <561@sdcc7.ucsd.EDU>
Date: Fri, 24-Oct-86 05:14:06 EDT
Article-I.D.: sdcc7.561
Posted: Fri Oct 24 05:14:06 1986
Date-Received: Sat, 25-Oct-86 14:17:42 EDT
Distribution: na
Organization: University of California, San Diego
Lines: 30
Keywords: apple][, terminal, advice

Sorry for this diversion away from the current //gs talk, but I have a
request... actually, a couple...

I would appreciate any information any apple-wizards on the net might have
about turning my apple][(thats apple][{blank,plain,regular}) into a
serious terminal. I have a hayes compatible external modem, a primitive,
but workable serial card, and a videx-compatible 80-column card...

I could write the necessary software, if necessary (6502 assembler, gack!)
but not desirable, but the big stumbling block is the old][']s keyboard...
no lower case, no special characters, etc... my question is, is there a
keyboard that i can just plug in (hopefully detachable) that will address
my needs? how easy would it be to hardware hack one of the ibm compatible
keyboards out now to work? please e-mail any comments you might have to me,
as it seems the ol' apple][has gone pretty quiet on the net...

Also, i may be coming into some money soon and would like to hear people's
opinions on going to the //gs as opposed to the ST or Amiga route... My
main use for such a system would mostly be for play (of course) but also
would include some (maybe lots of) program development in C....

thanks a bunch for your thoughts, opinions, flames, etc...

paul

Paul Winkler @ University of California, San Diego Chapter
usenet: ..!ucbvax!sdcsvax!sdcc7!ln63fzm
arpa: ln63fzm%sdcc7@sdcsvax.ucsd.edu (sometimes)

From 7114089240831084663

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,fdf7444f861b5400
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,fdf7444f861b5400
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 07:21:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Re: power packs on //, Mac
Message-ID: <304@neoucom.UUCP>
Date: Fri, 24-Oct-86 10:21:51 EDT
Article-I.D.: neoucom.304
Posted: Fri Oct 24 10:21:51 1986
Date-Received: Sat, 25-Oct-86 05:15:24 EDT
References: <7984B5U@PSUVMB>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 72
Xref: watmath net.micro.apple:3324 net.micro.mac:8428
Summary: Apple][, //,... power packs not too good!

The last time I looked, I was Baron over about 14 apple][and //e computers. No GS yet.

I have had a lot of trouble with the power packs in the][and // versions. We have pretty good power here; it stays right about 119.5 volts with just a little rf hash from various devices around the building. We get occasional transients from things like air conditioner motors, but those are rarely greater than +/- 10 volts riding on the regular a.c.

We use The apple computers for lab. data acquisition. I have several that are used for long term monitoring of eeg signals from rats. On these computers, the power packs usually konk out after about 3-4 months of continuously on operation.

The failure mode is quirky. What happens is that once the power packs are shut off and cool down, they do not want to turn on again. When turned on again, the Apple will sit there inert for about 10 minutes, and then suddenly the power pack will wake up and turn on. Some times the computer will crash a couple of times in the first few minutes as the power pack "flickers".

I think if you peek in the back room of your friendly neighborhood Apple dealer, you are likely to see a pretty high stack of gold and / or silver dead Astec power supplies!

Note that we haven't been over-taxing our Apples. Generally they have a Moutain A/D-D/A, 16K card, and disk drive(s). The drives are used only infrequently as the data comes in.

I've done post mortems on a couple of the fried-out supplies. Generally, I'd say that trying to repair one that has failed as above isn't worth your time, as multiple components degrade with age. The high-voltage energy storage capacitors get leaky, the switching transistor degrades, and in one case the RF transformer shorted out.

Lately, I've started using third party power packs. If memory serves me right, the one from Jameco is pretty good. It also has vent holes to allow air to circulate inside the power pack to keep the temperature down, which should improve the life of the capacitors. Be ware of the cheap replacements: you get what you pay for!

As far as using surge protectors goes, it's probably not necessary with the Apple][and // (and presumably the GS) uless you've got a really serious power problem. If your power is really that bad, you'll have to get a really good power conditioner to clean it up!

We don't have any McIntoshes here so I can't comment directly. There is no reason to believe that the Mac power unit is a vastly different technology from the][. The Mac is likely to be more reliable as air can more easily circulate through the supply! Component count rarely says very much about the reliability of a power supply; the quality of the design engineering matters more. Given the per-part reliability is equivalent, something with more parts is more likely to fail in a statisitical sense; this ignores the overall sensibility of design, though.

One last word about surge protectors. Most of the cheap ones I've seen don't really protect your computer. You'd be better off unplugging your computer when it is not in use, and buying a couple of boxes of diskettes instead.

Bill

Bill Mayhew
Division of Basic Medical Sciences
Northeastern Ohio Universities' College of Medicine
Rootstown, OH 44272 USA phone: 216-325-2511
(wtm@neoucom.UUCP or ...!cbatt!neoucom!wtm , etc.)

From -8374387079338221149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8750ae73a5cef6a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 09:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!sri-spam!nike!ucbcad!ucbvax!HI-MULTICS.ARPA!
Hewett
From: Hewett@HI-MULTICS.ARPA
Newsgroups: net.micro.apple

Subject: Apple IIGS Analog RGB
Message-ID: <861024165807.686389@HI-MULTICS.ARPA>
Date: Fri, 24-Oct-86 12:58:00 EDT
Article-I.D.: HI-MULTI.861024165807.686389
Posted: Fri Oct 24 12:58:00 1986
Date-Received: Sat, 25-Oct-86 07:16:26 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

't seem to get a definitive answer as to whether I will be able to use
this monitor directly into the IIGS Analog RGB port. As this answer
will affect my purchase of same I would appreciate info ASAP.

Thanks..... Bill Hewett -at HMN (617)969-0250

From 8749321842218531717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ca32e5f24e8d2160,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 150311,ca32e5f24e8d2160,start
X-Google-Attributes: gid150311,public
X-Google-Thread: 1622d3,ca32e5f24e8d2160,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 13:32:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!ihwpt!knudsen
From: knudsen@ihwpt.UUCP (mike knudsen)
Newsgroups: net.micro,net.micro.6809,net.micro.apple
Subject: Reading mask ROMs on ROM burner?
Message-ID: <1183@ihwpt.UUCP>
Date: Fri, 24-Oct-86 16:32:58 EDT
Article-I.D.: ihwpt.1183
Posted: Fri Oct 24 16:32:58 1986
Date-Received: Sat, 25-Oct-86 07:02:06 EDT
Distribution: net
Organization: AT&T Bell Labs, Naperville, IL
Lines: 27
Xref: watmath net.micro:15820 net.micro.6809:993 net.micro.apple:3327

Does anyone have any hints for reading mask-programmed
(not EPROM) ROMs on a professional ROM burner?
Specifically, these are Motorola SCM-series chips,
8K x 8 bits, with 24 pins.
I have some MCM-68766 24-pin EPROMS that are supposed to
be compatible with the above, in that the EPROMs can be
plugged into the mask-ROM's sockets in the computer
and will work. A single pin on these EPROMs is used as
CE* (chip/read enable) during usage, but is pulsed to
a high voltage when being programmed.
Supposedly that same pin is just CE* in the mask ROMs.

What's weird is that our Data I/O ROM blower with its
Uni-Pak II, when set up to read/write the above EPROMs
(family/pin 25,29), won't read the mask ROMs -- it
gets Hex 44 in all locations. Anybody know what to do?

The mask ROMs are Radio Shack DOS for my Color Computer--
I want to patch some bytes in them to improve the disk
step rates. People read these ROMs fine on little
home ROM burners -- why can't the industrial-strength
units do it? Thanks, mike k
--
Mike J Knudsen   ...ihnp4!ihwpt!knudsen
Bell Labs (AT&T)   (312)-979-4132 (work)
Nobody pays for my opinions, which are mine alone.
"A mind is a terrible thing to waste, but the pay is good."

From -2826813116023953273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,23cb273b4c0b0db6,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,23cb273b4c0b0db6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 13:40:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161add
From: ee161add@sdcc18.ucsd.EDU (James Hayes)
Newsgroups: net.micro.apple,net.micro
Subject: DCOM 3.3 vt100 emulator future release
Message-ID: <559@sdcc18.ucsd.EDU>
Date: Fri, 24-Oct-86 16:40:17 EDT
Article-I.D.: sdcc18.559
Posted: Fri Oct 24 16:40:17 1986
Date-Received: Sun, 26-Oct-86 01:53:17 EDT
Organization: UC San Diego Funny Farm.
Lines: 44
Xref: watmath net.micro.apple:3332 net.micro:15821

I am beta testing a new release of DCOM a very acurate vt100
emulator for the apple // line.

So far only minor problems have crept in.

The new version 3.3 from 3.21A supports screen dumping to the printer
and "stream" dumping to the printer. Some emulation facilities were
touched up.

Supported hardware:
host: Apple][,][+, //e, //c, (should work on //gs in emulation mode)

serial: Super Serial Card and SSC lookalikes
      ALS dispatcher and lookalikes. (I.e. ccs7710)
      Dumb pascal compatible type cards

```
      //c serial port.

keyboard:Dumb apple keyboard with shift-key-mod.
      True upper/lower case keyboards.

80col:    Videx videoterm (although it's slow...)
      //c builting 80 columns.
      //e Apple 80 columns.  (Does not work w/ ramworks card.)
      DoubleVision (old!) 80 column card.

Modem:    Hayes compatible with pulse or tone dialing
(for     Ungerman/Bass Net/One direct connect
dialing) Dumb (do nothing driver)

Printers: Just about any.

Each software module may be modified to allow for new hardware to
be accepted into the DCOM system.

It will appear in net.sources with an anouncement in net.micro.apple
in 2 or 3 weeks.  (Midterm exams and the like tend to delay things...)


-Jim Hayes,  UC San Diego.
UUCP: {ihnp4, ucbvax, etc}!sdcsvax!hayes
ARPA: hayes@UCSD.EDU

Please send questions to the above address and not to what appears
on the header of this article--thanks.


From -1688403185886934117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdf7444f861b5400
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 20:02:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!ihlpf!lyourk
From: lyourk@ihlpf.UUCP (Loran N. Yourk)
Newsgroups: net.micro.apple
Subject: Re: power packs on //, Mac
Message-ID: <821@ihlpf.UUCP>
Date: Fri, 24-Oct-86 23:02:30 EDT
Article-I.D.: ihlpf.821
Posted: Fri Oct 24 23:02:30 1986
Date-Received: Sun, 26-Oct-86 01:46:57 EDT
References: <7984B5U@PSUVMB> <304@neoucom.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 51

.............................
>
> Lately, I've started using third party power packs.  If memory
```

> serves me right, the one from Jameco is pretty good. It also has
> vent holes to allow air to circulate inside the power pack to keep
> the temperature down, which should improve the life of the
> capacitors. Be ware of the cheap replacements: you get what you
> pay for!
>
....

Applied Engineering also sells a power supply for the][+ & //e
computers. It is suppose to be better designed and extra heavy
duty. Some of the problems people were having with AE's speed up
card was directly related to the week power supply of the Apple
computers.

....
>
> One last word about surge protectors. Most of the cheap ones I've
> seen don't really protect your computer. You'd be better off
> unplugging your computer when it is not in use, and buying a couple
> of boxes of diskettes instead.
>
....

I have seen two computers which were on in a lab, one with a Name
brand system saver and the other without any surge protector.
They were used for unattended data acquisition so they were often
on during thunder storms. During one particular storm the power
line they were plugged into took a lightning hit. The computer
without any protection had to have the mother board replaced as
well as a couple of cards. The one with the system saver had to
have the system saver replaced and that was all. No one can
really say that it was the system saver that saved the computer
of if it was just the randomness of lightning but the extra
$100.00 (actually less than that) seems worth it to me.

....
> Bill
>
> Bill Mayhew
> Division of Basic Medical Sciences
> Northeastern Ohio Universities' College of Medicine
> Rootstown, OH 44272 USA   phone: 216-325-2511
> (wtm@neoucom.UUCP or ...!cbatt!neoucom!wtm , etc.)
....

Loran Yourk
ihnp4!ihlpf!lyourk

From -3617726880441737856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f81453c5e8d6cde0,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 20:11:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!ihlpf!lyourk
From: lyourk@ihlpf.UUCP (Loran N. Yourk)
Newsgroups: net.micro.apple
Subject: Re: //x & //gs etc...
Message-ID: <822@ihlpf.UUCP>
Date: Fri, 24-Oct-86 23:11:37 EDT
Article-I.D.: ihlpf.822
Posted: Fri Oct 24 23:11:37 1986
Date-Received: Sun, 26-Oct-86 01:47:11 EDT
References: <1754@drutx.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 18

.....
> Dan Vachon writes:
>production when it got tabled. I'm glad Apple finally came out with a computer
> that looks to be promising....Sure they have had some great computers...
> (Apple II/II+/IIe, The Mac, now the IIgs), but they have had a couple of flops
> at crucial times in the computer industry (i.e. IIc / Lisa / IIx <never made
> it>)...

You forgot the the all powerful forgotten Apple III as one of the flops.

> There....I feel better now!
>
> Later Days -=> Dan Vachon <=-

And so do I (feel better).

Loran Yourk
ihnp4!ihlpf!lyourk

From 4286024877376657242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93e73d9be052f545
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-24 23:25:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!caip!rbthomas
From: rbthomas@caip.RUTGERS.EDU (Rick Thomas)
Newsgroups: net.micro.apple
Subject: Re: The Woz and the Apple IIGS, //x
Message-ID: <3812@caip.RUTGERS.EDU>
Date: Sat, 25-Oct-86 02:25:27 EDT
Article-I.D.: caip.3812
Posted: Sat Oct 25 02:25:27 1986
Date-Received: Sat, 25-Oct-86 07:25:21 EDT
References: <7993B5U@PSUVMB> <557@sdcc18.ucsd.EDU>
Organization: Rutgers Univ., New Brunswick, N.J.

Lines: 17

> At the Apple IIGS's intitial introduction for the press, Apple
> brought Woz in to help discuss the machine, but did not claim that
> he had any hand in its design. Magazine article claims
> notwithstanding, I think it would not be correct to think Woz had a
> hand in the design of the IIGS. (Though I'd like to see that
> interview...)

I just saw a video-tape of the introduction with the Woz "helping to
discuss the machine". It was clear (to me, anyway) that he was speaking
memorized lines, written by somebody else. He sounded like a very
amateur actor in a high-school play. For somebody with even a little
bit of acting experience, it was painful to watch!

Rick Thomas

(Standard disclaimers apply)

From -7289143565049967026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1a2821455516d91f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-25 15:27:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!ucbvax!DOCKMASTER.ARPA!TMPLee
From: TMPLee@DOCKMASTER.ARPA
Newsgroups: net.micro.apple
Subject: lightening strikes
Message-ID: <861025212729.013938@DOCKMASTER.ARPA>
Date: Sat, 25-Oct-86 17:27:00 EST
Article-I.D.: DOCKMAST.861025212729.013938
Posted: Sat Oct 25 17:27:00 1986
Date-Received: Sun, 26-Oct-86 04:05:20 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

I can attest to the effectiveness of the name brand surge protector.
Had a lightening strike a few years ago very close. Burned out attenna
coil or such on my TV; burned out my Hayes modem (didn't have protector
on the phone line ... should remedy that) burned out a chip or two on
the SSC via the modem. The II+ and everything else not mentioned above
connected to it came through fine. I do now remember, however, to
unplug everything when it looks a like a bad storm is near.

From 5039018062112986O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f81453c5e8d6cde0
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-10-25 19:27:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!uwvax!gumby!bezanson
From: bezanson@gumby.WISC.EDU (Brian Bezanson)
Newsgroups: net.micro.apple
Subject: Re: //x & //gs etc...
Message-ID: <430@gumby.WISC.EDU>
Date: Sat, 25-Oct-86 21:27:28 EST
Article-I.D.: gumby.430
Posted: Sat Oct 25 21:27:28 1986
Date-Received: Sun, 26-Oct-86 04:09:54 EST
References: <1754@drutx.UUCP> <822@ihlpf.UUCP>
Organization: Manta Software Corporation
Lines: 57
Summary: Do you really mean flops?

In article <822@ihlpf.UUCP>, lyourk@ihlpf.UUCP (Loran N. Yourk) writes:
> > Dan Vachon writes:
> >production when it got tabled. I'm glad Apple finally came out with a computer
> > that looks to be promising....Sure they have had some great computers...
> > (Apple II/II+/IIe, The Mac, now the IIgs), but they have had a couple of flops
> > at crucial times in the computer industry (i.e. IIc / Lisa / IIx <never made
> > it>)...
>
> You forgot the the all powerful forgotten Apple III as one of the flops.
>
> > Later Days -=> Dan Vachon <=-
>
> Loran Yourk

  I can't agree with your listing the //c and Lisa as 'flops'. The //c was the backbone of the // line for the last year or so. A lot of home shoppers bought a complete //c system (//c,monitor,stand) for under $850. A comprable //e was over $1000. There is nothing wrong with the //c so long as you know what you are buying. A //c owner shouldn't worry about slots, hard disks, or those things that a //e is suited for. A //c is ideal for someone who only needs floppy storage (you still can add unidisks & a hard disk), power of the Apple // line, and portability. The bombs on the //c were that it came out during a depression in the industry, right after the Mac, and finally that some of it's companion products (LCD monitor and scribe printer) were the REAL FLOPS. I don't think the //c was or is a flop.
  The Apple /// was a flop because of bad quality in the early units that blacklisted it for life. It did flop.
  How could the '//x' flop if it never made it out. But if you look at the videocassette that goes with the GS promotion, the engineers talk about the GS as 'cortland', 'rambo', 'vegas', and '//x'. The original //x dies out, but the GS rose from //x ashes and is in part //x because of that.
  The Lisa I would not call a flop. I would call it unfortunate. It was and still is, Apple's most powerful micro. It has slots that Mac people have been yelling about. It also has true multi-tasking. It was UNFORTUNATE that is was originally proced at $10,000. When it was renamed the XL and put as the psuedo-head of the 32-bit line, everyone bought one up. During Apple's Lisa trade-in program, only a small percentage of Lisa's were sold.

As a sales item, the lisa might have flopped, but wouldn't any micro with a $10,000 price-tag? On the Lisa/XL I will say I am biased, I am using one right now. I run mine in full Mac mode and use it exclusively for communications, word processing, and other 'business-like' things. I use my MacPlus for development. As surprising as it may seem, the Lisa is having a revival with 800K floppies now available, SCSI ports, 4 megs of RAM, new/modified MacWorks to allow HFS, and 68020 cards. Some of these products are available now, and the rest are due by the end of this year/first quarter '87.
  In summation, the only real flop was the Apple ///, it was doomed by initially bad hardware and other failures. The Lisa sold well (not great), but was plagued by a high price-tag. The //c's only flop was in it's peripherals (LCD flat-panel display and scribe printer). The computer has and is selling well.

--
Brian Bezanson {seismo,ihnp4,allegra,topaz,harvard}!uwvax!gumby!bezanson
Manta Software Corp.   bezanson@gumby.wisc.edu

From 6644409905194413559
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f42b8eb6d40fca8e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-26 06:50:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!think!nike!ucbcad!ucbvax!CALSTATE.BITNET!
CADS072
From: CADS072@CALSTATE.BITNET ("Mr. Bill")
Newsgroups: net.micro.apple
Subject: Apple CP/M and RAMdrives
Message-ID: <8610280935.AA07453@ucbvax>
Date: Sun, 26-Oct-86 09:50:00 EST
Article-I.D.: ucbvax.8610280935.AA07453
Posted: Sun Oct 26 09:50:00 1986
Date-Received: Tue, 28-Oct-86 21:01:09 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 27

   I was wondering if anyone out there can help me. I am using CP/M on my enhanced Apple //e. I now have the need for using files greater than the size of an Apple 5.25" disk. It must be one continuous file so I can't break it into multiple disks. I am now considering purchasing either a RAMcard (probably AE Ramfactor so it would be compatible with a //gs if/when I upgrade/purchase one.) or a 3.5" 800K drive (probably from Central Point). I would like to know if anyone has used either of these with Apple CP/M. I am using Microsoft CP/M ver 2.23. It's dated 1982, so I doubt it will recognize Apples new

disk drive protocols. I need to know what, if anything, I
would need to do to get CP/M do recognize these. Do I need
to get a newer version of CP/M or will either of these come
with the software. My setup is as follows:

Slot	Peripheral
1	Grappler parallel printer card
2	Apple SSC
6	Apple disk drive controller
7	ALS Z-card

   This only leaves either slot 4 or 5 for the new device.
Any help would be appreciated.

Bill Wood
Bitnet: CADS072@CALSTATE

From 2412520138571741317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f81453c5e8d6cde0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-26 09:45:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!sri-spam!nike!ucbcad!ucbvax!sdcsvax!sdcc6!
sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: //x & //gs etc...
Message-ID: <560@sdcc18.ucsd.EDU>
Date: Sun, 26-Oct-86 12:45:20 EST
Article-I.D.: sdcc18.560
Posted: Sun Oct 26 12:45:20 1986
Date-Received: Mon, 27-Oct-86 05:25:43 EST
References: <1754@drutx.UUCP>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego
Lines: 34

In article <1754@drutx.UUCP> dvac@drutx.UUCP (VachonD) writes:
>The //x was initially being worked on about 2 months behind schedule of the
>Apple //c...(In other words, was to be released 2 months after //c)...at any
>rate, it got tabled when the //c didn't do as good as they had expected, Woz
>left, Jobs screwed up the company, etc.....Then they got Woz back and hence,
>the IIgs was brought around....The IIgs is the finished version of the Apple
>//x. The //x just made planning stages, and was getting ready to be put into
>production when it got tabled. I'm glad Apple finally came out with a computer
>that looks to be promising....Sure they have had some great computers...
>(Apple II/II+/IIe, The Mac, now the IIgs), but they have had a couple of flops
>at crucial times in the computer industry (i.e. IIc / Lisa / IIx <never made
>it>)...
>

The IIGS just isn't the //x. Among other problems, apple wanted the
//x to be based on the 65816, which simply wasn't available several
years ago. Furthermore, the //x and IIGS were dramatically
different computers. The //x emphasized expandability and openness,
while the IIGS boasts improved graphics, excellent sound, and
Mac-like ROMs.

Plus, would any company shelve a product less then two months from
announcement for poor sales of a complementary machine? After years
of work? In any case, "the planning stages" do not immediately
precede "production" in any large corporation.

Apple has made some dramatic errors, but there are hundreds of
people, at least, who will testify to the greatness of the ///, the
//c, the Lisa, and with good reasons. The quality of the computer
isn't determined by how it does in the market, but by...
okay, that's too subjective. You get the point.

Grobbins, making good use of the hour Congress has given us.

From -8792164497107940572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ca32e5f24e8d2160
X-Google-Attributes: gid129c11,public
X-Google-Thread: 150311,ca32e5f24e8d2160
X-Google-Attributes: gid150311,public
X-Google-Thread: 1622d3,ca32e5f24e8d2160
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-26 18:20:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!princeton!allegra!ulysses!mhuxr!mhuxt!mhuxv!
mhuxf!ihnp4!chinet!cmm
From: cmm@chinet.UUCP (Cary Mednick)
Newsgroups: net.micro,net.micro.6809,net.micro.apple
Subject: Re: Reading mask ROMs on ROM burner?
Message-ID: <687@chinet.UUCP>
Date: Sun, 26-Oct-86 21:20:21 EST
Article-I.D.: chinet.687
Posted: Sun Oct 26 21:20:21 1986
Date-Received: Mon, 27-Oct-86 20:44:52 EST
References: <1183@ihwpt.UUCP>
Sender: news@chinet.UUCP
Reply-To: cmm@chinet.UUCP (Cary Mednick)
Distribution: net
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 18
Xref: mnetor net.micro:6319 net.micro.6809:558 net.micro.apple:1635

In article <1183@ihwpt.UUCP> knudsen@ihwpt.UUCP (mike knudsen) writes:
>Does anyone have any hints for reading mask-programmed
>(not EPROM) ROMs on a professional ROM burner?

>...etc

There are two common problems that may occur. The first you have dealt
with by determining how the chip selects on the masked roms are programmed.
The second problem is that many masked roms are dynamic devices. That means
that the Chip Select line must toggle for the rom to function properly. The
best way that I have found to read a masked rom is through a target system
with an emulator. Store the file on disk and then send it to the Data I/O
programmer. I have an old Z80 board with a highly configurable Memory site
on it. I set up the chip selects and read away. Be sure that the hardware
toggles the Chip Enable, as many designs do not.

Please excuse me if the format of this is awkard, as this is my first response.

Cary Mednick   ...ihnp4!chinet!cmm

From 1646121173612013180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdf7444f861b5400
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-26 20:05:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: power packs on //, Mac
Message-ID: <308@neoucom.UUCP>
Date: Sun, 26-Oct-86 23:05:37 EST
Article-I.D.: neoucom.308
Posted: Sun Oct 26 23:05:37 1986
Date-Received: Mon, 27-Oct-86 05:34:25 EST
References: <7984B5U@PSUVMB> <304@neoucom.UUCP> <821@ihlpf.UUCP>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 23
Summary: Surge protectors

Loran points out in the previous article that the System Saver
might have actually saved one of two apples that were plugged into
the same brach circuit taking a lightning strike.

The thing that Loran points out is that the System Saver that he
used is a $100 decently constructed device. That is the point that
I was tring to make. If you buy a protector, you really sould
spend the money to get a good one. The ones that go for $19.95
genrally don't do any good at all. Even the $$$ protectors are
not completely infallable. The only sure thing is to unplug the
computer during dangerous times (i.e. storms).

Also both the Mac and Apple][can be cooked by unexpected
connection to 240 volt power. You should always check an outlet
with a voltmeter before plugging in your computer in an unfamiliar

location! Some of the older Apple][s had a switch behind a small
plastic cover just above the linecord connector. The cover could
be removed and the switch changed to 240 volts. Other apples had a
jumper wire for 240 volts inconveniently located inside the
riveted-shut power pack.

Bill

From 5591409752383584444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,12313424b685a115,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 04:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!ucbvax!hi-multics.arpa!
Hewett
From: Hewett@hi-multics.arpa
Newsgroups: net.micro.apple
Subject: IIGS Analog RGB
Message-ID: <861027124604.845092@HI-MULTICS.ARPA>
Date: Mon, 27-Oct-86 07:46:00 EST
Article-I.D.: HI-MULTI.861027124604.845092
Posted: Mon Oct 27 07:46:00 1986
Date-Received: Mon, 27-Oct-86 22:40:42 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 6

Need a definitive answer ASAP please!

Will I be able to use my Amdek 600 RGB monitor directly into the IIGS
RGB port?

Thanks, Bill Hewett Hi-Multics (617)969-0250

From -8673135714182456173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d0867de7f4cff50,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 06:38:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cbatt!ihnp4!drutx!drune!nick
From: nick@drune.UUCP (SilvaNT)
Newsgroups: net.micro.apple
Subject: GS books
Message-ID: <219@drune.UUCP>
Date: Mon, 27-Oct-86 09:38:38 EST
Article-I.D.: drune.219
Posted: Mon Oct 27 09:38:38 1986
Date-Received: Mon, 27-Oct-86 23:30:04 EST
Organization: AT&T Information Systems Labs, Denver, Co

Lines: 9
Keywords: Bantam Publishing

Well, The Apple][GS books have begun hitting the shelves. The first one I have seen is called "The Apple][GS Toolbox Revealed" by Bantam Publishing. It is geared toward beginners but does talk about the built in subroutines in the Toolbox. Price: $21.95. There is another book by the same publisher to be released called " The Apple][GS Book". No price yet.

Nick S.
AT&T I.S. Denver

From -5905051735759479899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ffc5845c840e797,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 10:21:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!husc6!mit-eddie!genrad!decvax!ucbvax!nusc.arpa!schlichting
From: schlichting@nusc.arpa ("SCHLICHTING C.L.")
Newsgroups: net.micro.apple
Subject: interference
Message-ID: <8610271704.AA12266@ucbvax.Berkeley.EDU>
Date: Mon, 27-Oct-86 13:21:00 EST
Article-I.D.: ucbvax.8610271704.AA12266
Posted: Mon Oct 27 13:21:00 1986
Date-Received: Mon, 27-Oct-86 22:37:24 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: "SCHLICHTING C.L." <schlichting@nusc.arpa>
Organization: The ARPA Internet
Lines: 5

My apple IIe causes interference on my TV which is located on another floor of the house. Any ideas how I can stop this? Thanks.
Schlichting@NUSC.arpa

From 313089814859290909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f81453c5e8d6cde0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 11:27:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: //x & //gs etc...
Message-ID: <4376@reed.UUCP>
Date: Mon, 27-Oct-86 14:27:31 EST

Article-I.D.: reed.4376
Posted: Mon Oct 27 14:27:31 1986
Date-Received: Tue, 28-Oct-86 18:56:21 EST
References: <1754@drutx.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 32

In article <1754@drutx.UUCP> dvac@drutx.UUCP (VachonD) writes:
>(Apple II/II+/IIe, The Mac, now the IIgs), but they have had a couple of flops
>at crucial times in the computer industry (i.e. IIc / Lisa / IIx <never made
                                                    ^^^
>it>)...
>
>Later Days -=> Dan Vachon <=-

I think that should be apple ///. It was a major flop. The //c is not
a flop in any sense of the word. They just came out with a motherboard
upgrade that allows a 1 meg add on board. Why support a flop?

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
                  purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
                  cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
             reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From 8524486058633066939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b5968761df30ff7a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 16:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!think!nike!ucbcad!ucbvax!CALSTATE.BITNET!
FCDL01K
From: FCDL01K@CALSTATE.BITNET (Connie Bacon)
Newsgroups: net.micro.apple
Subject: TAKE ME OFF THE LIST

Message-ID: <8610280936.AA07456@ucbvax>
Date: Mon, 27-Oct-86 19:36:00 EST
Article-I.D.: ucbvax.8610280936.AA07456
Posted: Mon Oct 27 19:36:00 1986
Date-Received: Tue, 28-Oct-86 21:00:45 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 2

Please remove my address from your mailing list.
Thank you -- fcdl01k.calstate (bitnet)

From -3327084531522756788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df04e59503e6a284,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 19:41:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cuae2!ihnp4!drutx!drune!nick
From: nick@drune.UUCP (SilvaNT)
Newsgroups: net.micro.apple
Subject: More][GS books
Message-ID: <224@drune.UUCP>
Date: Mon, 27-Oct-86 22:41:28 EST
Article-I.D.: drune.224
Posted: Mon Oct 27 22:41:28 1986
Date-Received: Tue, 28-Oct-86 06:53:54 EST
Organization: AT&T Information Systems Labs, Denver, Co
Lines: 17
Keywords: Addison-Wesley Publishing

For those of you wanting to become GS experts, the following text books are
scheduled to be published by Addison-Wesley in the near future:

    Technical Introduction to the Apple][GS
    Programmer's Introduction to the Apple][GS
    Apple][GS Hardware Reference
    Apple][GS Firmware Reference
    Apple][GS Toolbox Reference: Volume I
    Apple][GS Toolbox Reference: Volume II
    Apple][GSs Prodos 16 Reference Manual

Additionally, Apple will be publishing Programmer's Workshops for Assembly
Language, C, and Pascal.

                        Nick S.
                        AT&T IS Denver

From -5417926120742702584
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,fcd98cd8d23b9f2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-27 19:42:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!
uiucuxf!sk644
From: sk644@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Compatibility of old Periphs w/
Message-ID: <9900031@uiucuxf>
Date: Mon, 27-Oct-86 22:42:00 EST
Article-I.D.: uiucuxf.9900031
Posted: Mon Oct 27 22:42:00 1986
Date-Received: Wed, 29-Oct-86 22:49:04 EST
References: <4350@reed.UUCP>
Lines: 13
Nf-ID: #R:reed.UUCP:4350:uiucuxf:9900031:000:456
Nf-From: uiucuxf.CSO.UIUC.EDU!sk644   Oct 27 21:42:00 1986

   If this is so, and all the dealers get is $96 for the exchange with
Apple, I wonder if they will take an extra $96 in order for us to keep
our motherboards..then, they'll be even, and we'll be ahead a motherboard!

Benjy Mouse
University of Illinois at Urbana-Champaign

UUCP   : {ihnp4, convex, pur-ee}!uiucdcs!uiucuxf!sk644
Internet: uiucuxf!sk644@a.cs.uiuc.edu
FIDO   : Net 11,Node 102, Benjy Mouse
UBBS   : 217-359-4450, 300/1200/2400, 24 hours

From -9140833654007286471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd629373a3f78f5f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-28 05:06:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!husc6!panda!genrad!decvax!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com.UUCP
Newsgroups: net.micro.apple
Subject: //C
Message-ID: <6129@decwrl.DEC.COM>
Date: Tue, 28-Oct-86 08:06:41 EST
Article-I.D.: decwrl.6129
Posted: Tue Oct 28 08:06:41 1986
Date-Received: Tue, 28-Oct-86 21:25:53 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 3

From what I understand the //E still outsells [and outsold] the //C...

Joe

From -4969399127136403363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,29518c94f1fa53ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-28 09:03:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!BROWNVM.BITNET!ST802414
From: ST802414@BROWNVM.BITNET (CHRISTOPHER CHUNG)
Newsgroups: net.micro.apple
Subject: softerm II and hard drives.
Message-ID: <8610290112.AA05440@ucbvax.berkeley.edu>
Date: Tue, 28-Oct-86 12:03:18 EST
Article-I.D.: ucbvax.8610290112.AA05440
Posted: Tue Oct 28 12:03:18 1986
Date-Received: Wed, 29-Oct-86 00:12:20 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

Does anyone know how to modify Softerm II to work on a hard drive?
I called Softronics technical support and they said it couldn't be done
because DOS 3.3 cannot be run on a hard drive. This sounds very funny
to me. The problem I am having is that I cannot load any of the
configurations once I get softerm to boot. Anything that has to access
the hard drive gives an I/O error. Anyone know why this is happening
or how it can be fixed? Are there any other programs that you have
encountered that do the same thing.

Chris
Acknowledge-To: <ST802414@BROWNVM>

From -3557329449722553911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93e73d9be052f545
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-28 10:22:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!burdvax!
psuvax1!psuvm.bitnet!b5u
From: B5U@PSUVM.BITNET
Newsgroups: net.micro.apple
Subject: Re: The Woz and the Apple IIGS, //x
Message-ID: <8083B5U@PSUVM>
Date: Tue, 28-Oct-86 13:22:22 EST
Article-I.D.: PSUVM.8083B5U
Posted: Tue Oct 28 13:22:22 1986

Date-Received: Sun, 9-Nov-86 03:52:38 EST
References: <7993B5U@PSUVMB> 557@sdcc18.ucsd.EDU
Lines: 43

In article <557@sdcc18.ucsd.EDU>, ee161abt@sdcc18.ucsd.EDU (Grobbins) says:

>
>The IWM is also in the Mac, as memory serves, so it's not a design
>for the IIc/e/GS. And Woz wasn't on the Mac team.
>
>My information is mostly second-hand. Please correct me with direct
>quotes from Woz or the designers, if necessary.
>
>Grobbins.
>
>[Let's see how long it's Apple II Forever now that the II is
> no longer Apple's cash cow. Or is it?]

   First, the IWM was introduced in the //c, and according to my roomate, an Apple II owner and follower for six years, that was its original use. It was supposed to be used in the //x, and it is now in the IIGS.
   As far as I can find, it is NOT in the Mac, and, if you think about it, why would it be? The disk drive set up in the II series and the Mac are completely different (can someone verify/disclaim this, as I know not much about the innards ofmy Mac +).
   As for the rest of my article, the interview with the Woz that I quoted I believe was in Compute! Apple, but I am having trouble finding the IIGS review issue, so I may not be correct.
   As for Apple's big seller, it is now the Macintosh line. Big purchases by companies like Boeing, General Dynamics, and Eastman Kodak have helped (see the new ads on tv). The IIGS will help, but there probably will not be any buys that big.

 George A. Brownfield
 Aerospace Engineering '87
 The Pennsylvania State University

 Bitnet: GAB @PSUECL
 UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

 "We don't get laid much, but we're building the future"
               -Engineering majors, according to Robin Williams

From 5919431094330099443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8583ab5cbe046685,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-10-28 16:43:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!nike!ucbcad!ucbvax!KOREA-EMH.ARPA!
jusmag-jp
From: jusmag-jp@KOREA-EMH.ARPA
Newsgroups: net.micro.apple
Subject: Apple 2e upgrade ...
Message-ID: <8610290400.AA07382@ucbvax.berkeley.edu>
Date: Tue, 28-Oct-86 19:43:00 EST
Article-I.D.: ucbvax.8610290400.AA07382
Posted: Tue Oct 28 19:43:00 1986
Date-Received: Wed, 29-Oct-86 02:44:42 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 24

Greetings from "the Land of the Morning Calm" ...

    I walked into the Post Exchange yesterday and found an interesting sign near the Apple Computers. This sign said "If you have purchased an Apple 2e, we have (some micro-chip number) available to upgrade your 2e. These chips will increase the speed of your computer and are available free of charge if you bring in your sales receipt and old micro-chips." After discussions with the computer sales person and store manager, I was told that my computer was old enough for the upgrade, but since I had not purchased my computer from the exchange, they would not give me the upgrade.

    Is this offer an offer from Apple, Inc., or an offer from the Post Exchange? What does this upgrade do? What are alternate routes I can pursue to get the upgrade?

Thanks in advance.
Gregory Hicks for Ken Boeglen

Since I am not on the Info-Apple distribution list, please reply directly to me at

ghicks@korea-emh   or
jusmag-jp@korea-emh

From -1376142771285810197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8583ab5cbe046685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-28 17:28:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!BRL.ARPA!abc
From: abc@BRL.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Re: Apple 2e upgrade ...
Message-ID: <8610290331.AA07077@ucbvax.berkeley.edu>

Date: Tue, 28-Oct-86 20:28:17 EST
Article-I.D.: ucbvax.8610290331.AA07077
Posted: Tue Oct 28 20:28:17 1986
Date-Received: Wed, 29-Oct-86 02:47:52 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 6

PLEASE, if anyone has the answer to the question about the "free"
upgrade in the PX, post it to Info-Apple!

Thanks,
Brint

From -8096276329202523221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6315a52bc225d60a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-28 17:54:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!DOCKMASTER.ARPA!AELevy
From: AELevy@DOCKMASTER.ARPA
Newsgroups: net.micro.apple
Subject: ramfile
Message-ID: <861029015455.683977@DOCKMASTER.ARPA>
Date: Tue, 28-Oct-86 20:54:00 EST
Article-I.D.: DOCKMAST.861029015455.683977
Posted: Tue Oct 28 20:54:00 1986
Date-Received: Wed, 29-Oct-86 02:49:20 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

This is in reply to Mr Bill's query on using a RAM card in the apple
with cpm. I have used the RAMWORKS 512k and have happily assembled bye
and other programs in ram. Recommend highly. I know it is not
ramfactor but applied engineering stands behind their stuff. Query me
directly for more.

Regards, Allan

From 3866596383167744963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9488f611d0353efd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-29 06:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!lll-crg!nike!ucbcad!ucbvax!ius2.cs.cmu.edu!
Ralph.Hyre
From: Ralph.Hyre@ius2.cs.cmu.edu

Newsgroups: net.micro.apple
Subject: net.micro.apple <-> info-apple Link should now be 2-way
Message-ID: <530981813.ralphw@ius2.cs.cmu.edu>
Date: Wed, 29-Oct-86 09:56:00 EST
Article-I.D.: ius2.530981813.ralphw
Posted: Wed Oct 29 09:56:00 1986
Date-Received: Thu, 30-Oct-86 06:44:08 EST
Sender: jordan@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 51

This message should show up on net.micro.apple as well.
Date: Tue, 28 Oct 86 17:15:17 EST
From: Info-Apple-Request <wmapple@BRL.ARPA>
To: ralph.Hyre@ius2.cs.cmu.edu
Subject: [Ralph.Hyre: info-apple]

We think that we've gotten the backlog of Info-Apple requests cleaned
out now and thank you for your patience. We know that the taxpayers
would not want us to put the list ahead of other very important things
that kept everyone here very busy for about a month and hope that you
now find service satisfactory.

Brint Cooper
Acting Info-Apple Coordinator

----- Forwarded message # 1:

>Received: from brl-aos.arpa by SMOKE.BRL.ARPA id aa00403; 7 Oct 86 17:15 EDT
>Received: from cmu-cs-ius2.arpa by AOS.BRL.ARPA id a010070; 7 Oct 86 17:08 EDT
>Date: 7 Oct 1986 16:38-EDT
>From: Ralph.Hyre@cmu-cs-ius2.ARPA
>To: fair@ucb-arpa.ARPA
>Cc: info-apple-request@BRL, postmaster@BRL, zellich@sri-nic.ARPA
>Subject: info-apple
>Message-Id: <529101508/ralphw@ius2.cs.cmu.edu>
>
>Would you be willing to authorize a site other then brl to send stuff to
>post-info-apple? (for the net.micro.apple<->info-apple link)
>Apparently they're not maintaining the list anymore.
>
>I'm considering sending the following message to info-apple to ask someone
>to add post-info-apple@ucbvax to their redistribution list.
>
>Subject: Need someone to volunteer a slot on their distribution list
>
>The application involves linking net.micro.apple with info-apple.
>Due to the lack of response from by the moderators, we need someone
>who maintains an info-apple redistribution list on a site directly
>on the arpanet (host number 10.X.X.X) to add an address as berkeley.
>

>Please respond ONLY if you maintain such a redistribution list.
>Thanks.
>
>----- End of forwarded messages
>

Thanks for the help, Eric Fair and Brint Cooper.

- Ralph

From 6728567835784149841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c63bce509d622fd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-29 09:45:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!aplcen!jhunix!ins_aeas
From: ins_aeas@jhunix.UUCP (Earle A .Sugar)
Newsgroups: net.micro.apple
Subject: Apple][(early) trade ups?
Message-ID: <3859@jhunix.UUCP>
Date: Wed, 29-Oct-86 12:45:49 EST
Article-I.D.: jhunix.3859
Posted: Wed Oct 29 12:45:49 1986
Date-Received: Thu, 30-Oct-86 23:49:35 EST
Organization: The Johns Hopkins University
Lines: 8

I have read postings concerning Apple accepting trade-ins of //e boards
towards a //GS. I have an early (I mean REAL early, serial #2047, 1977 vintage)
and I would like to trade it in for a //GS. Does the deal for the //e apply to
original][s also? Or, is the computer worth more as an antique? It has the
original 'red book' manual complete with hand-drawn diagrams by Woz and
a complete source-code listing of the monitor rom, 'sweet-16' interpreter, and
mini-assembler inside. Of course, the machine has been upgraded since
it came out of the factory. Ever try to run DOS with 4k on the board?

From 4550691511538048640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ab888066f861e9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-29 14:23:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!husc6!husc4!nakada
From: nakada@husc4.harvard.edu (paul nakada)
Newsgroups: net.micro.apple
Subject: Apple //c ROMs
Message-ID: <550@husc6.HARVARD.EDU>
Date: Wed, 29-Oct-86 17:23:44 EST
Article-I.D.: husc6.550
Posted: Wed Oct 29 17:23:44 1986

Date-Received: Wed, 29-Oct-86 22:43:02 EST
Sender: news@husc6.HARVARD.EDU
Reply-To: nakada@husc4.UUCP (paul nakada)
Distribution: net
Organization: Harvard Science Center
Lines: 14
Summary: Where do I get the new ROMs?

[EAT ME EAT ME EAT ME EAT ME EAT ME EAT ME EAT ME]

As an owner of a very early release of the Apple //c, I have now come
across the need to upgrade to the new 3.5 unidisk. As a result of
having bought an early version, though, I have the "old" ROMS which
do not support unidisk 3.5 or any of the other goodies on the new
32K ROMs.. Does anyone know where I can get them.. I am thoroughly
tired of the runaround I get at "authorized apple dealers" who look
puzzled at the thought of "OLD" apple //c roms..
Thanks.... Paul Nakada

nakada@husc4.UUCP
nakada@harvsc4.BITNET
!harvard!husc4!nakada.UUCP

From 3100915737138227520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,12313424b685a115
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-29 14:24:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!mit-eddie!ll-xn!nike!ucbcad!ucbvax!HI-
MULTICS.ARPA!Hewett
From: Hewett@HI-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: IIGS Analog RGB
Message-ID: <861029222455.768156@HI-MULTICS.ARPA>
Date: Wed, 29-Oct-86 17:24:00 EST
Article-I.D.: HI-MULTI.861029222455.768156
Posted: Wed Oct 29 17:24:00 1986
Date-Received: Mon, 3-Nov-86 19:48:09 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

I really need an answer folks. Will I be able to use my Amdek 600 RGB
monitor (I currently use on my IIc with a Video-7 adapter) directly into
the IIGS Analog RGB port?????

Thanks................. Bill Hewett -at HiMultics (617)969-0250

From -8676989967034533636
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,e3ab888066f861e9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-29 14:27:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!husc6!husc4!nakada
From: nakada@husc4.harvard.edu (paul nakada)
Newsgroups: net.micro.apple
Subject: A+ Mouse
Message-ID: <551@husc6.HARVARD.EDU>
Date: Wed, 29-Oct-86 17:27:46 EST
Article-I.D.: husc6.551
Posted: Wed Oct 29 17:27:46 1986
Date-Received: Wed, 29-Oct-86 22:43:15 EST
References: <550@husc6.HARVARD.EDU>
Sender: news@husc6.HARVARD.EDU
Reply-To: nakada@husc4.UUCP (paul nakada)
Distribution: net
Organization: Harvard Science Center
Lines: 10
Summary: any comments?

****

I am looking for a mouse for an Apple //c, and I have seen both the
Apple mouse, and the A+ mouse which is supposed to be an "optical"
mouse.. Does anyone have any comments or suggestions about either
version? Thanks... Paul Nakada

nakada@husc4.UUCP
harvard!husc4!nakada.UUCP
nakada@harvsc4.BITNET

From 1422049035832499945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd7692b237e1b331,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-30 10:25:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!sri-spam!nike!ucbcad!ucbvax!BRL.ARPA!wmapple
From: wmapple@BRL.ARPA (Info-Apple-Request)
Newsgroups: net.micro.apple
Subject: [Thomas S. Wanuga: IIGS sound chip]
Message-ID: <8610311800.AA05953@ucbvax.berkeley.edu>
Date: Thu, 30-Oct-86 13:25:06 EST
Article-I.D.: ucbvax.8610311800.AA05953
Posted: Thu Oct 30 13:25:06 1986
Date-Received: Sat, 1-Nov-86 04:51:52 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 29

The following was sent to Info-Apple-Request. In this context,
"request" has to do with matters affecting the Info-Apple list. All
such queries should be sent to info-apple@brl.arpa.

Brint Cooper
Acting Info-Apple-Request

----- Forwarded message # 1:

Received: from brl-aos.arpa by SMOKE.BRL.ARPA id a021224; 30 Oct 86 11:37 EST
Received: from mit-xx.arpa by AOS.BRL.ARPA id a015350; 30 Oct 86 11:36 EST
Date: Thu 30 Oct 86 11:30:34-EST
From: "Thomas S. Wanuga" <WANUGA@mit-xx.ARPA>
Subject: IIGS sound chip
To: info-apple-request@BRL.ARPA
cc: wanuga@mit-xx.ARPA
Message-ID: <12250955879.17.WANUGA@XX.LCS.MIT.EDU>

Does anyone know where I can get information (i.e. a data sheet and
application notes) on the Digital Oscillator Chip manufactured by
Ensoniq that is used in the IIGS? An address or phone number for
Ensoniq would suffice. Thanks.

Tom Wanuga
wanuga@xx.lcs.mit.edu

----- End of forwarded messages

From -3307073745982300058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,857ce7ddadc76f57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-30 11:56:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!nike!ucbcad!ucbvax!MITRE.ARPA!mcgurrin
From: mcgurrin@MITRE.ARPA (Michael Mcgurrin)
Newsgroups: net.micro.apple
Subject: IIGS Sound Output
Message-ID: <8610301956.AA09191@mitre.ARPA>
Date: Thu, 30-Oct-86 14:56:54 EST
Article-I.D.: mitre.8610301956.AA09191
Posted: Thu Oct 30 14:56:54 1986
Date-Received: Sun, 2-Nov-86 23:55:09 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The MITRE Corp., Washington, D.C.
Lines: 5

I'm curious about the output power for the IIGS. I've seen the port labeled
headphone in some magazine diagrams, and I understand the BOSE speakers
have a built-in amp and are designed for use with things like Walkmen.
Does the output have enough power to drive a small speaker or will I have

to run it through an amp first? Thanks!

From -8016106476226774688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb988d907c4db1d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-30 11:58:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!pyramid!gould9!paul
From: paul@gould9.UUCP (Paul Close)
Newsgroups: net.micro.apple
Subject: Small C for apple?
Message-ID: <768@gould9.UUCP>
Date: Thu, 30-Oct-86 14:58:36 EST
Article-I.D.: gould9.768
Posted: Thu Oct 30 14:58:36 1986
Date-Received: Fri, 31-Oct-86 20:17:01 EST
Organization: CACI, Inc. -- La Jolla, CA
Lines: 7
Keywords: Does it exist?

     I have seen small C compilers available for CPM systems. These
compilers seem to be easily modified. Does anyone know of a small C compiler
available for the apple // series?

     Paul Close
     paul@gould9.uucp {via pyramid, sdcsvax, cbosgd, ihnp4, and others}

From -3271554254346182896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f81453c5e8d6cde0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-30 12:08:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!cbmvax!fred
From: fred@cbmvax.cbm.UUCP (Fred Bowen)
Newsgroups: net.micro.apple
Subject: Re: //x & //gs etc...
Message-ID: <948@cbmvax.cbmvax.cbm.UUCP>
Date: Thu, 30-Oct-86 15:08:24 EST
Article-I.D.: cbmvax.948
Posted: Thu Oct 30 15:08:24 1986
Date-Received: Sun, 2-Nov-86 23:59:41 EST
References: <1754@drutx.UUCP> <560@sdcc18.ucsd.EDU>
Organization: Commodore Technology, West Chester, PA
Lines: 12

> Plus, would any company shelve a product less then two months from
> announcement for poor sales of a complementary machine?
>

> Grobbins, making good use of the hour Congress has given us.

Yes.
--
Fred Bowen uucp: {ihnp4|seismo|caip}!cbmvax!fred
arpa: cbmvax!fred@seismo.css.GOV
tele: 215 431-9100

Commodore Electronics, Ltd., 1200 Wilson Drive, West Chester, PA, 19380

From 22714608634271242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ab888066f861e9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-30 14:54:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!dayton!meccts!meccsd!rms
From: rms@meccsd.UUCP (Roger M. Shimada)
Newsgroups: net.micro.apple
Subject: Re: Apple //c ROMs
Message-ID: <549@meccsd.UUCP>
Date: Thu, 30-Oct-86 17:54:37 EST
Article-I.D.: meccsd.549
Posted: Thu Oct 30 17:54:37 1986
Date-Received: Fri, 31-Oct-86 14:19:24 EST
References: <550@husc6.HARVARD.EDU>
Reply-To: rms@meccsd.UUCP (Roger M. Shimada)
Distribution: net
Organization: MECC Technical Services, St. Paul, MN
Lines: 24

In article <550@husc6.HARVARD.EDU> nakada@husc4.UUCP (paul nakada) writes:
>As an owner of a very early release of the Apple //c, I have now come
>across the need to upgrade to the new 3.5 unidisk. As a result of
>having bought an early version, though, I have the "old" ROMS which
>do not support unidisk 3.5 or any of the other goodies on the new
>32K ROMs.

For starters, if you buy a Unidisk 3.5 your dealer is supposed to give
you a free //c upgrade. (Read: swaps your motherboard out, and isn't
supposed to tell you that.) I have an old motherboard too, and this
annoys me because if you have an old //c, you could: 1) cut a solder
joint, 2) make a solder bridge, and 3) replace a ROM, and poof! The
//c can talk to a 3.5.

However, you should consider a dealer trade because new //cs have the
facility for the //c 1 Meg card. (These newer //cs can be identified
by a platinum keyboard and/or case. (Apple still has white cases
left.)) Thus the //c is now on its fourth major revision. To check
for a newer motherboard easily, turn on the //c and type "pr#4". It
will respond with "UNABLE TO START UP FROM MEMORY CARD" if it's the
latest //c.

Roger Shimada
ihnp4!meccts!rms

From -2868063092964126642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6bbcab6602c1f523
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 121a8b,6bbcab6602c1f523
X-Google-Attributes: gid121a8b,public
X-Google-ArrivalTime: 1986-10-31 04:20:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site water.UUCP
Path: utzoo!watmath!watnot!water!ljdickey
From: ljdickey@water.UUCP (Lee Dickey)
Newsgroups: net.lang.apl,net.micro.apple
Subject: Re: APL for the Mac
Message-ID: <584@water.UUCP>
Date: Fri, 31-Oct-86 07:20:11 EST
Article-I.D.: water.584
Posted: Fri Oct 31 07:20:11 1986
Date-Received: Sat, 1-Nov-86 02:45:08 EST
References: <137@safari.UUCP>
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 35
Xref: watmath net.lang.apl:271 net.micro.apple:3361

> A friend of mine would be interested in obtaining either public-domain
> or commercially available APL for a Mac Plus. A phone number or address
> of a vendor would be greatly appreciated. Comments, opinions, or experiences
> with APL on the Mac would also be welcome.

I know of three different APL interpreters for the Mac.

     APL.68000 (Spencer Organization, 201 666-6011)
     PortaAPL (Cambridge Mass)
     APL 90

Of the three, APL.68000 is the most mature. It was the first APL
for any machine using a Motorola 68000 chip, and it was de-bugged
before the Mac came along. Watch for a review in March 87 issue of
APL Quote Quad. There is a review of APL 90 in the December issue
of Quote Quad written by Fred Gross.

Fred says that he is willing to distribute APL90 shareware.
Send TWO 3.5 inch diskettes and postage to him at:

    Fred Gross
    New Product Editor
    1100 Richards Avenue
    Santa Fe, NM 87505

(505) 827-7872

One of the implementers of APL 90 is:

Jean-Jacques Girardot
St. Etienne School of Mines,
St. Etienne, France

Lee Dickey, Editor, APL Quote Quad

From -1680791448080976569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d0867de7f4cff50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-31 06:13:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!rutgers!uwvax!husc6!think!mit-eddie!zrm
From: zrm@mit-eddie.MIT.EDU (Zigurd R. Mednieks)
Newsgroups: net.micro.apple
Subject: Re: GS books
Message-ID: <3656@mit-eddie.MIT.EDU>
Date: Fri, 31-Oct-86 09:13:15 EST
Article-I.D.: mit-eddi.3656
Posted: Fri Oct 31 09:13:15 1986
Date-Received: Sat, 1-Nov-86 03:24:31 EST
References: <219@drune.UUCP>
Reply-To: zrm@mit-eddie.UUCP (Zigurd R. Mednieks)
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 17
Keywords: 65816, Brady Publishing

Not specifically on the IIGS but interesting anyway is a book entitled
something like "The 6502, 65C02, and 65C816" by David Eyes, published by Brady.
I read some of the chapters while the book was being written, and it is
very enlightening. It made understanding these chips easy. There is lots
of sample code, which should provide a good leg up on programming the '816.

David had access to many if not all of the pre-production revs of the '816,
and he now works at Apple, and has hacked Apple IIs since they first came out.
He is also a very good writer, and helped write the outline for my book on
Macintosh programming. I can confidently say it would have a weaker book
without his help.

I haven't seen ANY 65816 books in the stores on the east coast yet, but there
are ads for it in many computer magazines. Rats! I can't find my APDA catalog,
but it would be a good bet that you would find it in there, too.

-Zigurd

From -1398777591306637627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ab888066f861e9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-31 10:48:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Apple //c ROMs
Message-ID: <4411@reed.UUCP>
Date: Fri, 31-Oct-86 13:48:42 EST
Article-I.D.: reed.4411
Posted: Fri Oct 31 13:48:42 1986
Date-Received: Mon, 3-Nov-86 22:39:34 EST
References: <550@husc6.HARVARD.EDU>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, OR
Lines: 71

In article <550@husc6.HARVARD.EDU> nakada@husc4.UUCP (paul nakada) writes:
>I am thoroughly
>tired of the runaround I get at "authorized apple dealers" who look
>puzzled at the thought of "OLD" apple //c roms..
>Thanks.... Paul Nakada
>

I suggest you make a copy of this and take it to you dealer. This is
for everyone who might ever have this problem.

Tell your dealer to look in his "Apple Service Programs", section
"product notices". The current rev is 8/1/86

On page 8.1.2:

Apple IIc, ROM Upgrade for UniDisk 3.5 - ODL660   (Anounced May 86)

A new moniter ROM is required in order to utilize the a UniDisk 3.5 with
an Apple IIc. Apple IIc systems have serial numbers like F605XXX. NOTE:
Those systems with the first three numeric characters higher than 605
contain the new ROM. These systems do not require an upgrade to be
campatible with UniDisk 3.5. For example, F606XXX indicates a system
containing the new ROMS. These systems are also identified by this icon
label on the back panel: [Apple left it out :-)]

Customers who purchased Apple IIc systems with serial numberrs lower than
F6055XXX and who purchase the UniDisk 3.5 require a ROM upgrade.
Exchange the customer's logic board with an upgrade service board free
of charge.

You will be reimbursed for this exchange as a warranty transaction. To obtain reimbursement, submit serial numbers of both the Apple IIc and the UniDisk on an SRO stating the authorization code "ODL660" on the OTHER line in the warranty information section.

NOTE: The Service Stock upgrade program announced at product introduction has expired.

I suggest that Authorized Apple Dealers read this section more often, rather than concentrating on sales alone. Also, to the cutomer, it is often very helpful to talk to the technician, not the sales rep, as the technician is much more like to understand intelligent questions (well, maybe you better edit this a little :-))

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
 purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
 cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
 reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
 Portland, OR 97202
 (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From -1261234454311246757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb988d907c4db1d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-31 13:17:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!BRL.ARPA!gwyn
From: gwyn@BRL.ARPA (Doug Gwyn, VLD/VMB)
Newsgroups: net.micro.apple
Subject: Re: Small C for apple?
Message-ID: <8610311617.aa16556@VGR.BRL.ARPA>
Date: Fri, 31-Oct-86 16:17:16 EST

Article-I.D.: VGR.8610311617.aa16556
Posted: Fri Oct 31 16:17:16 1986
Date-Received: Mon, 3-Nov-86 20:05:57 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 3

There is a full C (perhaps minus bitfields) for the Apple //
from Manx Software Systems, called "Aztec C". I use it and am
relatively happy with it.

From -2862219102826563006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7b99c41f479bdcf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-31 13:31:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!mit-eddie!ll-xn!nike!ucbcad!ucbvax!LLL-MFE.ARPA!
SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: PCPI RAMcards
Message-ID: <8611010401.AA16338@ucbvax.berkeley.edu>
Date: Fri, 31-Oct-86 16:31:00 EST
Article-I.D.: ucbvax.8611010401.AA16338
Posted: Fri Oct 31 16:31:00 1986
Date-Received: Mon, 3-Nov-86 19:48:49 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 18

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Fri, 31-OCT-1986 16:33 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].72D0A440.008F7447.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

I recently bought a PCPI piggyback RAMcard (original, in shrink-wrapped box)
from Laing Electronics in California - it works great - 128K for $90. They
have a BBS (G.R.F.N. or something like that); if they're not in a recent RCPM
list or you don't have access to that let me know and I'll post more Laing
info. Without a war story I highly recommend the Laing people - they have
knowledgeable technical support, were/are a PCPI field test site (for new
stuff as well), and take plastic. Four stars on both the service and the
product. A RAMdisk for CP/M may be the single most winning purchase you ever
make !

rcs

From -2651329545362393997

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,857ce7ddadc76f57
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-31 17:06:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!uwvax!puff!beilke
From: beilke@puff.wisc.edu (Matt Beilke)
Newsgroups: net.micro.apple
Subject: Re: IIGS Sound Output
Message-ID: <289@puff.wisc.edu>
Date: Fri, 31-Oct-86 20:06:48 EST
Article-I.D.: puff.289
Posted: Fri Oct 31 20:06:48 1986
Date-Received: Sun, 2-Nov-86 23:56:49 EST
References: <8610301956.AA09191@mitre.ARPA>
Organization: U of Wisconsin CS Dept
Lines: 27

In article <8610301956.AA09191@mitre.ARPA>, mcgurrin@MITRE.ARPA (Michael Mcgurrin)
writes:
> I'm curious about the output power for the IIGS. I've seen the port labeled
> headphone in some magazine diagrams, and I understand the BOSE speakers
> have a built-in amp and are designed for use with things like Walkmen.
> Does the output have enough power to drive a small speaker or will I have
> to run it through an amp first? Thanks!

     As you have stated, the BOSE speakers do have a built-in amp (You do
not have to purchase these from Apple, you can get them directly from
BOSE. They are the Room Mate (tm) line). Since, these do have a built-in
amp I would tend to very strongly think that an amp would be required
for any speakers larger than a set of earphones.

    -Matt

==

 UUCP --> ...!{ihnp4,topaz,seismo,harvard}!uwvax!puff!beilke /kirk!diskman
                                                              \uhura!scotty!diskman
                                                \checkov!diskman
     //   ARPA --> beilke@puff.wisc.edu
    //   CSNET --> beilke%puff.wisc.edu@csnet-relay
\\ // AMIGA   UUCP --> ...!{ihnp4,topaz,seismo,harvard}!uwvax!puff!beilke
 \// RULES! USPS --> Matt Beilke, 451 Witte B, Madison, WI 53706, USA

==

From 5096612952342951311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d55b3734fa3e5e79,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 08:30:00 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!LLL-MFE.ARPA!
SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Early][Upgrades
Message-ID: <8611011714.AA24636@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 11:30:00 EST
Article-I.D.: ucbvax.8611011714.AA24636
Posted: Sat Nov 1 11:30:00 1986
Date-Received: Mon, 3-Nov-86 23:12:41 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 24

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Sat, 1-NOV-1986 11:31 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].84F56A80.008F74E6.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

Well, the draw-back with the][,][+, and //e upgrades is that you just
swap the motherboard and keep using the same old keyboard from what I
understand (is this true everyone ?). This means a //e can get by, but
that a][or][+ still would be stuck with the ancient keyboard (I own
an ancient][and a //e). Another problem with ancient][s that "real"
][+'s don't have is that the old][s use a keyboard encoder chip which
is 1) different, and 2) out-of-production. So you'd almost certianly have
to replace the old][keyboards. Outside of that, you're talking wholesale
motherboard upgrade, and since the power supplies are the same I think
you'd be in fat city. But when you add it all up, it still seems like
unless you ALREADY have a mouse and a Unidisk that the upgrade is a LOSE
and you should just sell you old stuff [what are you gonna use all those
cards for now, anyway] and/or just buy the //gs outright and get the nice
detachable keyboard and all of that rot (and get back some desk real estate
that you'll need to abuse your mouse with).

rcs

From -5878803927157974550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b27b741aa0e3902a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 09:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: IIGS
Message-ID: <8611012137.AA26934@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 12:39:00 EST

Article-I.D.: ucbvax.8611012137.AA26934
Posted: Sat Nov 1 12:39:00 1986
Date-Received: Mon, 3-Nov-86 23:33:05 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 15

I am running a IIGS with an Applied Engineering
GS-RAM card (1.5 meg), Profile 5 meg (slot 7)
and SSC (slot 2), and would be willing to answer
any comparision questions (to souped-up //e performance),
software compatibility (AppleWorks V2.0 works great), etc.
(this, of course, dependent upon software available to
me around here). The machine ships without a system
disk (so far), but I got an alpha release of ProDOS 16,
which includes a Mac-like program launcher, but no Finder.
The machine boots under ProDOS 16, and will reset itself
under ProDOS 8 if it is running an older application. If
it is a ProDOS 16 application (such as PaintWorks Plus),
it remains in the ProDOS 16 system.

Mark

From -13971885586674609
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e6df784e47d67423,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 09:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: Bose Roommate Speakers
Message-ID: <8611012008.AA26059@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 12:41:00 EST
Article-I.D.: ucbvax.8611012008.AA26059
Posted: Sat Nov 1 12:41:00 1986
Date-Received: Mon, 3-Nov-86 23:25:33 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

The Bose speakers that all the dealers have are
available for purchase directly from Bose. They
run $229 base price or $279 for a model with
volume control. If anyone is interested, they
should contact Bose directly at (301) 796-3980.

From -6065586344919059430
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,acf1dcaed23c32cf,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 09:52:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: IIGS Mouse upgrades
Message-ID: <8611021718.AA08877@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 12:52:00 EST
Article-I.D.: ucbvax.8611021718.AA08877
Posted: Sat Nov 1 12:52:00 1986
Date-Received: Tue, 4-Nov-86 00:33:10 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 11

One thing should be mentioned concerning the IIGS upgrades
and mice. The IIGS mouse is designed to run off the bus
architecture, whereas the old mouse is slotted and may not
(guessing on this one) work in the same fashion. Apple has
yet to put the upgrades on their official price lists, and
when they do, it will be interesting to see if they offer
a bus-designed IIGS mouse as an available option. If I were
going to upgrade a //e, and I am, I would not run out and
buy an AppleMouse II now, regardless of the deal.

Mark

From -5390702647625493624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d0867de7f4cff50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 12:24:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: GS books
Message-ID: <563@sdcc18.ucsd.EDU>
Date: Sat, 1-Nov-86 15:24:28 EST
Article-I.D.: sdcc18.563
Posted: Sat Nov 1 15:24:28 1986
Date-Received: Mon, 3-Nov-86 23:40:56 EST
References: <219@drune.UUCP> <3656@mit-eddie.MIT.EDU>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego
Lines: 21
Keywords: 65816, Brady Publishing

In article <3656@mit-eddie.MIT.EDU> zrm@mit-eddie.UUCP (Zigurd R. Mednieks)
writes:
>Not specifically on the IIGS but interesting anyway is a book entitled

>something like "The 6502, 65C02, and 65C816" by David Eyes, published by Brady.

The title is closer to "Programming the 65816". If you already know
assembly language, the book is a very good introduction to the
chip and its heritage.

>David had access to many if not all of the pre-production revs of the '816,
>and he now works at Apple...

David is in charge of the tools group (responsible for APW, etc.) at
Apple, I believe.

>I haven't seen ANY 65816 books in the stores on the east coast yet, but there
>are ads for it in many computer magazines.

I've found plenty here in San Diego. They should ooze out to all
corners of the continent pretty quickly.

grobbins

From -6176477298301212455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,281981c5e2e70f6a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-11-01 12:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!IRISHMVS.BITNET!CDTAXW
From: CDTAXW@IRISHMVS.BITNET
Newsgroups: net.micro.apple
Subject: BOSE clarification
Message-ID: <8611012301.AA27931@ucbvax.berkeley.edu>
Date: Sat, 1-Nov-86 15:40:00 EST
Article-I.D.: ucbvax.8611012301.AA27931
Posted: Sat Nov 1 15:40:00 1986
Date-Received: Mon, 3-Nov-86 23:42:00 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 7

The 229 price I gave includes the speakers which match
the color scheme of the IIGS and have a little Apple logo
on them. The 279 price is for a set of black speakers with
volume control. With the purchase of either between Nov 1
and January 10, you get either Activision's The Music Studio,
Electronic Art's Music Construction Set or Great Wave's
KidsTime II software free from Apple and the vendor.

From -2528453054901140464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f8c03fe6e555bb,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-10-17 09:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!asd.DEC.COM!binder
From: binder@asd.DEC.COM ("Exit, pursued by a bear")
Newsgroups: net.micro.apple
Subject: Re: Z80-card Questions
Message-ID: <8610171336.AA12861@decwrl.dec.com>
Date: Fri, 17-Oct-86 12:04:00 EDT
Article-I.D.: decwrl.8610171336.AA12861
Posted: Fri Oct 17 12:04:00 1986
Date-Received: Fri, 17-Oct-86 23:01:27 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 92

I haven't seen any responses to this query, so here's my tuppence worth.

buddy.Berkeley.EDU!c9c-bi@ucbcad.arpa (Jonathan Dubman) writes:

> 1. I have seen Z80 cards for as low as $29 mail-order. Applied Engineering
>   sells their 6.0 MhZ version for $140. Is there a difference besides the
>   speed?

Yes, there is a difference in the way the Z80 card integrates with the Apple/s native 6502. Some do this better than others. Some of the newer cards (e.g., StarCard, Gold Card) have their own 64K memory onboard and so don't need to lock arms with the Apple. These are the 6 MHZ cards. Some of them even have 80-column support built in. The cheaper cards are less likely to be compatible with a wide software base, and some of them do not include CP/M!

There is also a difference in the card's compatibility with various versions of CP/M. The BIOS must be tailored to a given card, and programs that are written to use a specific BIOS won't always work on other cards. For example, the StarCard's COPYFRMT won't run on a SoftCard. You cite the AE Z80-Plus. This card is fully compatible with SoftCard. I like AE stuff, but my Z80 card is a StarCard, because it came for $30 with WordStar Professional.

> 2. How fast do normal Z80 cards go anyway? 2.5 MhZ or 1.0 MhZ?

The original Microsoft SoftCard used a lockstep clock derived from the Apple's clock, and it took over the whole Apple machine. That design meant that it ran at twice the speed of the Apple's clock, or just over 2 MHz. Newer cards do things differently - I *think* the Z80-Plus runs at 4 MHz rather than the 6 MHz you state, and the StarCard and Gold Card both run at 6 MHz.

> 3. What are the differences between different versions of CP/M? I have
>   heard of 1.6, 2.2, and higher versions.

Differences are in commands, BDOS functionality, and other more obscure places. V3.0 and onwards are enhancements by individual licensees rather than by Digital Research - the latest DR version that I know of is the 2.23 that came with the old SoftCard. (If this is wrong, my apologies!) My StarCard came with 2.2, and a friend's Gold Card came with CPM+ V3.0.

> 4. Do all versions of CP/M run on all normal Z80 cards?

NO!!! See above, answer to Q.1.

> 5. Are any cards slot-dependent?

No. Slot 4 is recommended, but 4, 5, or 7 works fine. On the other hand, all cards expect your printer card to be in slot 1, your comm card to be in slot 2, and your 80-column card (if requuired) to be in slot 3. The Apple //e's auxiliary slot phantoms slot 3 for 80-column usage.

> 6. How compatible is CP/M with the Videx 80 column cards? More than 80
>   column? (Like Videx Ultraterm, which I have.)

Works fine. Videx cards understand the Soroc IQ-120 hardware protocol, and that's what most versions of CP/M come set up for. All versions that I've seen give you a utility to tailor the terminal handling. If you're using WordStar and a SoftCard, you'll need to alter the highlighting codes in the BIOS, but it works fine. With the UltraTerm, you can use a SUBMIT file to set your video for hi-res characters, or more rows and columns.

> 7. Is CP/M public domain or do you have to buy it from somewhere?
>   Who makes it for the Apple. Digital Research?

CP/M is not PD. Digital Research owns it, but licenses it to the card makers.

> 8. Can I transfer files from CP/M to DOS 3.3 and back? I have in mind
>   text files and binary files. I need to take the output of the
>   assembler and get into the Apple Monitor to write it on an EPROM.

With some versions, you get a utility that will transfer files back and forth. Some versions have a utility that will only go from DOS 3.3 to CP/M (notably the old Microsoft version, which I have but don't use any more).

> 9. Anyone know of a good Z80 Assembler and where to get it? Public
>   Domain? It must support Z80 opcodes (not 8080) and all Z80 instructions.
>   How do you create files for the assembler? With WordStar or editor built
>   into the assembler?

There is a good PD Z80 assembler available from the SIMTEL20 archives - I've lost its name. I have the Microsoft M80, which is fine for my needs. All the good assemblers take files you create with your favourite editor - the editor that comes built into Turbo Pascal has some rather nifty features, like automatic indenting, that make it a delight to use. (Turbo is almost worth the price for its editor alone!) WordStar works fine. If you're a masochist, use ED. :-)

Cheers,
Dick Binder   (The Stainless Steel Rat)

DEC Enet: ASD::BINDER
UUCP: { decvax, allegra, ucbvax... }!decwrl!asd.dec.com!binder

ARPA: binder%asd.DEC@decwrl.ARPA

From -4932707833761164701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9497c2673776f6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 11:50:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5 (Ben Cranston)
Newsgroups: net.micro.apple
Subject: Re: Kermit-][
Message-ID: <1297@umd5>
Date: Fri, 17-Oct-86 14:50:02 EDT
Article-I.D.: umd5.1297
Posted: Fri Oct 17 14:50:02 1986
Date-Received: Sat, 18-Oct-86 00:49:54 EDT
Organization: University of Maryland, College Park
Lines: 24
Summary: Just keep watching

In article <419@husc6.HARVARD.EDU> nakada@husc4.UUCP (paul nakada) writes:

> I have been following (at least trying) to follow the saga of
> Kermit-][and I just saw the documentation for it come up in net.sources..
> Somewhere along the line, though, I missed the process for obtaining
> it.. Is there anyone who can give me detailed instructions for obtaining
> it, or is there anyone who can mail it to me??

Just keep watching the net.sources newsgroup. I posted the documentation
two days ago but it bounced, so I had to repost it. Now that it seems to
be getting out, watch for two postings, one of the mimimal kernel subset
to get it working, and another with the rest of the stuff.

There are a bunch of Kermits around. The one Ted Medin at Shark has been
talking about seems to be a descendant of the Stevens Tech Kermit 65. I
think this Kermit][was originally the same, but somebody moved a lot of
stuff from assembly back to Applesoft Basic. Seems like a great leap
backwards, but actually is a big win because tokenized Applesoft is far
denser than machine code (though a lot slower) and more functionality can
be packing into the rather limited memory of the Apple][+.
--
                    umd5.UUCP   <= {seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben
Ben Cranston zben @ umd2.UMD.EDU   Kingdom of Merryland Sperrows 1100/92
                    umd2.BITNET   "via HASP with RSCS"

From 1475171713358914759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8fb49b4bf88515
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 12:31:48 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: //GS emulation cards
Message-ID: <2149@ecsvax.UUCP>
Date: Fri, 17-Oct-86 15:31:48 EDT
Article-I.D.: ecsvax.2149
Posted: Fri Oct 17 15:31:48 1986
Date-Received: Tue, 21-Oct-86 20:26:50 EDT
References: <8610150548.AA22311@ai.wisc.edu>
Organization: UNC Educational Computing Service
Lines: 12

> A friend told me today that he read a couple of articles that mentioned
> that Apple was coming out with a Mac card and with an IBM PC card for
> the //GS sometime in the next few months (before February). Anyone
> else see this or know more? I believe he read it in Electronic
> Times.

A friend of mine read the same rumor in EE Times. Sounds interesting
I wonder how true they are.

Rick

ranger@ecsvax

From 5939999453682565427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed08f92fa362d8b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 13:06:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Re: //gs cost considered deciding factor
Message-ID: <6294@topaz.RUTGERS.EDU>
Date: Fri, 17-Oct-86 16:06:45 EDT
Article-I.D.: topaz.6294
Posted: Fri Oct 17 16:06:45 1986
Date-Received: Fri, 17-Oct-86 23:06:52 EDT
References: <8610141241.AA12605@ucbvax.Berkeley.EDU>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7

$1900 for an Upgrade? a new GS costs only about $1800 retail, and
complete systems wholesale (color) are even less! An upgrade should
sell for $600. After all the X-tras one must get, it runs close to
$1000 at most I would think.
                  $1900, Hmmmmm.
                  John Langbein

(langbein@topaz)

From -2350619489836768153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,89d932a0498781b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 13:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ucbcad!ucbvax!
UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: CPM Card problems
Message-ID: <8610172210.AA17060@ucbvax.Berkeley.EDU>
Date: Fri, 17-Oct-86 16:41:00 EDT
Article-I.D.: ucbvax.8610172210.AA17060
Posted: Fri Oct 17 16:41:00 1986
Date-Received: Sat, 18-Oct-86 00:52:01 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 19

Date: Fri, 17 Oct 86 13:35 PDT
From: PATRICK RYAN <D7314@UWAVM>
Subject: CPM Card problems
To: <INFO-APPLE@BRL.ARPA>

I had much the same problem with my Microsoft CP/M card. It worked alright
for about 2 months in slot 8 & then one day the computer wouldn't boot. I
pulled all the cards and tried it & it worked fine. I finally determined that
it was the card (but only in slot 8). So I put it in slot 7. 'phut' said my
computer, creating massive anxiety on my part. To make a long story short,
the card was pulling too much power off of an admittedly overladen mother board
(all but 2 slots are full now). The solution: I bought a new card! Works
great! (and since I am a legal owner of a microsoft card, I still have all the
nice microsoft software).

     This is probably what you didn't want to hear....

                                                    Patrick Ryan

From 5340951234169580647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76b9a53e0104eb31,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 14:49:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!ulysses!mhuxr!mhuxt!houxm!ihnp4!gargoyle!
sphinx!ant3
From: ant3@sphinx.UChicago.UUCP (Butch Anton)

Newsgroups: net.micro.apple
Subject: Hard Disk format utilities
Message-ID: <715@sphinx.UChicago.UUCP>
Date: Fri, 17-Oct-86 17:49:59 EDT
Article-I.D.: sphinx.715
Posted: Fri Oct 17 17:49:59 1986
Date-Received: Tue, 21-Oct-86 04:08:08 EDT
Reply-To: ant3@sphinx.UUCP (Butch Anton)
Organization: Univ. of Chicago Computation Center
Lines: 25
Keywords: Franklin

Hello out there....I have a small problem (actually, it was
a big one, but I've since downgrade the severity). About
a week ago, my hard disk (a Franklin DataX10) decided
that it was time to crash. Well, I had no backup, and
had been planning on reformatting it with CP/M space anyhow.
So, I did. But now, I would like to also put ProDOS on it.
Therefore, can anyone out there recommend a program/utility(ies)
to do this? The stuff that came with it doesn't do ProDOS, and
Franklin has been less that helpful to deal with.

Thanx in advance...

Butch Anton
Systems Analyst, University of Chicago

    uucp: ...ihnp4!gargoyle!sphinx!ant3, ...ihnp4!gargoyle!butch
        ...ihnp4!gargoyle!euler!root, ...ihnp4!gargoyle!euler!butch
    mailnet: x9.xba@UChicago.Mailnet
    bitnet: ant3%sphinx@UChicago.Bitnet
    ARPA: x9.xba%UChicago.Mailnet@MIT-Multics.ARPA
    USnail: (home)   5135 1/2 S. Woodlawn   (312) 752-0850 home
                  Chicago, IL 60615
         (work)   5734 S. Unviersity   (312) 753-9121 work
               Chicago, IL 60637

From -6695043876968676611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc50792ded90d2ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 16:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!sri-spam!nike!ucbcad!ucbvax!LLL-
MFE.ARPA!SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Applicard woes
Message-ID: <8610172318.AA18086@ucbvax.Berkeley.EDU>
Date: Fri, 17-Oct-86 19:08:00 EDT
Article-I.D.: ucbvax.8610172318.AA18086

Posted: Fri Oct 17 19:08:00 1986
Date-Received: Sat, 18-Oct-86 00:53:10 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 18

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Fri, 17-OCT-1986 18:09 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].A76E0B00.008F6954.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

FYI I noticed this bug-a-boo using the PCPI Applicard (6 MHz CP/M-80 card).
I have a Rana Elite I drive, which sports w write-protect light; the drive
is plugged into an Apple Disk][controller. If I plug the controller with
the Rana drive in on a slot higher than the Applicard (e.g. disk in 6,
PCPI in 3) the write-protect on the Rana goes on. Right !

BTW, PCPIers, you can plop your PCPI in slot #3, even in a //e - the ROM on
the card is only there for the bootstrap and isn't in a typical place.

rcs
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From 1872647670811097873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed08f92fa362d8b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 20:50:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!XX.LCS.MIT.EDU!
OAF.G.PELLER%OZ.AI.MIT.EDU
From: OAF.G.PELLER%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Adam Peller)
Newsgroups: net.micro.apple
Subject: Re: //gs cost considered deciding factor
Message-ID: <8610180519.AA22944@ucbvax.Berkeley.EDU>
Date: Fri, 17-Oct-86 23:50:35 EDT
Article-I.D.: ucbvax.8610180519.AA22944
Posted: Fri Oct 17 23:50:35 1986
Date-Received: Tue, 21-Oct-86 08:07:27 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 29

Message-ID: <12247671799.61.OAF.G.PELLER@OZ.AI.MIT.EDU>

From what I have heard:

  the upgrade will be available January '87. The prices I've heard have
  varied from $499 to $599. This includes installation of a new mother-
  board and back panel with 2 serial ports, disk drive port, scsi hard

drive port, mouse, etc. According to apple's rules, this must be
installed by an "authorized dealer"

You will need a mouse -- Mouse system A+ mouse from $50-$80

If you want color, you will need the //gs RGB monitor -- LIST $499, but
of course, you can use a monochrome monitor if you wish.

You'll probably want a 3.5 drive -- Apple's list $399, but there are generics
for $100 less..

this should come to about $900 for a basic upgrade w/o RGB color,
$1400 w/RGB.

If you consider that the $500 upgrade gives you a few hundred dollars worth
of ports and a time card, it doesnt sound all that unreasonable.

Adam Peller -- AdamP%Oz@Mc.Lcs.Mit.Edu (arpa)

From -1677909555366641258
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,56569df334ace9e6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-17 23:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!DOCKMASTER.ARPA!TMPLee
From: TMPLee@DOCKMASTER.ARPA
Newsgroups: net.micro.apple
Subject: A Plea for Brevity
Message-ID: <861018063639.282231@DOCKMASTER.ARPA>
Date: Sat, 18-Oct-86 02:36:00 EDT
Article-I.D.: DOCKMAST.861018063639.282231
Posted: Sat Oct 18 02:36:00 1986
Date-Received: Tue, 21-Oct-86 08:39:44 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 10

I know this will probably fall on deaf ears (or blind eyes): I surely
would appreciate it if people did *NOT* include copies of what they are
replying to in their replies -- messages full of >>'s etc. are hard to
read, several times longer than they need to be, and clog up the net.
Just because you have a mail system that with the touch of a finger will
copy the original message and surround it with funny marks is no excuse
for exercising that option. And by the second or third time around its
only stupid.

time and space are valuable

From 843108501324037514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5404ca359dd3572
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 07:55:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!rutgers!lll-crg!seismo!umcp-cs!aplcen!osiris!
eric
From: eric@osiris.UUCP (Eric Bergan)
Newsgroups: net.micro.apple
Subject: Re: //x
Message-ID: <894@osiris.UUCP>
Date: Sat, 18-Oct-86 10:55:54 EDT
Article-I.D.: osiris.894
Posted: Sat Oct 18 10:55:54 1986
Date-Received: Tue, 21-Oct-86 22:36:54 EDT
References: <8610170508.AA24021@brillig.umd.edu>
Organization: Johns Hopkins Hospital
Lines: 17

In article <8610170508.AA24021@brillig.umd.edu>, don@BRILLIG.UMD.EDU (Don Hopkins)
writes:
> The //x is what the //gs was called before it was called the //gs (or
> announced).
>   -Don

    This is not entirely true. The //x was a staffed project at Apple
a couple of years ago, but was eventually shelved. After the continued
strength of the // line (the Mac didn't kill it), Apple decided to restart
a similar project, which ended in the //gs. The biggest difference that
I know of is that the //x was supposed to be both //e and Mac. compatable.
The //gs certainly is not. There have been several articles in A+, Byte,
Call A.P.P.L.E. and others that detail the history of the //x and the //gs.

--

                    eric
                    ...!seismo!umcp-cs!aplcen!osiris!eric

From 4512362885420985329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed08f92fa362d8b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 07:58:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!rutgers!lll-crg!seismo!umcp-cs!aplcen!osiris!
eric
From: eric@osiris.UUCP (Eric Bergan)
Newsgroups: net.micro.apple
Subject: Re: //gs cost considered deciding factor

Message-ID: <895@osiris.UUCP>
Date: Sat, 18-Oct-86 10:58:32 EDT
Article-I.D.: osiris.895
Posted: Sat Oct 18 10:58:32 1986
Date-Received: Tue, 21-Oct-86 22:37:07 EDT
References: <8610141241.AA12605@ucbvax.Berkeley.EDU> <6294@topaz.RUTGERS.EDU>
Organization: Johns Hopkins Hospital
Lines: 14

In article <6294@topaz.RUTGERS.EDU>, langbein@topaz.RUTGERS.EDU (John E. Langbein)
writes:
> $1900 for an Upgrade? a new GS costs only about $1800 retail, and
> complete systems wholesale (color) are even less! An upgrade should
> sell for $600. After all the X-tras one must get, it runs close to
> $1000 at most I would think.

     Call A.P.P.L.E. quotes the price of the upgrade as $499. This
does not include a mouse. Also does not include any disk drives, monitors,
etc.

--

                        eric
                        ...!seismo!umcp-cs!aplcen!osiris!eric

From 467137938466380510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,56569df334ace9e6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 08:25:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!lll-crg!nike!ucbcad!ucbvax!XX.LCS.MIT.EDU!
Mly.G.Pogo%OZ.AI.MIT.EDU
From: Mly.G.Pogo%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Bob Soron)
Newsgroups: net.micro.apple
Subject: Re: A Plea for Brevity
Message-ID: <12247798309.61.MLY.G.POGO@OZ.AI.MIT.EDU>
Date: Sat, 18-Oct-86 11:25:31 EDT
Article-I.D.: OZ.12247798309.61.MLY.G.POGO
Posted: Sat Oct 18 11:25:31 1986
Date-Received: Tue, 21-Oct-86 05:43:23 EDT
References: <861018063639.282231@DOCKMASTER.ARPA>
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 5

I second your plea for brevity. I just read a message on this list that
had ">"s _four levels deep_. Utterly ridiculous.

From 2332438355280577596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2725a1001b75f13d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 08:46:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!lll-crg!nike!ucbcad!ucbvax!BRL.ARPA!gwyn
From: gwyn@BRL.ARPA (Doug Gwyn, VLD/VMB)
Newsgroups: net.micro.apple
Subject: mail list maintenance
Message-ID: <8610181146.aa07024@VGR.BRL.ARPA>
Date: Sat, 18-Oct-86 11:46:51 EDT
Article-I.D.: VGR.8610181146.aa07024
Posted: Sat Oct 18 11:46:51 1986
Date-Received: Tue, 21-Oct-86 05:43:36 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 6

Several people have recently sent messages to the INFO-APPLE@BRL.ARPA
mailing list that should instead have been sent to
INFO-APPLE-REQUEST@BRL.ARPA. Please address all mailing list
maintenance correspondence solely to the latter address.

P.S. I don't know who, if anyone, is maintaining the list.

From -4783423507921397073
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c9df554a4959681,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 09:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!lll-crg!nike!ucbcad!ucbvax!LLL-
MFE.ARPA!SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: //gs cost
Message-ID: <8610181717.AA01438@ucbvax.Berkeley.EDU>
Date: Sat, 18-Oct-86 12:55:00 EDT
Article-I.D.: ucbvax.8610181717.AA01438
Posted: Sat Oct 18 12:55:00 1986
Date-Received: Tue, 21-Oct-86 05:45:47 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 69

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Sat, 18-OCT-1986 11:55 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].9153ABA0.008F69E9.SECRIST>
Header-Disclaimer: I don't like my headers either !

X-VMS-Mail-To: APPLE

First off, let me say despite my "//gs cost deciding factor" message
I am favorable to the upgrade if it can be done cheaply enough. The
problem is for a lot of us that the extra ports and all of that aren't
so wonderful since many have already invested in sundry cards to attain
the same functionality.

It'd be nice to get a working group together on INFO-APPLE so we can
put our minds together to come up with the cheapest upgrade cost
possible. Adam's message below is a good starting point...

> From: "Adam Peller" <OAF.G.PELLER%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU>
> Subject: Re: //gs cost considered deciding factor
>
> From what I have heard:
>
> the upgrade will be available January '87. The prices I've heard have
> varied from $499 to $599. This includes installation of a new mother-
> board and back panel with 2 serial ports, disk drive port, scsi hard
> drive port, mouse, etc. According to apple's rules, this must be
> installed by an "authorized dealer"

The "enhanced //e" upgrade was an "authorized dealer" upgrade but I did it
myself and kept my ROMs; I was simply insisted that they sell the upgrade to
me for $70 or I'd take my money elsewhere (of course they're bankrupt now,
too.) Does anybody think we'll get away with keeping our //e motherboards ?

>
> You will need a mouse -- Mouse system A+ mouse from $50-$80

I guess this is a clone. What about software that checks the ROMs ?
Any news on this ?

>
> If you want color, you will need the //gs RGB monitor -- LIST $499, but
> of course, you can use a monochrome monitor if you wish.
>
> You'll probably want a 3.5 drive -- Apple's list $399, but there are
> generics for $100 less..

Where can I find a UniDisk-compatable for $100 or less !? Again, what about
ROM checks by the software ?

>
> this should come to about $900 for a basic upgrade w/o RGB color,
> $1400 w/RGB.

Ouch ! We're already into Atari/Amiga land here, like I said originally !

>
> If you consider that the $500 upgrade gives you a few hundred dollars
> worth of ports and a time card, it doesnt sound all that unreasonable.

Yeah, like I said above - if you don't have any cards that's true, but I'm sure I'm like a lot of old Apple hands with a][,][+, //e *full* of cards !

>
>   Adam Peller -- AdamP%Oz@Mc.Lcs.Mit.Edu (arpa)

Thanks for the comments Adam, I'd like to hear about those clone prices !

Richard
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From 424984794219066273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f05e34cd5024d943,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 10:02:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!lll-crg!nike!ucbcad!ucbvax!LLL-MFE.ARPA!SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: //gs cost again...
Message-ID: <8610181730.AA01554@ucbvax.Berkeley.EDU>
Date: Sat, 18-Oct-86 13:02:00 EDT
Article-I.D.: ucbvax.8610181730.AA01554
Posted: Sat Oct 18 13:02:00 1986
Date-Received: Tue, 21-Oct-86 05:46:14 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 29

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Sat, 18-OCT-1986 12:03 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].A9FCBB00.008F69EA.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

> From: "John E. Langbein" <langbein@topaz.rutgers.edu>
> Subject: Re: //gs cost considered deciding factor
>
> $1900 for an Upgrade? a new GS costs only about $1800 retail, and
> complete systems wholesale (color) are even less! An upgrade should
> sell for $600. After all the X-tras one must get, it runs close to
> $1000 at most I would think.
> $1900, Hmmmmm.
>   John Langbein

That's right, you can "upgrade" and keep you //e motherboard no problem ! Just go to your dealer with $1800, leave your //e at home, and buy the //gs ! (Then I can set it beside my][and //e, and have compatability

with everything written since 1976 guaranteed !)

After all, a glut of //e's on the market will hurt the clone market pretty bad...

Frustrated (sigh, so when's the //x coming out, anyway ?) !

Richard
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From -2434271863844755598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13131310748153ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 10:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!lll-crg!nike!ucbcad!ucbvax!LLL-MFE.ARPA!SECRIST%OAK.SAINET.MFENET
From: SECRIST%OAK.SAINET.MFENET@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Apple PC card
Message-ID: <8610181718.AA01449@ucbvax.Berkeley.EDU>
Date: Sat, 18-Oct-86 13:05:00 EDT
Article-I.D.: ucbvax.8610181718.AA01449
Posted: Sat Oct 18 13:05:00 1986
Date-Received: Tue, 21-Oct-86 05:46:01 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 14

From: <SECRIST%OAK.SAINET.MFENET@LLL-MFE.Arpa>   (Richard C. Secrist)
Date: Sat, 18-OCT-1986 12:06 EST
To: INFO-APPLE@BRL.ARPA
Message-ID: <[OAK.SAINET.MFENET].14E1D7C0.008F69EB.SECRIST>
Header-Disclaimer: I don't like my headers either !
X-VMS-Mail-To: APPLE

A recent Byte said a bunch of Apple employees are endeavoring on an IBM-PC card for //e's. In my opinion the problem with that is the card has to be pretty cheap to compete with inexpensive PC clones (I mean heck, just buy a clone if it's gonna cost $1,000 to have a //e add-on !).

Richard
SECRIST%OAK.SAInet.MFEnet@LLL-MFE.Arpa

From 8207822394916665059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,357c650003990c43,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-18 22:43:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!caip!elbereth!rutgers!sri-spam!sri-unix!hplabs!ucbvax!
XX.LCS.MIT.EDU!Mly.G.Pogo%OZ.AI.MIT.EDU
From: Mly.G.Pogo%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Bob Soron)
Newsgroups: net.micro.apple
Subject: IIGS Upgrades
Message-ID: <12247954475.71.MLY.G.POGO@OZ.AI.MIT.EDU>
Date: Sun, 19-Oct-86 01:43:22 EDT
Article-I.D.: OZ.12247954475.71.MLY.G.POGO
Posted: Sun Oct 19 01:43:22 1986
Date-Received: Tue, 21-Oct-86 21:16:27 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 8

You folks who are paranoid about keeping your //e motherboards remind me
of someone who buys a 1986 car and decides to trade it in for a 1987
model but keeps the engine and transmission because s/he paid for it.

Grow up!

From -4217040787965161597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cd622971ee77c77
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-19 17:19:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!sdcsvax!sdics!hestenes
From: hestenes@sdics.UUCP (Eric Hestenes)
Newsgroups: net.micro.apple
Subject: Re: IIGS emulation cards
Message-ID: <257@sdics.UUCP>
Date: Sun, 19-Oct-86 20:19:00 EDT
Article-I.D.: sdics.257
Posted: Sun Oct 19 20:19:00 1986
Date-Received: Wed, 22-Oct-86 01:31:49 EDT
References: <8610161420.AA15953@ucbvax.Berkeley.EDU> <554@sdcc18.ucsd.EDU>
Organization: U.C. San Diego, Institute for Cognitive Science
Lines: 28
Summary: that is a bit naive

In article <554@sdcc18.ucsd.EDU>, ee161abt@sdcc18.ucsd.EDU (Grobbins) writes:
> In article <8610161420.AA15953@ucbvax.Berkeley.EDU> CDTAXW@IRISHMVS.BITNET
writes:
> >Expect to see Applied Engineering bring out an MS-DOS card which
> >will basically "give you an MS-DOS compatible (clone) machine".
> >Mark

> Getting a II to run MS-DOS software involves attaching what is
> virtually an IBM PC clone to a II, and that is generally going to be

> more expensive than just buying a whole new IBM clone machine &
> sitting it down next to the Apple & connecting them by a cable for data
> transfer. To me, the most dubious part of Mark's posting is the
> "very reasonable price."
> Grobbins.

This is a bit naive. The factors that made the apple][+,e
difficult to 'compatiblize' have been fixed with the][gs.
The biggest stumbling block is the lame screen mapping on the
old apples. The linear screen area on the new apple with eliminate
a major problem. Other problems like memory management have also
been repaired with the new hardware. It should, therefore, be significantly
more simple to create a PC clone card for the gs than it was for the
][+,e. This, in turn will drop the price of the card. The "very
reasonable price" should be possible because now they *won't* have to
create a whole PC clone on the card, just a 8088 processor and bus interface.
Previously, one had to add memory and graphics hardware, as well as deal with
incompatible file formats and other problems.

eric

From 9089627323765032650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f05e34cd5024d943
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-19 18:22:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Re: //gs cost again...
Message-ID: <6339@topaz.RUTGERS.EDU>
Date: Sun, 19-Oct-86 21:22:25 EDT
Article-I.D.: topaz.6339
Posted: Sun Oct 19 21:22:25 1986
Date-Received: Tue, 21-Oct-86 21:56:07 EDT
References: <8610181730.AA01554@ucbvax.Berkeley.EDU>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 8

Folks,
     There IS A MOTHERBOARD UPDATE! It is in exchange for your old
motherboard and about $500 at the latest "new price level". After all
nice things are bought (Color monitor, 2 New drives, Mouse), the cost
is about $1200! Not a great price, but it might be a good idea to hold
on to your old drives for a while. However, it might be possible to
get the system with drives for under $1000, but don't hold me to it.
                  John Langbein.

From 8925455564526536047
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,a5404ca359dd3572
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-19 19:54:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!
h.cc.purdue.edu!ags
From: ags@h.cc.purdue.edu (Dave Seaman)
Newsgroups: net.micro.apple
Subject: Re: //x
Message-ID: <3156@h.cc.purdue.edu>
Date: Sun, 19-Oct-86 22:54:05 EDT
Article-I.D.: h.3156
Posted: Sun Oct 19 22:54:05 1986
Date-Received: Tue, 21-Oct-86 22:40:51 EDT
References: <8610170508.AA24021@brillig.umd.edu>
Reply-To: ags@h.cc.purdue.edu.UUCP (Dave Seaman)
Organization: Purdue University Computing Center
Lines: 10

In article <8610170508.AA24021@brillig.umd.edu> don@BRILLIG.UMD.EDU (Don Hopkins)
writes:
>The //x is what the //gs was called before it was called the //gs (or
>announced).
>   -Don

This should not be confused with the][x, which is what the //e was called
before it was called the //e (or announced).
--
Dave Seaman
ags@h.cc.purdue.edu

From 6236190302853602615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,33fc4fa2f53f4397,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-19 21:09:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!mit-eddie!genrad!decvax!ucbvax!
kim.Berkeley.EDU!jchan
From: jchan@kim.Berkeley.EDU (Jeffery Chan)
Newsgroups: net.micro.apple
Subject: KEYIN and DOS
Message-ID: <16192@ucbvax.BERKELEY.EDU>
Date: Mon, 20-Oct-86 00:09:24 EDT
Article-I.D.: ucbvax.16192
Posted: Mon Oct 20 00:09:24 1986
Date-Received: Tue, 21-Oct-86 22:30:00 EDT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: jchan@kim.Berkeley.EDU.UUCP (Jeffery Chan)
Organization: University of California, Berkeley
Lines: 51
Keywords: Where's der bug?

][

Is there anyone out there who can explain what's happening on my][e?

Here's the contents of foo1.
```
800:20 8E FD  JSR $FD8E {CROUT}
803:20 1B FD  JSR $FD1B {KEYIN}
806:60        RTS
```

Here's the contents of foo2.
```
800:20 1B FD  JSR $FD1B {KEYIN}
803:60        RTS
```

I've bsaved both files under 3.3 DOS (I think this could
be the cause of the problem) and I BRUN both programs (from applesoft).
The program foo2 returns to the "]" prompt after pressing a key while
foo1 just hangs there after I press a key.

Both programs returns when I call them from applesoft and monitor
(with CALL 2048 or 800G).

One last note-- on the screen the programs looks like this:
The "x" is the location where the prompt for the KEYIN appears:

```
]BRUN foo1
x
{And the program hangs}


]BRUN foo2x
]
{etc.}
```

PLEASE *MAIL* REPLIES TO ME.

  This is in caps because the last time I said this some one went ahead
  and posted their answer anyways. I think this sounds appropriate:
  Chisholm's Third Law (a corollary): If you explain so clearly
  that nobody can misunderstood, somebody will.

Jeff Chan
jchan@kim.Berkeley.EDU

Imangine this: Jan Hammer doing the incidential music for "Dr. Who".

From 7568594572089552921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cd622971ee77c77
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 07:53:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!mit-eddie!genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: IIGS emulation cards
Message-ID: <2152@ecsvax.UUCP>
Date: Mon, 20-Oct-86 10:53:17 EDT
Article-I.D.: ecsvax.2152
Posted: Mon Oct 20 10:53:17 1986
Date-Received: Wed, 22-Oct-86 03:35:33 EDT
References: <8610161420.AA15953@ucbvax.Berkeley.EDU> <554@sdcc18.ucsd.EDU>
Organization: UNC Educational Computing Service
Lines: 23

>
> Many attempts have been made at giving II's MS-DOS compatibility,
> most notably the Rana MS-DOS drive that Apple helped design. (I
> don't know if it ever hit the market, but it was announced.)
> Getting a II to run MS-DOS software involves attaching what is
> virtually an IBM PC clone to a II, and that is generally going to be
> more expensive than just buying a whole new IBM clone machine &
> sitting it down next to the Apple & connecting them by a cable for data
> transfer. To me, the most dubious part of Mark's posting is the
> "very reasonable price."
>
> Rule of thumb: never by a computer, short of a true clone, for
> compatibility with another machine. Somewhere, some time, when you
> least expect it, you're going to be let down hard.
>
The biggest problem with the ranaRana system was providing IBM compatible
video in the Apple. Since the //gs has 640X200 capability and keyboard
interrupt, the problems should be much easier to solve. I guess we will
have to wait and see.

Rick
>
> Grobbins.

From -5717267086279564285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98f57c12b8495094,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 10:11:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)

Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e (the state of 65xxx parts)
Message-ID: <917@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 20-Oct-86 13:11:17 EDT
Article-I.D.: cbmvax.917
Posted: Mon Oct 20 13:11:17 1986
Date-Received: Tue, 21-Oct-86 06:47:30 EDT
References: <2141@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 34

>
> I burned out the 4mhz 65C02 in my accelerator over a year ago and bought
> a replacement off the shelf for less than $12 (single unit) it was a
> Rockwell chip but the supplier said GTE was available too at the same
> price, but he didn't have any in stock. Bill Mensch said more than a
> year ago that the parts WDC was shipping were all 4mhz (even when 1 or
> 2 mhz were ordered), I don't know who manufactured these parts, but you
> are right, WDC sends all of their fabrication work out.
>
> Rick

$12 is a hand-tested price. A production 2MHz part is less than $1.00 in
cost, that might be as much as $2.00 in single quantities. Production
4MHz 65C816 chips were started at around $8.00 a piece in large quantity
(8 MHz 68000s are around $5.00 in quantity), though that price will
certainly drop over the next year. About two years ago we go some parts
directly through WDC, 65C816 chips, and they were labeled "4MHz", but
they'd only run at around 500 KHz. The 4 MHz parts I have from GTE run fine
at 2.04MHz, and I see no reason why they couldn't run at 4MHz. But these
haven't been available for that long. I wouldn't expect to see 6MHz parts
for awhile yet, except for an occasional hand-tested 4MHz part; OK for
hobbying and high priced 3rd party add-ons, but nothing a large manufacturer
is going to base a production computer on. Also, a system running at 4MHz
will barely be able to use DRAMs. A 6MHz system will have to use static
RAM, which will significantly increase the system price; you pay much
more for memory than you do for the CPU chip.

--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh
         "Techno-Hippie, heathen, designing evil computers"

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -5373429740833543993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc62b0cf80baa594,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 11:42:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!caip!think!mit-eddie!genrad!decvax!tektronix!tekgen!
tekred!mikec
From: mikec@tekred.UUCP
Newsgroups: net.micro.apple
Subject: 3.5" disk drives
Message-ID: <800@tekred.UUCP>
Date: Mon, 20-Oct-86 14:42:43 EDT
Article-I.D.: tekred.800
Posted: Mon Oct 20 14:42:43 1986
Date-Received: Wed, 22-Oct-86 03:10:37 EDT
Reply-To: mikec@tekred.UUCP (Mike Combs)
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 32

I recently purchased a 3.5" disk drive from Central Point Software. For my //e, I also had to buy a controller card. The purchase includes Copy][+. Total price, with shipping was $300.

The drive works great on the //e. I can also use my 5 1/4" drive on the same controller card. The drive will plug directly into my Macintosh. It will not plug into the //c, nor can you daisy chain it with other Apple 3.5" drives.

Central Point tells me the drive should work with the //gs. Since Apple's new 3.5 drives plug into the //gs or Macintosh, I'm betting that you don't even need the controller card to plug this drive into the //gs. Price of the drive & software w/o the controller is $195.

I've used it with ProDOS, and Pascal. It won't boot as a Pascal drive. (It works fine, otherwise. Another reason to switch to Kyan Pascal.) Since it conforms to Apple's standards for drives, the DOS 3.3 utilities for the Unidisk 3.5 should work with this. I haven't tried CP/M yet; I'll post when I do.

You could also get a Sider 10mb hard disk, now priced at $499. This would work on a //e or //gs. I really think you need a hard disk w/ the //gs. It takes a long time to load those digitized sound sequences.

The Sider runs about twice as fast as a 3.5" disk, and 1/2 the speed of a RAM disk under ProDOS. 3.5" drives run about the same speed as 5.25" drives.

Oh yeah...disclaimers: Read the organization line; I don't work for Central Point, the folks who make the Sider, Kyan Software, or Apple. And I don't own a Sider 10mb yet.

..mac

From 5887638620900005983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 109c0d,ba8c2764b674d476,start
X-Google-Attributes: gid109c0d,public
X-Google-Thread: 1622d3,ba8c2764b674d476,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 13:21:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!husc6!seismo!vrdxhq!BASKIN!peter
From: peter@BASKIN.UUCP (Peter Klosky)
Newsgroups: misc.forsale,net.micro.apple
Subject: ALS Apple CP/M Card For Sale (CP/M 3+)
Message-ID: <110@BASKIN.UUCP>
Date: Mon, 20-Oct-86 16:21:21 EDT
Article-I.D.: BASKIN.110
Posted: Mon Oct 20 16:21:21 1986
Date-Received: Tue, 21-Oct-86 07:12:37 EDT
Organization: Digital Analysis Corporation
Lines: 9
Xref: watmath misc.forsale:13 net.micro.apple:3295

FOR SALE:

ALS CP/M Card with 64K, 6MHz Z80 (spares included),
TONS of PD software, BDS-C, Turbo Pascal, Assemblers
A GREAT BARGAIN FOR $150.00

Call Eric Slone at (800) 533-4000 (9-5:30 EST)
         or (703) 522-8583 (evenings)
         or email seismo!vrdxhq!BASKIN

From 4301017995292830615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,33fc4fa2f53f4397
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 13:40:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: KEYIN and DOS
Message-ID: <328@ski.UUCP>
Date: Mon, 20-Oct-86 16:40:07 EDT
Article-I.D.: ski.328
Posted: Mon Oct 20 16:40:07 1986
Date-Received: Wed, 22-Oct-86 03:46:43 EDT
Reply-To: dr@unix.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 81

In article <> jchan@kim.Berkeley.EDU.UUCP (Jeffery Chan) writes:

>Is there anyone out there who can explain what's happening on my][e?
>
>Here's the contents of foo1.
>800:20 8E FD JSR $FD8E {CROUT}
>803:20 1B FD JSR $FD1B {KEYIN}

>806:60   RTS
>
>Here's the contents of foo2.
>800:20 1B FD JSR $FD1B{KEYIN}
>803:60   RTS
>
>I've bsaved both files under 3.3 DOS (I think this could
>be the cause of the problem) and I BRUN both programs (from applesoft).
>The program foo2 returns to the "]" prompt after pressing a key while
>foo1 just hangs there after I press a key.
>
>Both programs returns when I call them from applesoft and monitor
>(with CALL 2048 or 800G).
>
>One last note-- on the screen the programs looks like this:
>The "x" is the location where the prompt for the KEYIN appears:
>
>]BRUN foo1
>x
>{And the program hangs}
>
>
>]BRUN foo2x
>]
>{etc.}
.
.
>   Jeff Chan
>   jchan@kim.Berkeley.EDU

For an answer, I refer to the excellent "Apple Assembly Lines"
newsletter. Starting in Jan, '86, there have been 4 articles about
DOS 3.3 and BRUN.

To paraphase the articles by Bob Sander-Cederlof, the problem is that
DOS calls your program with a JMP, but htere is stilll a return
address on the stack. BRUN installs the DOS I/O hooks in the input
ans output vectors. When these hooks are installed, any character
input or output will enter DOS first. Since we are still, in effect,
inside DOS (because of the BRUN), we get into a loop.

"If your program tries to do any character I/O through calls to $FDED
(COUT) or $FD0C (RDKEY), any you start your program by BRUNning it
from inside an Applesoft program, you will get DOS into a loop."

Ending such a program with a JMP $3D0 (warm entry) would get you back
into the Applesoft prompt]. However, he says the best way is to
BLOAD the program, and CALL it, which will not hang. (BLOAD foo1, and
CALL 2048 (($800)).

The August '86 issue had another way around the BRUN problem. Since
the CALL statement must know the location of the BLOAD, it is less
convenient than the BRUN command. Someone pointed out that you can

BLOAD the program, and CALL 41876. This call is in the DOS BRUN
processor, and works without having to specify the location of the
BLOAD.

Finally, in Sept. '86, Louis Pitz wrote a short assembly program that
can issue DOS commands and not hang up. At the ned, it detects the
presence or absence of the Applesoft prompt, and issues one of two
returns appropriate to the situation, so it returns properly.

                  -Dave

--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -3704031837760490420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,453ab8fe4f556915,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 13:47:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Reply to Jeff Chan: Add your address
Message-ID: <329@ski.UUCP>
Date: Mon, 20-Oct-86 16:47:14 EDT
Article-I.D.: ski.329
Posted: Mon Oct 20 16:47:14 1986
Date-Received: Wed, 22-Oct-86 03:46:57 EDT
Reply-To: dr@unix.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 29

In article <> jchan@kim.Berkeley.EDU.UUCP (Jeffery Chan) writes:

>PLEASE *MAIL* REPLIES TO ME.
>
> This is in caps because the last time I said this some one went ahead
> and posted their answer anyways. I think this sounds appropriate:
> Chisholm's Third Law (a corollary): If you explain so clearly
> that nobody can misunderstood, somebody will.

>   Jeff Chan

> jchan@kim.Berkeley.EDU

If you want a direct reply, a pathname appended to your signature
would be useful. I, for one, cannot send mail to the address:
         jchan@kim.Berkeley.EDU

                        -Dave

--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 8749405479544437515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,855302c6361b2834,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 17:21:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!bpa!burdvax!psuvax1!psuvm.bitnet!b5u
From: B5U@PSUVMB.BITNET
Newsgroups: net.micro.apple
Subject: The Apple IIGS - Wow (a review, of sorts)
Message-ID: <7980B5U@PSUVMB>
Date: Mon, 20-Oct-86 20:21:26 EDT
Article-I.D.: PSUVMB.7980B5U
Posted: Mon Oct 20 20:21:26 1986
Date-Received: Wed, 22-Oct-86 04:08:43 EDT
Expires: Tue, 4-Nov-86 00:00:00 EDT
Lines: 57

     I have seen the future of color graphics - it is the Apple IIGS.
     I have seen the future of computerized sound - it is the Apple IIGS.

   All I can say is Wow. Totally stunned and destroyed. Awesome. Great, even.
  First, the pictures I have seen in A+ and other magazines do not show the
 computer's size to scale. It is substantially smaller than the //e, almost
 the size of the //c. Tiny in comparison to say, an inferior IBM (ok, that is
 redundant and repetitive; sorry :-))).Yet, still as expandable as a //e
 (the IIGS I saw had a 1-meg expansion installed; Mac + owners BEWARE{I should
 know, I am one}).
  Next, the monitor. RGB monitor, slightly bigger than the //c monochrome.
 Color, unbelievable. Amiga owners will be crying on their keyboards if they
 see the demo I saw. The hi-res graphics were beautiful; the super hi-res are
 simply something to bee seen. The red flower graphic that you can't believe in

A+ simply leaps off the screen. No blurs, no resolution gaps, no fill-in lines (like all the complaints about the //e graphics). When you think it is just a photograph in the magazines IS JUST A PHOTOGRAPH, BUT ON THE SCREEN !! Anything else, you will just have to see (including the hi-res sax player).

Speaking of the sax player, lets not forget the S in IIGS. The computer we were playing with (thanks to Mace Electronics, State College (yes, Nancy, this means you)) had two BOSE 6" X 9" speakers (approved by Apple; it had their logo on them) mounted on the dest in special clamps. The demo opened with a sax/jass riff that blew me away! And at an astounding volume and clarity (ah, digital sound). Later, when showing off educational programs, it said hello in English, Spanish, Italian, and French, using different voices. When a magazine said the IIGS could deliver Kennedy's inaugural IN HIS OWN VOICE, they meant it !

Lastly, the set up. IIGS motherboard. NO SCREWS, everything pulls right out (except for some chips),including the powerpack. 1-meg expansion card inside, IIGS 3.5 drives in slots 5 and 6. You daisychain unidisk 5.25 or duodisk 5.25 into the 800k drives, but they must be the last in the chain. Prodos 8 (the version on the demo) will support six drives; Prodos 16 may support more. The new mouse isn't bad, but the button is flush-mounted and the slope is MUCH different than the Mac; it will be up to personal taste. The new keyboard is excellent; symmetric with a better fell than the //e or Mac, with enough of a response by feel and sound to be confortable without the noise of a //c board (or the mousetrap sound of a you-know-who keyboard). I want one to replace my Mac + keyboard.

I really like the IIGS; it is a fine sucessor to the //e, and just what the market needs (until they can put those graphics and sound into my Mac + { hint hint, Apple, if the rumors on net.micro.mac saying that the color Mac is on its way aren't true}).Any questions, comments, complaints, etc., use Email.

==========

George A. Brownfield
Aerospace Engineering '87
The Pennsylvania State University

Bitnet: GAB @PSUECL
UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

"We don't get laid much, but we're building the future"
-Engineering majors, according to Robin Williams

==========

From -5873241716516171359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb634ea041b7fb6e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-20 22:06:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!ucbvax!BROWNVM.BITNET!ST802414
From: ST802414@BROWNVM.BITNET (CHRISTOPHER CHUNG)
Newsgroups: net.micro.apple

Subject: (none)
Message-ID: <8610210614.AA14452@ucbvax.Berkeley.EDU>
Date: Tue, 21-Oct-86 01:06:19 EDT
Article-I.D.: ucbvax.8610210614.AA14452
Posted: Tue Oct 21 01:06:19 1986
Date-Received: Wed, 22-Oct-86 03:07:36 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: ST802414%BROWNVM.BITNET@wiscvm.wisc.edu
Organization: The ARPA Internet
Lines: 4

Could you please add me back to the mailing list?

Thanks,
Chris

From -4538250899706449403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdf7444f861b5400,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,fdf7444f861b5400,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-10-20 23:30:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!cbmvax!bpa!burdvax!psuvax1!
psuvm.bitnet!b5u
From: B5U@PSUVMB.BITNET
Newsgroups: net.micro.apple,net.micro.mac
Subject: power packs on //, Mac
Message-ID: <7984B5U@PSUVMB>
Date: Tue, 21-Oct-86 02:30:44 EDT
Article-I.D.: PSUVMB.7984B5U
Posted: Tue Oct 21 02:30:44 1986
Date-Received: Wed, 22-Oct-86 22:41:16 EDT
Expires: Wed, 5-Nov-86 00:00:00 EDT
Lines: 30
Xref: mnetor net.micro.apple:1604 net.micro.mac:7658

My roommate, an Apple // owner since 1980 (first a //+, now a //e) and I were talking about the IIGS when he commented that the power pack on the GS was the same as in his //e, and the same as in the //+. He also commented that he did not need a surge protector on his //e (as I have one on my Mac +) because of how well his power pack was built. He also maintains that above a surge of approx. 150 volts, the Mac power source would go boom, where his would take it. Also, that his computer would take no damage, where the Mac might.
   The only experience that we have is when a friend of ours had his Mac smoke at one of CMU's dorms, after a faulty line carried 220 volts to the computer, taking out all electrical devices. After a check, the only damage to the Mac was burned insulation on the incoming power line.
   Finally, he maintains that the power pack in the // series is SMALLER by components, as if you had to box it, the pack would end up bigger from the Mac.
   Well, can any of the gurus of the hardware world (HELP APPLE CORP.) answer/

refute my roommate (a senior EE that I have always felt knew what he was doing)
?????????

==========

 George A. Brownfield
 Aerospace Engineering '87
 The Pennsylvania State University

 Bitnet: GAB @PSUECL
 UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

 "We don't get laid much, but we're building the future"
               -Engineering majors, according to Robin Williams

==========

From 6134322166499966992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7f893ee0b4b8734
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 05:47:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-eddie!genrad!decvax!mcnc!
ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: //GS addressing and add on memory?
Message-ID: <2154@ecsvax.UUCP>
Date: Tue, 21-Oct-86 08:47:26 EDT
Article-I.D.: ecsvax.2154
Posted: Tue Oct 21 08:47:26 1986
Date-Received: Wed, 22-Oct-86 22:26:44 EDT
References: <8610111432.AA01300@ai.wisc.edu> <2900001@megamax>
Organization: UNC Educational Computing Service
Lines: 17

>
>
>   Eric Parker
>   Megamax Inc.

Eric,

What other juicy tidbits can you tell us about the CAPW C compiler?
How about the toolbox ROMs? What do you like/dislike about them?
When can we expect the fully functional development system with C?
What kind of graphics support is included in the libraries with C?

Thanks,

Rick Fincher
ranger@ecsvax

From -7043242621267555602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,357c650003990c43
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 06:55:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-eddie!genrad!decvax!mcnc!
ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: IIGS Upgrades
Message-ID: <2156@ecsvax.UUCP>
Date: Tue, 21-Oct-86 09:55:36 EDT
Article-I.D.: ecsvax.2156
Posted: Tue Oct 21 09:55:36 1986
Date-Received: Wed, 22-Oct-86 22:27:19 EDT
References: <12247954475.71.MLY.G.POGO@OZ.AI.MIT.EDU>
Organization: UNC Educational Computing Service
Lines: 9

>
> You folks who are paranoid about keeping your //e motherboards remind me
> of someone who buys a 1986 car and decides to trade it in for a 1987
> model but keeps the engine and transmission because s/he paid for it.
>
> Grow up!
>
> -------
It's a valid concern if your 1987 model doesn't burn any existing fuel.

From -801609541757793937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e8712b2d5bcd8f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 06:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!sri-spam!nike!ucbcad!ucbvax!HI-
MULTICS.ARPA!Hewett
From: Hewett@HI-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: Mailing List
Message-ID: <861021135841.914565@HI-MULTICS.ARPA>
Date: Tue, 21-Oct-86 09:58:00 EDT
Article-I.D.: HI-MULTI.861021135841.914565
Posted: Tue Oct 21 09:58:00 1986
Date-Received: Wed, 22-Oct-86 04:37:15 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet

Lines: 5

Please add me to your mailing list.

MA08 -HMN

Thanks....

From -405608554537165651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d556f0b3c306d053,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 07:50:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!HI-MULTICS.ARPA!Hewett
From: Hewett@HI-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: IIGS Analog RGB
Message-ID: <861021135016.796770@HI-MULTICS.ARPA>
Date: Tue, 21-Oct-86 09:50:00 EST
Article-I.D.: HI-MULTI.861021135016.796770
Posted: Tue Oct 21 09:50:00 1986
Date-Received: Wed, 29-Oct-86 02:47:31 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 4

I have an Amdek 600 I currently use with my IIe (via Video-7 card).
Will I be able to use this monitor directly into the IIGS RGB port?

Thanks... Bill Hewett MA08

From -5475290756475970937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,56569df334ace9e6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 07:52:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!clyde!cuae2!ihnp4!gargoyle!
paladin!bobg
From: bobg@paladin.UUCP (Bob Goldberg)
Newsgroups: net.micro.apple
Subject: Re: A Plea for Brevity
Message-ID: <36@paladin.UUCP>
Date: Tue, 21-Oct-86 10:52:21 EDT
Article-I.D.: paladin.36
Posted: Tue Oct 21 10:52:21 1986
Date-Received: Wed, 22-Oct-86 22:36:49 EDT
References: <861018063639.282231@DOCKMASTER.ARPA>
Organization: PC Distributing Inc., Northbrook IL
Lines: 24

Summary: an argument against brevity

In article <861018063639.282231@DOCKMASTER.ARPA>, TMPLee@DOCKMASTER.ARPA writes:
> I know this will probably fall on deaf ears (or blind eyes): I surely
> would appreciate it if people did *NOT* include copies of what they are
> replying to in their replies -- messages full of >>'s etc. are hard to
> read, several times longer than they need to be, and clog up the net.
> Just because you have a mail system that with the touch of a finger will
> copy the original message and surround it with funny marks is no excuse
> for exercising that option. And by the second or third time around its
> only stupid.
>

     I agree that unproperly edited messages do, in fact, slow
things down a bit, but there is one MAJOR problem.
My system does not always recieve EVERY posting. it may get lost in
the cracks somewhere, or who knows what....
in any case, many postings do not have a parent posting that
was sent down the net successfully. A short summary helps in those
cases.

                    Bob Goldberg
--

From the world of Paladin:
ihnp4!gargoyle!paladin!bobg   (Bob Goldberg)

From -7833682381279455187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f05e34cd5024d943
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 11:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!EGLIN-VAX.ARPA!forde
From: forde@EGLIN-VAX.ARPA
Newsgroups: net.micro.apple
Subject: RE: Re: //gs cost again...
Message-ID: <8610290008.AA04600@ucbvax.berkeley.edu>
Date: Tue, 21-Oct-86 13:09:00 EST
Article-I.D.: ucbvax.8610290008.AA04600
Posted: Tue Oct 21 13:09:00 1986
Date-Received: Tue, 28-Oct-86 23:35:35 EST
Sender: daemon@ucbvax.BERKELEY.EDU
Reply-To: forde@eglin-vax.arpa
Organization: The ARPA Internet
Lines: 12

I COULDN'T RESIST GETTING INTO THIS DISCUSSION ON MOTHERBOARD UPDATES. IF YOU
COMPARE THE COST OF THE UPGRADE AND THE 'EXTRAS' YOU ALSO HAVE TO BUY, WHY NOT
JUST BUY A //GS AND KEEP YOUR ORIGINAL (OR SELL IT OUTRIGHT)? THE PRICE ON THE
//GS WILL HAVE TO COME DOWN, IN FACT, THE MILITARY EXCHANGES ARE ALREADY
DISCOUNTING THE PRICE. I SAW A //GS AT LANGLEY AFB VA ON SALE (THE SIGN SAID

WHILE THEY LAST) FOR $1595. THIS PACKAGE DEAL INCLUDED THE COMPUTER (WITH 1.25MEG RAM), ONE 3.5 DRIVE, AND THE NEW COLOR MONITOR. IT WON'T BE LONG BEFORETHE RETAIL PRICE COMES DOWN ESPECIALLY WITH CHRISTMAS APPROACHING AND THE EXPECTED COMPETITION FROM COMMODORE AND ATARI. (JUST A PROPHECY BUT I LIKE THE SOUND OF IT.

ERIC S. FORD

From -2158212896677587619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba755e39d79ab82f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 12:01:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!princeton!allegra!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: to Upgrade, or not to Upgrade, that is the question!
Message-ID: <1558@k.cc.purdue.edu>
Date: Tue, 21-Oct-86 15:01:19 EDT
Article-I.D.: k.1558
Posted: Tue Oct 21 15:01:19 1986
Date-Received: Thu, 23-Oct-86 02:43:31 EDT
References: <8610102141.AA08083@ucbvax.Berkeley.EDU> <1547@k.cc.purdue.edu> <2140@ecsvax.UUCP>
Organization: Purdue University Computing Center
Lines: 44
Summary: CAN I keep the motherboard????

In article <2140@ecsvax.UUCP>, ranger@ecsvax.UUCP (Rick N. Fincher) writes:
> > More good points, however the question is also about whether it is better to
> > upgrade or buy new. I own an Apple //e and would not dream of selling it.
> > Unfortunately, continuous upgrades bring with them the risk of incompatability.
> > If I had a choice between upgrading my //e to a mac class computer, or buying
> > a mac for $500-$1000 more, I would save my pennies and buy the mac (actually,
> > I can't stand mac's, it is present in this missive for illustrative purposes
> > only!!). It is important to remember that you may need new capabilities later
> > on and you need to guarantee that you don't have to spend even MORE on the
> > upgrade to get the capabilities you should have gotten with the first. The
> > important points here are to consider what you NEED or WANT and if your present
> > system supports those needs then hang on to it. On the other hand, if you
> > require more than what you have now, (like multitasking or large data base
> > applications) I would seriously consider buying new. By the time you have
> > invested in all the upgrades, you may have spent enough to buy new AND
> > guarantee compatibility.
> >
> >   Colin
>

> Why not upgrade your //e, keep the motherboard (they can't keep so
> your spare parts, you paid for them when you bought your //e) buy a
> cheap case and have the best of both worlds, and two machines to
> boot [pun intended :-)]? This way you are 100% certain of compatibility
> and you get a //gs too.
>
> Rick Fincher
> ranger@ecsvax

Nice idea, Rick, but last year I inquired about the //e upgrade to the enhanced version. The dealer refused to sell me the upgrade kit. They insisted that they had to install it themselves and that they would have to keep the chips that came out of my //e (specifically the roms). I said to heck with that! I already paid for my //e once, and they expected me to pay for the upgrade also, but they STILL wanted *MY* chips. I assumed that Apple's policy concerning upgrades was still just as offensive. Can you really keep your old motherboards??

By the way, I was pretty offended by Apple's policy concernig //e -> enhanced upgrades. I understand that I do not own the copyrights on the roms, but I DO own the roms. I did pay for them after all. Anyone else out there have an opinion?

Colin

From -7283686956605176927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93e73d9be052f545,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 12:18:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!cbmvax!bpa!burdvax!psuvax1!psuvm.bitnet!b5u
From: B5U@PSUVMB.BITNET
Newsgroups: net.micro.apple
Subject: The Woz and the Apple IIGS, //x
Message-ID: <7993B5U@PSUVMB>
Date: Tue, 21-Oct-86 15:18:43 EDT
Article-I.D.: PSUVMB.7993B5U
Posted: Tue Oct 21 15:18:43 1986
Date-Received: Wed, 22-Oct-86 22:43:22 EDT
Expires: Wed, 5-Nov-86 00:00:00 EDT
Lines: 33

  From what I've read in various articles upon the release of the IIGS (including an interview with Steve Wozniak) the Woz was involved in the design of both the //x and the IIGS, although not the entire program.
  The Woz was involved with the //x until it was discontinued, and he left. When he came back, the IIGS idea was starting up, and he became involved. Steve can be credited with some (if not most) of the IIGS beginning layout, as well as the IWM (Integrated Woz Machine; a disk drive controller, installed in the

//c and IIGS).
  Although the Woz left after the basics were decided on the IIGS to start Cloud9, there is a lot of his thought in the layout (including helping to keep compatability with the Mega II, and going for the limit on anything that would allow people to stretch the possibilities (such as using the Ensoniq chip instead of a less-powerful one.)

  As a note, the IIGS is an outgrowth of the //x, if not what the //x was supposed to be (much of the stuff designed for the //x carried over.) And I'm glad to see it out, finally. The IIGS should enjoy a long life, especially in schools (see my detailed IIGS article for more details).

==========

 George A. Brownfield
 Aerospace Engineering '87
 The Pennsylvania State University

 Bitnet: GAB @PSUECL
 UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

 "We don't get laid much, but we're building the future"
               -Engineering majors, according to Robin Williams

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From 1302665100893648558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd089544d07e3566,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 13:58:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Apple Kermit
Message-ID: <6403@topaz.RUTGERS.EDU>
Date: Tue, 21-Oct-86 16:58:20 EDT
Article-I.D.: topaz.6403
Posted: Tue Oct 21 16:58:20 1986
Date-Received: Wed, 22-Oct-86 04:48:32 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 14
Keywords: The final chapter

Hello.
     As you may know if you read regularly, I've been trying to get kermit for 3 or 4 months now working. Well, it is, but now it is being posted by some kind person on net.sources. Well, if no one has any qualms, I am deleteing all names of people who asked me for Kermit. Now, if for some reason I see no posting, well, it's back to square 1

for me.
     Also, I would like to thank 2 people who sent me disks. 1 person, Ted Mendin@Shark, your disk will be in the mail in a day or two. Also to T. Banks (?), who sent me the Muse program, There is a problem with DOS incompatability after the upgrade. Kermit will be mailed soon.
                         Hallialuiah!
                         John Langbein

From 2046972108842037106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9102fc54f20b3eeb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 14:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!sri-spam!nike!ucbcad!ucbvax!
UWAVM.BITNET!D7314
From: D7314@UWAVM.BITNET
Newsgroups: net.micro.apple
Subject: IIgs
Message-ID: <8610212242.AA00264@ucbvax.Berkeley.EDU>
Date: Tue, 21-Oct-86 17:37:00 EDT
Article-I.D.: ucbvax.8610212242.AA00264
Posted: Tue Oct 21 17:37:00 1986
Date-Received: Wed, 22-Oct-86 06:36:50 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 12

Date: Tue, 21 Oct 86 14:34 PDT
From: Patrick Ryan <D7314@UWAVM>
Subject: IIgs
To: Apple Mailing list <INFO-APPLE@BRL.ARPA>

This month's Computer Shopper has a good article about the IIgs, with lots of technical stuff about it (by Don Lancaster... those who know him need read no more...) It includes compatibility, DOS's, why you should keep that IIe board and a lot, lot more.

                    Patrick Ryan

From -7149234745438669229
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ac8d7f552cf36e9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-21 18:01:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!nike!ucbcad!ucbvax!pro-sol.UUCP!mdavis
From: mdavis@pro-sol.UUCP (Morgan Davis)
Newsgroups: net.micro.apple
Subject: Re: high-speed modems

Message-ID: <8610220946.AA23193@bass.ARPA>
Date: Tue, 21-Oct-86 21:01:59 EDT
Article-I.D.: bass.8610220946.AA23193
Posted: Tue Oct 21 21:01:59 1986
Date-Received: Wed, 22-Oct-86 22:49:01 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 20

Peter:

I've used three different 2400bps modems on my Apple //e. They are the US Robotics Courier, MultiTech 224, and Datagram DCE-224. All of them work beautifully with ASCII Express "Pro", ASCII Express MouseTalk, and ModemWorks (a modem utility package that I have written).

Since I am beta-testing one of the above mentioned modems, I don't want to make any public statements as to which one I think is best. All three of them are very good, and all work admirably. The deciding factor for me would probably be price at this stage of the game, however. But to answer your question: yes, the ASCII Express series software will work with them, as well as many other terminal programs. The advantages of the extra speed are obvious, and the only real disadvantage is the potential for increased line-noise. My telephone exchange is pretty clean (Pac-Bell, San Diego), so 2400bps is not a problem at all.

One other disadvantage (though this is rapidly changing) is the lack of 2400bps support for some information systems, as well as the low support from many of the public-access BBS systems.

From -3641117455261888626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e99e78e6cd371ef4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-22 07:25:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!osiris!hood
From: hood@osiris.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: looking for manuals
Message-ID: <100600001@osiris>
Date: Wed, 22-Oct-86 10:25:00 EDT
Article-I.D.: osiris.100600001
Posted: Wed Oct 22 10:25:00 1986
Date-Received: Fri, 24-Oct-86 07:56:09 EDT
Lines: 18
Nf-ID: #N:osiris:100600001:000:525
Nf-From: osiris.CSO.UIUC.EDU!hood Oct 22 09:25:00 1986

I am looking for recommendations on good technical manuals
on PRODOS (preferably with commentary on the subroutines)
and the //c hardware. (title, author, price and availability
if possible)

I am also looking for glory and horror stories on hard discs
that have been attached to //c's.

Please respond by E-mail, thanks

Stan Seago   US Army, HQ III Corps & Fort Hood
UUCP..!ihnp4!uiucuxc!fthood!sseago   Attn: AFZF-DE-ENV
                        DEH, Environmental & Natural Resources
                          Management Office
                        Fort Hood, TX 76544-5057

From 3303361005828889261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8d56239008c6b7df
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-22 12:15:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-amt!mit-eddie!genrad!decvax!
tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: DOS 3.3 AppleWriter and Corvus
Message-ID: <4349@reed.UUCP>
Date: Wed, 22-Oct-86 15:15:19 EDT
Article-I.D.: reed.4349
Posted: Wed Oct 22 15:15:19 1986
Date-Received: Thu, 23-Oct-86 07:20:11 EDT
References: <8610170122.AA29252@ucbvax.Berkeley.EDU>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 52

In article <8610170122.AA29252@ucbvax.Berkeley.EDU> CDTAXW@IRISHMVS.BITNET writes:
>HELP!!!
>
>Does anyone know of a way to run AppleWriter // under
>DOS 3.3 on a Corvus network? Or does anyone have an
>unprotected or modified copy of AppleWriter // which
>could possibly be copied to a Corvus hard disk? Apple
>tech support claims that it cannot be done and the
>Corvus people are not too much help ...
>
>Thanks in advance to anyone who can help us out.
>
>Mark

Well, this is typical. It seems that Paul Lutus likes "trap doors" in

his software. He DID put Corvus support in his AppleWriter series. Of course, the optimum way of doing this is to buy (or upgrade if you own the original) the ProDos version (did I really say that!!!!) as it can easily be moved to a hard disk. If, however, you are using the original AW1.1 which saves files as binaries, then , well, it says to hold down the 'C' key when booting. It then asks you which slot to boot the Corvus from (c->corvus). I don't think you can actually move the program to the couvus, or if you can if you can run it from the hard disk without the original, though. I have AW v1.0 for the //e. I also bought Don Lancaster's "Enhancing Your Apple][volumn 2" which has that version completely ripped apart. Removing the "copy protection" is trivial as Apple didn't want to protect it, but Lutus did, so he wrote the protection. I am now working on getting it to run with Diversi-Dos. And to allow me to print a graphic in the middle of a document..Ha ha. I'm having enough fun working on a standalone color printing routine (Which I will of course post to the net when finished...).

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
 purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
 cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
 reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
 Portland, OR 97202
 (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From -1935534817663926269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fcd98cd8d23b9f2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-22 12:24:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-amt!mit-eddie!genrad!decvax!
tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: Compatibility of old Periphs w/ //gs
Message-ID: <4350@reed.UUCP>
Date: Wed, 22-Oct-86 15:24:15 EDT
Article-I.D.: reed.4350

Posted: Wed Oct 22 15:24:15 1986
Date-Received: Thu, 23-Oct-86 07:20:26 EDT
References: <708@sphinx.UChicago.UUCP> <2153@ecsvax.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, OR
Lines: 56

In article <2153@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:
>
>The question of motherboards is interesting. You own your motherboard.
>If the upgrade is an upgrade and not a swap, your dealer cannot legally
>keep your motherboard. If part of the agreement is a swap, what will th
>the dealer do with the old boards? When the ROM upgrade came out for
>the //e the dealers were supposed to destroy the old ROMs to keep them
>from winding up in clones. Most dealers would just give you the kit even
>though the weren't supposed to. I would say to ask the dealer what
>their policy is. If they insist on keeping your board tell them it's
>illegal and maybe they will relent. You might also try removing your
>board before you go in or just buy the upgrade kit and install it
>yourself. Apple might have had a case with the ROM upgrades that the
>programs in the ROMs were their property (even though the ROM itself
>belonged to you) but in this case I don't believe they have a legal
>case unless you agree to give up your old board as part of the deal.
>Any lawyers out there with some expert advice on this point?
>
>Rick
>ranger@ecsvax

Well, I'm not a lawyer, but I work at an "authorized dealer" and I know
that there is a big difference between the rom upgrade and the
motherboard upgrade. The deal is that with the motherboard upgrade the
dealer can send the old mb back to apple for credit. The couldn't
with the roms. Now, you could ask the dealer to just outright get a
motherboard for you. This will come from their "stock" rather than
"exchange" price list. An example of this is a //e motherboard. It
cost $499 (on the "old" price list) for the stock and $96 for the
exchange. I think apple will give dealers a credit for returned mb's.
It will be a "swap" upgrade.

I just bought a second //e for $200 with monitor, two disk drives and
disk I/F, so I'm all set to upgrade.

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
        purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
        cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET

BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
              reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From -6840978572415532003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,357c650003990c43
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-22 17:34:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!clyde!cbatt!ihnp4!inuxc!pur-ee!
j.cc.purdue.edu!k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: IIGS Upgrades
Message-ID: <1559@k.cc.purdue.edu>
Date: Wed, 22-Oct-86 20:34:14 EDT
Article-I.D.: k.1559
Posted: Wed Oct 22 20:34:14 1986
Date-Received: Fri, 24-Oct-86 01:01:57 EDT
References: <12247954475.71.MLY.G.POGO@OZ.AI.MIT.EDU>
Organization: Purdue University Computing Center
Lines: 21
Summary: Time to grow up...

In article <12247954475.71.MLY.G.POGO@OZ.AI.MIT.EDU>,
Mly.G.Pogo%OZ.AI.MIT.EDU@XX.LCS.MIT.EDU (Bob Soron) writes:
>
> You folks who are paranoid about keeping your //e motherboards remind me
> of someone who buys a 1986 car and decides to trade it in for a 1987
> model but keeps the engine and transmission because s/he paid for it.
>
> Grow up!
>
> -------
    It seems to me that at $500, we aren't getting an incredible deal on these new mother boards- especially when you add the extras like color monitor, drives, and a detachable keyboard. By the time you add that all up you might as well buy a new one. On top of that we run the risk of losing compatibility with some of our software. What it boils down to is that Apple is TAKING our motherboards rather than giving us a fair TRADE for them. The same applies to the enhancement upgrades- at $70 I expect my original roms back again.

As for growing up, it appears that MY growth rate is not proportional to my

wallet's...

Colin (Still growing)

From -5436760344159964751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30c09a3293f0f3a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-22 18:10:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!nike!ucbcad!zen!zooey.Berkeley.EDU!
c160-ed
From: c160-ed@zooey.Berkeley.EDU (Norman Fong)
Newsgroups: net.micro.apple
Subject: Apple //gs shipping
Message-ID: <690@zen.BERKELEY.EDU>
Date: Wed, 22-Oct-86 21:10:54 EDT
Article-I.D.: zen.690
Posted: Wed Oct 22 21:10:54 1986
Date-Received: Thu, 23-Oct-86 07:23:22 EDT
Sender: news@zen.BERKELEY.EDU
Reply-To: c160-ed@zooey.Berkeley.EDU.UUCP (Norman Fong)
Distribution: net
Organization: University of California, Berkeley
Lines: 23
Keywords: //GS

The //gs is finally shipping. I got mines yesterday and stores should
be getting it now also. Apparently the fanand HD20sc for it are
not shipping yet. The until seems well built, the mother board
state of the art vlsi and smt components. The software for it seems
non-existent. (Are there any released programs yet?)
Disk //'s work fine, Novation Applecats work ok, (even the 212
card can still work ok in slot 3!). Applied engineering is
shipping their gsram cards. I have a gsram and have no problems
yet wish that the card would come with more software that just a
damn memory checker. The prodos 16 software seems to take a
year and a half to load on the 3.5" disks. The control panel
has tons of options (Lots of "poweruser" options for keyboard/mouse
configuration). The control panel screws up some programs though.
In the "desktop", i selected the contrl panel, changed a few options
and when I returned to the desktop, all the fonts were messed up!
Guess it will be a while before software advances to this hardwares specs.
Are there any languages shipping? ie. is TML pascal shipping or
betas of APW from APDA? Switching from //gs to // mode seems transparent,
is this the case? Can one exploit the //gs features from Applesoft, or
do we have to wait for a new basic.system16?

Norman Fong
c160-ed@ucbzooey.EDU

From -1397692996943001280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 121a8b,6bbcab6602c1f523,start
X-Google-Attributes: gid121a8b,public
X-Google-Thread: 1622d3,6bbcab6602c1f523,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-23 02:10:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ll-xn!mit-eddie!genrad!decvax!tektronix!
reed!omssw2!omssw1!argent!safari!dave
From: dave@safari.UUCP
Newsgroups: net.lang.apl,net.micro.apple
Subject: APL for the Mac
Message-ID: <137@safari.UUCP>
Date: Thu, 23-Oct-86 04:10:35 EST
Article-I.D.: safari.137
Posted: Thu Oct 23 04:10:35 1986
Date-Received: Wed, 29-Oct-86 09:26:14 EST
Distribution: net
Organization: CSRDS (#2, safari); Portland Oregon
Lines: 8
Xref: mnetor net.lang.apl:130 net.micro.apple:1650

A friend of mine would be interested in obtaining either public-domain
or commercially available APL for a Mac Plus. A phone number or address
of a vendor would be greatly appreciated. Comments, opinions, or experiences
with APL on the Mac would also be welcome.

Thank you in advance. ...!tektronix!reed!omen!bucket!safari!dave
...!tektronix!reed!omen!bucket!safari!mike

From -4624982616238498375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f1d9b26cad6db4e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-23 05:19:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-eddie!genrad!decvax!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com.UUCP
Newsgroups: net.micro.apple
Subject: //GS Speed...
Message-ID: <6066@decwrl.DEC.COM>
Date: Thu, 23-Oct-86 08:19:52 EDT
Article-I.D.: decwrl.6066
Posted: Thu Oct 23 08:19:52 1986
Date-Received: Fri, 24-Oct-86 00:00:48 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 6

If they do come out (or have) a 6mhz 65816 can I put in some static rams?

I'd like to have it a little faster but not necessary. If I can though i'd rather...

Joe

From -1693379258153939202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93e73d9be052f545
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-23 08:57:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!husc6!mit-eddie!genrad!decvax!ucbvax!sdcsvax!sdcc6!sdcc18!ee161abt
From: ee161abt@sdcc18.ucsd.EDU (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: The Woz and the Apple IIGS, //x
Message-ID: <557@sdcc18.ucsd.EDU>
Date: Thu, 23-Oct-86 11:57:17 EDT
Article-I.D.: sdcc18.557
Posted: Thu Oct 23 11:57:17 1986
Date-Received: Fri, 24-Oct-86 08:20:23 EDT
References: <7993B5U@PSUVMB>
Reply-To: ee161abt@sdcc18.UUCP (Grobbins)
Organization: U.C. San Diego
Lines: 41

In article <7993B5U@PSUVMB> B5U@PSUVMB.BITNET writes:
> From what I've read in various articles upon the release of the IIGS
>(including an interview with Woz) the Woz was involved in the design
>of both the //x and the IIGS, although not the entire program.
> The Woz was involved with the //x until it was discontinued, and he left.
>When he came back, the IIGS idea was starting up, and he became involved. Steve
>can be credited with some (if not most) of the IIGS beginning layout, as well
>as the IWM (Integrated Woz Machine; a disk drive controller, installed in the
>//c and IIGS).
> Although the Woz left after the basics were decided on the IIGS to start
>Cloud9, there is a lot of his thought in the layout (including helping to keep
>compatability with the Mega II, and going for the limit on anything that would
>allow people to stretch the possibilities (such as using the Ensoniq chip
>instead of a less-powerful one.)
>
> As a note, the IIGS is an outgrowth of the //x, if not what the //x was
>supposed to be (much of the stuff designed for the //x carried over.)
>   George A. Brownfield

At the Apple IIGS's intitial introduction for the press, Apple brought Woz in to help discuss the machine, but did not claim that he had any hand in its design. Magazine article claims notwithstanding, I think it would not be correct to think Woz had a hand in the design of the IIGS. (Though I'd like to see that

interview...)

The IIGS is a very different machine than the //x. The //x died;
the IIGS was born later. While they shared the same processor,
the were based on differing philosophies, and had radically
different designs.

The IWM is also in the Mac, as memory serves, so it's not a design
for the IIc/e/GS. And Woz wasn't on the Mac team.

My information is mostly second-hand. Please correct me with direct
quotes from Woz or the designers, if necessary.

Grobbins.

[Let's see how long it's Apple II Forever now that the II is
 no longer Apple's cash cow. Or is it?]

From -8128365602859564978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d917358d96de5968,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-23 16:36:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!ll-xn!mit-eddie!genrad!decvax!decwrl!
tipple.dec.com!craparotta
From: craparotta@tipple.dec.com.UUCP
Newsgroups: net.micro.apple
Subject: //GS SPEED
Message-ID: <6076@decwrl.DEC.COM>
Date: Thu, 23-Oct-86 19:36:50 EDT
Article-I.D.: decwrl.6076
Posted: Thu Oct 23 19:36:50 1986
Date-Received: Fri, 24-Oct-86 16:05:57 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 4

The trick now is .... Can u put the 6Mhz 65C816 in the //GS and have still
work?? It'd be nice but not really necessary, but what the heh....

Joe

From -7373659936217720437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-27 16:20:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!qantel!lll-lcc!csustan!guest
From: guest@csustan.UUCP (Chris Rhodes)

Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <204@csustan.UUCP>
Date: Sat, 27-Sep-86 19:20:43 EDT
Article-I.D.: csustan.204
Posted: Sat Sep 27 19:20:43 1986
Date-Received: Tue, 30-Sep-86 06:24:41 EDT
References: <4158@reed.UUCP>
Reply-To: guest@csustan.UUCP (Chris Rhodes)
Organization: Tiburon Systems
Lines: 32

In article <4158@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
>
> I like having a text page for textual information, and being
>able to flip to the graphics page for a graphic display.

Good point. Even in 16-bit mode (where you said it's stuck on a
graphics mode, does that mean no ProDOS?) the machine doesn't run
nearly fast enough to warrant it.

>Sean Kamath

I took a look at the GS today. While the graphics were 'so-so',
the sound quality blew me away. I saw that 'light jazz' demo
(which included a sampled voice saying "Presenting the //gs"
or something which was very realistic) as well as the music construction
set demo. Again, the sound is *awesome.* If any sophisticated
music software is developed (i.e. one that works with a MIDI card,
external keyboard, etc.) it may be a better buy than a comparably
priced synthesizer.

On another note, pretend you have a //e and you want to buy the
expansion card in January for $599. Remember that you also need
a mouse if you haven't got one ($100) and a 3.5" drive ($300).
So you're up to $1000...you might as well buy a standalone //gs.

/* Chris Rhodes / Shooting Shark
 * Currently cowering behind lll-crg!csustan!guest
 * real uucp : lll-crg!csuh!shark -or- lll-crg!ptsfa!harlie!shark
 * My opinions *are* those of csustan! Yeah, they made me spokesman, ah,
 */ president of the university! Yeah, *that's* the ticket!

From -4693162776948498133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,698453a1dfff1639,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-27 20:32:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!qantel!lll-lcc!lll-crg!rutgers!caip!

princeton!puvax2!PUCC.BITNET!6056626
From: 6056626@PUCC.BITNET (Jonathan Baker)
Newsgroups: net.micro.apple
Subject: Apple Comm Card
Message-ID: <1102@PUCC.BITNET>
Date: Sat, 27-Sep-86 23:32:42 EDT
Article-I.D.: PUCC.1102
Posted: Sat Sep 27 23:32:42 1986
Date-Received: Tue, 30-Sep-86 19:42:43 EDT
Reply-To: 6056626@PUCC.BITNET
Organization: Princeton University Computing Center, Princeton, New Jersey
Lines: 13

A few years ago I bought a used Apple comm card (NOT Super Serial)
from my old high school, with intent to attach a modem. I wound
up with an internal 300bps modem, but now want to get an external
1200 bps modem, probably Volksmodem 12. I borrowed one from my
office and hooked it up with the //e and the comm card, and it worked
at 300bps. I don't know how to set it for 1200 bps, though, and would
rather not purchase another serial interface. Could someone tell
me how to set the baud rate and other things on the card, so I can
go and buy the new modem? Try mailing to me, but people seem to
have trouble doing that.

Jonathan Baker
6056626@pucc.BITNET (I think)

From 2041807364754660986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e9008f1826630462,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-28 00:27:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!ucbvax!ucbcad!zen!buddy.Berkeley.EDU!c55-gc
From: c55-gc@buddy.Berkeley.EDU (Augie Kuo)
Newsgroups: net.micro.apple
Subject: Apple //e wanted
Message-ID: <372@zen.BERKELEY.EDU>
Date: Sun, 28-Sep-86 03:27:13 EDT
Article-I.D.: zen.372
Posted: Sun Sep 28 03:27:13 1986
Date-Received: Sun, 28-Sep-86 16:41:32 EDT
Sender: news@zen.BERKELEY.EDU
Reply-To: c55-gc@buddy.Berkeley.EDU.UUCP (Augie Kuo)
Distribution: na
Organization: University of California, Berkeley
Lines: 16
Keywords: wanted, Apple //e
Summary: CPU wanted

*** WANTED ***

DEAD or ALIVE Apple //e CPU's.

I am looking for reasonably cheap Apple //e's ONLY, no extra accessories like disk drives, etc. It doesn't have to work, just as long as the key board and case is in good condition. If you have one or know where I may purchase one, please reply.

Augie Kuo c55-gc@buddy.berkeley.edu
kuo@miro.berkeley.edu

From 5667994694612884865
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-28 06:56:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <285@neoucom.UUCP>
Date: Sun, 28-Sep-86 09:56:50 EDT
Article-I.D.: neoucom.285
Posted: Sun Sep 28 09:56:50 1986
Date-Received: Tue, 30-Sep-86 06:29:45 EDT
References: <4158@reed.UUCP> <204@csustan.UUCP>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 36
Summary: expensive upgrade also, how are pixels mapped?

>
> On another note, pretend you have a //e and you want to buy the
> expansion card in January for $599. Remember that you also need
> a mouse if you haven't got one ($100) and a 3.5" drive ($300).
> So you're up to $1000...you might as well buy a standalone //gs.

You forgot the RGBi monitor. Add another $500!

I saw the "apple light" demo too. I cringed when the picture of the guy playing the sax disolved into the combo. I saw that old fill-in-inbetween-the-lines video behavior that I've learned to HATE so well on the][and //e!! Somebody pleeze tell me that they were just doing the disolve that way for effect, rather than becuase adjacent sceen pixels aren't adjacent memory (be honest)!

I have to admit that no text page in the 16 bit mode is peculiar. I guess that is Apple being Apple again.

The additional sound capability seems like overkill relative to the level of improvement made on other parts of the machine. Most curious. Perhaps, there is something that they aren't telling us right now.

One thing positive that I can say is that the 65816 is a pretty neat CPU. I'd like to get my hands on a //GS to dhrystone it. From what I've read, the claims are that the 3 MHz65816 can beat an 8 MHz 68K chip. Also WDC promised a 65832 that fits the same socket by 1987.

  --Bill

Bill Mayhew
Division of Basic Medical Sciences
Northeastern Ohio Universities' College of Medicine
Rootstown, OH 44272 USA   tel: 216-325-2511
(wtm@neoucom.UUCP)

From 8885877700042721750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-28 09:09:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!meccts!ahby
From: ahby@meccts.UUCP (Shane P. McCarron)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe and IIc raster scan synchronization.
Message-ID: <532@meccts.UUCP>
Date: Sun, 28-Sep-86 12:09:32 EDT
Article-I.D.: meccts.532
Posted: Sun Sep 28 12:09:32 1986
Date-Received: Tue, 30-Sep-86 07:50:25 EDT
References: <2869@sdcc6.ucsd.EDU> <4160@reed.UUCP>
Reply-To: ahby@meccts.UUCP (Shane P. McCarron)
Organization: MECC Technical Services, St. Paul, Mn
Lines: 40
Keywords: IIe IIc video

In article <4160@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
>On the //e and //c there
>is no need to solder a pin. It has already been done for you. Read
>$C019. When it goes low (<128), it is in VBL. For some really neat
>programs that take advantage of that, look into "Enhancing Your Apple][
>Vol. 2" by Don Lancaster.
>
>On the //c it is possible to generate interrupts when VBL ($C019) goes
>low. I KNOW this. I THINK the same can be done on a //e with a mouse
>card, but I'm not altogether sure. If anyone is dying to know, I'll do
>that before I work on my color printing routine...

Actually, you really can detect VBL on the //e using $C019. And yes,
if you have a mouse card, you can cause it to generate interrupts at
each VBL. I think you can have it generate interrupts at all sorts of
interesting events, like mouse movement, button down, button up,
etc...

However, you cannot detect VBL using $C019 on the //c or //gs. The
only way to do it is using interrupts. The line in the Apple //c
Technical Reference Manual reads:

     R7 $C019   RstVBL   9.1.3   See if VBlInt off(1); reset it

And the Apple //e Reference Manual reads:

     VBL Read vertical blanking $C019   Read, 4

This is just another example of Apple 'fixing' something so that half of
their vendors software doesn't work. Now when I want to detect VBL, I
need to case for the machine I'm on; On a //e I wait for $C019 to go low.
On a //c (//gs) I enable VBL interrupts and then loop infinitely (until
interrupt, of course). This works, but because of the overhead involved with
processing an interrupt, there is less time during the interval to
perform operations. This is very annoying!
--
Shane P. McCarron   UUCP ihnp4!meccts!ahby
MECC Technical Services   ATT (612) 481-3589

"They're only monkey boys; We can still crush them here on earth!"

From 4168851189837440514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f4f20e94451ef5c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 07:59:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ll-xn!adelie!axiom!linus!philabs!mcnc!
ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Apple //gs
Message-ID: <2073@ecsvax.UUCP>
Date: Mon, 29-Sep-86 10:59:15 EDT
Article-I.D.: ecsvax.2073
Posted: Mon Sep 29 10:59:15 1986
Date-Received: Fri, 3-Oct-86 08:29:49 EDT
Distribution: net
Organization: UNC Educational Computing Service
Lines: 129

The Apple //gs was officially unveiled Staurday, Sept 27th to the
public. The machine has most of the rumored features we have been

hearing about for the past few months. The speed is a little disappoi-
pointing (2.8 mhz) considering that 4 and 6 mhz versions of the 65816
areare available. I predict that some hardware manufacturer will have
an accelerator board for the //gs on the market within a year. The
graphics of the machine are probably what people are most interested
in. It has the older modes plus two new modes: 640 X 200 and 320 X 200.
The rumors about 768 X 512 were just rumors I guess. The 200 vertical
resolution is a little disappointing too. Engineers at Apple pushed for
400 vertical resolution but were overruled because of the expense of
RGB monitors that can display such graphics without flickering. One
thing I noticed about the motherboard was that the graphics chip was one
one of the few socketed chips on the board, looks like Apple is planning
for future expansion in the graphics area. The 320 X 200 has 16 color
tables of 16 colors available (total 256) but only one color table can be used
be used per scan line, limiting any given line to 16 colors. This is
a limitation but still allows for subtle shading of objects. The
640 X 200 mode has the same 16 tables but they are limited to 4 colors
each for a total of 64 colors. The graphics chip is an Apple chip r
rather than an off the shelf variety, so what its exact features are I
don't know yet. Deluxe Paint from Electronic Arts will be available
soon for the machine, with all of the features of the Amiga version
plus the ability to do 3-D drawings and rotations. If the 3-D object
manipulations are built into the graphics chip, it will have some
powerful capabilities.
File formats for the //gs are standardized so that any software can
use another's images. The link modules of compiled languages are to
be standardized too. This will let you link together C, Pascal Modula
II or Basic programs if the compiler makers follow Apple's standards.
The sound is one of the more impressive features of the machine. The
demo that Apple sent out with the machine has animated color graphics
and a very high quality soundtrack running simultaneously. Speech is
natural sounding and comes in several voices.

The motherboard of the machine is the same size as the //e motherboard.
there is even a place on the board for a connector for the //e keyboard.
The upgrade for the //e will consist of a board swap. Just plug in your
keyboard and go. The backplane will be swapped too because the //gs has
2 serial ports (just like the Macs) that are Appletalk compatible, a di
disk drive port, joystick port, RGB video port, Composite video port and
an Apple desktop bus port. The apple desktop bus is where the keyboard
plugs in on the //gs, you then plug the mouse into the keyboard. If you
upgrade a //e you can either use your old keyboard and plug a mouse into
the desktop bus port or you can get the detached keyboard. If you alhave
a //e mouse already, you can use it instead of the new one which seems
to be simpler and cheaper than the old mouse and is shaped differently.
3.5 inch disk drives will plug into the drive port as will the unidisk
type of 5.25 inch drives. You must use you controller card for Disk II
type drives. The new 3.5 inch drives look like the old //e 3.5 inch dri
drives, except for the color and the eject hole which is now in the mid
middle of the eject button instead of below it. You can daisy chain
several of these drives together.

There are very few chips on the new motherboard. There are several

square VLSI surface mount chips with 20 pins per side. The graphics ch
chip is also a VLSI chip like this but it is in a socket instead of
surface mounted, as I said earlier. There are the familiar 7 slots
along the back of the board, the 16 pin //+ type game connector, the
familiar speaker and connector, places for the //e keyboard and keypad
(no connectors on the //gs just the holes for them), the RF modulator
connector and a rather small memory board connector. There is no con-
nector for Aux slot type boards. The memory slot is the only new slot.
It has only about 40 pins which surprised me. It seems rather small.
This machine had the Apple 1 megabyte memory card in it. The card has
an angled front so it will fit under the cover of a IIe but the angle
isn't needed for the //gs square box. The power supply of the //gs
sits on brackets over the motherboard, so the machine is not as wide
as a //e. It isn't as long either since the keyboard is separate, so
it has the appearance of a very small system. There is no fan and the motherboard
motherboard juts out from under the squrae box about an inch, so there is
is a little lip on the front of the box that matches up nicely with the
keyboard. The keyboard has a separate numeric keypad and looks like the
//c keyboard but feels much better. The keyboard is very light, pit
probably weighs less than a pound. The mouse can be plugged into either
the left or right side of the keyboard. The keyboard is similar to the
//c or //e keyboard but it has the open apple key and the option key on
the left. The option key replaces the closed apple key and the open
apple key has a cloverleaf on it like the Macintosh. The reset key is
a large key at the top left-center that has only a left arrow on it.
The cursor keys are the same familiar left, right, up, down keys. The
keypad has a separate enter and clear key as well as the four math keys.

The //gs has a control panel in it similar to the Mac. You get to it
by typing Control-open apple-Escape. It lets you set the time on the
built in clock, adjust the volume and pitch of the speaker, afdjust the
sensitivity of the mouse and keyboard, set screen colors for text, back-
ground and border, turn on or off a keyboard buffer, change system clock
speeds between 1mhz and 2.8mhz, and set the size of a ram disk. New
programs will let you jump into the control panel anytime, some //e soft
ware won't let you jump into it at all.

Apple has a comprehensive of hardware and software that works with the
//gs. They also list things that won't work, things that work only at
the 1mhz clock rate and things that work, but won't let you jump into th
the control panel.

The slots, as I said, are the same //+, //e slots. They won't be needed
for most things. Unlike the //e, the //gs has a lot of stuff built in.
The ports in the back of the machine are mapped into the slots. The
two serial ports are slots 1 and 2, the mouse is 4, the 5.25 inch disk
drives are 5 and the 3.5 inch disks are 6. You can select which slot to
boot from or you can disconnect a port from the slot and put your own
board in. The serial ports are just like the Mac's, same cables and all
all. Since they use the Zilog chip used in the Mac, they are not //c
and Super Serial compatible. So communications software will have to be
rewritten for this machine. You can stick in your existing serial card
and software and communicate to your hearts content, however. Some

software won't print from the serial port because it directly addresses
the hardware for particular printer cards.

Whew! well that's a quick and dirty description of the new machine. Some
features look great, some are ho hum, but all in all I think this
machine is going to be a big winner. Lots of hardware and software
developers have already released products or are working on them.
Applied engineering already has two memory boards for the thing.

Several manuals are listed in the back of the users manual. These
should be available from Addison Wesley very soon. Of particular i
interest are the Hardware Overview for Programmers, Toolbox ROM manuals
volume I and II, the Tech Reference Manual and last but decidedly not
least a C Programming Language Reference Manual!

Anybody else have anthing to add or corrections?

Rick Fincher

ranger@ecsvax
Rick@ncsuvm

From -6308256260071564931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,698453a1dfff1639
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 09:07:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!qantel!lll-lcc!lll-crg!seismo!columbia!
lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)
Newsgroups: net.micro.apple
Subject: Re: Apple Comm Card
Message-ID: <3231@columbia.UUCP>
Date: Mon, 29-Sep-86 12:07:34 EDT
Article-I.D.: columbia.3231
Posted: Mon Sep 29 12:07:34 1986
Date-Received: Tue, 30-Sep-86 14:12:40 EDT
References: <1102@PUCC.BITNET>
Sender: nobody@columbia.UUCP
Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Organization: Columbia University Computer Science Department
Lines: 6

I believe that the card you are refering to is the old Apple
Communications card. It is a short card with a ribbon cable threaded
through the end of the board. This is a 300 baud card only. This was
one of Apple's first cards for the][series.

Nat Polish@cs.columbia.edu

From -4194577662693054189
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 09:41:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!cbmvax!bpa!burdvax!sdcrdcf!usc-oberon!
smeagol!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x43171 301/167)
Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <827@jplgodo.UUCP>
Date: Mon, 29-Sep-86 12:41:28 EDT
Article-I.D.: jplgodo.827
Posted: Mon Sep 29 12:41:28 1986
Date-Received: Fri, 3-Oct-86 00:18:10 EDT
References: <4158@reed.UUCP>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 23
Summary: //GS also has plain text pages

In article <4158@reed.UUCP>, kamath@reed.UUCP (Sean Kamath) writes:
>
> [Summary: upset that the //GS only provides mac-like windows and must
>   use graphics for text only applications (spreadsheets, word processor,
>   etc.). Also doesn't want to have to use built-in toolboxes.]

Although there has not been any mention of it that I have seen, I know for
a fact that the GS has text pages and you can easily switch back and forth
between graphics display and text display (GrafOff and GrafOn calls in
QuickDraw II toolbox). Should make text only applications much faster but
you can still do graphics. As far as using toolboxes goes, I would rather
make use of someone else's code that they have spent a great deal of effort
to get right than have to reinvent it myself. I have more code to write than
I will ever get done in many lifetimes. If someone wants to provide me with
a quality graphics/sound/windowing/line edit/etc package great--just makes
my own programming faster.
--

...smeagol\   Steve Schlaifer
......wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....logico/   4800 Oak Grove Drive, M/S 301/165F
                  Pasadena, California, 91109
                       +1 818 354 3171

From 3046600988536393780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 10:13:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!cbmvax!bpa!burdvax!sdcrdcf!usc-oberon!

smeagol!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x43171 301/167)
Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e (actually Re: //GS graphics memory map)
Message-ID: <828@jplgodo.UUCP>
Date: Mon, 29-Sep-86 13:13:48 EDT
Article-I.D.: jplgodo.828
Posted: Mon Sep 29 13:13:48 1986
Date-Received: Fri, 3-Oct-86 00:18:26 EDT
References: <9800030@uiucuxa> <284@neoucom.UUCP>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 27
Summary: //GS graphics memory map

In article <284@neoucom.UUCP>, wtm@neoucom.UUCP (Bill Mayhew) writes:
>
> ......
>
> I saw a review of the new //GS on TV, and they were loading an
> image, and it came up with the familiar fill-in-between the lines
> fashion of the II. Perhaps this was just done for "effect" to
> disolve the screen. I sure was hoping the GS would have a mode
> with a contiguous bit map to make manipulations easier (and
> faster). Perhaps, the 128K quickdraw ROM in the GS will be a
> relief, and I won't have to do the dogwork of figuring out how to
> make the hardware dance nicely.

I did not see the demo mentioned but, when running in][emulation mode,
the //GS must emulate the bizarre mapping of the graphics onto the screen.
When running in native mode, however, the super-high-res graphics is linearly
mapped so that the next line on the screen is a lineworth of bits later in
memory just like one would like. On the other hand, the QuickDraw II in ROM
is reasonably fast for many purposes and unloads the programmer to do bigger
and better things.
--

...smeagol\   Steve Schlaifer
......wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....logico/   4800 Oak Grove Drive, M/S 301/165F
                  Pasadena, California, 91109
                       +1 818 354 3171

From 7108509358108071442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 12:18:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: InCider's comments on the new //GS

Message-ID: <812@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 29-Sep-86 15:18:35 EDT
Article-I.D.: cbmvax.812
Posted: Mon Sep 29 15:18:35 1986
Date-Received: Wed, 1-Oct-86 01:24:16 EDT
References: <285@neoucom.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 39

> One thing positive that I can say is that the 65816 is a pretty
> neat CPU. I'd like to get my hands on a //GS to dhrystone it.
> From what I've read, the claims are that the 3 MHz65816 can beat an 8
> MHz 68K chip. Also WDC promised a 65832 that fits the same socket
> by 1987.
>
> Bill Mayhew

Don't count on it. A 2.8MHz 65C816 can, in many cases, beat a 4.77MHz 8088. But not a 68000 at 8MHz. While the 65C816 at 2.8MHz does run a slightly faster bus speed than the 68000 at 8MHz, it has several major problems with using this speed: (1) The bus is still 8 bits wide, the 68000 bus is 16 bits wide. The 68000 is going to clobber the '816 when 16 bit operations are required. (2) The 65C816 still only has one general purpose register, the 68000 has 16 reasonably general registers, each of which is twice the width of the '816's register. Register based computation is much, much faster than memory based computation; this is one of the major principles of RISC architectures (not to imply that either machine is RISC, neither is). (3) The 68000 has a much more powerful instruction set. Just the multiply instruction alone is a big win in any numeric computations. (4) The '816 is a bit awkward/inefficient to program, especially considering the instruction overloads. Every instruction can operate on either 8 or 16 bit data, based upon a bit set in the status register. This makes switching between byte and word oriented data clumsy. (5) An upgrade to a 32 bit processor, in a pin-compatible package, won't gain you very much. A large part of the advantage of a 32 bit processor over a 16 bitter, or a 16 over an 8, is the doubling of the data bus. A pin compatible replacement would take a minimum of 4 times as long to run each 32 bit instruction based in memory as the equivalent processor with a 32 bit data bus. Also, WDC promised to have the 65C816 chip ready about 4 years ago, and its just now avilable in production quantities, from GTE. So I wouldn't be waiting on the edge of my seat for a 32 bit version.

--
==========
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -4196484602147193272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 12:30:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!lll-crg!lll-lcc!unisoft!dual!ptsfa!ski!
dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe and IIc raster scan synchronization.
Message-ID: <326@ski.UUCP>
Date: Mon, 29-Sep-86 15:30:13 EDT
Article-I.D.: ski.326
Posted: Mon Sep 29 15:30:13 1986
Date-Received: Wed, 1-Oct-86 01:43:19 EDT
Reply-To: dr@unix.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 44

In article <> ir332@sdcc6.ucsd.EDU (Jeff Miller) writes:
>I need to synchronize a program with some fixed point in the video
>display cycle (i.e. raster scan) on IIe's and IIc's. I have done
>this on II+'s by wiring a certain pin into the game port, and then
>reading the status of the game port. I would like to do the same
>thing for the other II machines, but I don't know which pin it is
>(or even whether there still is one that will work). To boot, I
>can barely solder, so don't refer me to some technical specs.
>Anybody out there who can help for either machine? Thanks.
>--
>   Jeff Miller   ARPA: sdcc6!ir332@ucsd.edu
>   U. C. San Diego   (I think)
>   Dept Psychology, C-009
>   La Jolla, CA 92093

There are both hardware and software ways to do this.

They are both described in the books "Enhancing Your Apple II",
Volumes 1 and 2, by Don Lancaster (SAMS Books Publications).

The hardware solution uses the SW3 on the game port, and is described
in Volume 1, as Enhancement 4 FIELD SYNC. The software in the same
chapter (assembly lang. routine, called from a BASIC demo program)
shows how it is used. All soldering takes place on two IC sockets,
which are then inserted between two IC's on the board. This is
apparently for the Apple II or II+.

The strictly software solution is in Volume 2, Enhancement 13; "THE
VAPORLOCK". It is an ungrade of Enhancement 4., and it works on
"the II, II+, //c, or //e". It gives you a fast and exect lock to
video timing without needing any hardware modifications.

                    -Dave

--
==

David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 6500979326861531192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61727ff5e7e4ba9f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 12:38:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!ucbvax!decwrl!tipple.dec.com!
craparotta
From: craparotta@tipple.dec.com (Joe Crap)
Newsgroups: net.micro.apple
Subject: //GS
Message-ID: <5623@decwrl.DEC.COM>
Date: Mon, 29-Sep-86 15:38:10 EDT
Article-I.D.: decwrl.5623
Posted: Mon Sep 29 15:38:10 1986
Date-Received: Wed, 1-Oct-86 01:55:57 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 32

Well I just went down to Computerland to see the new Apple //GS. I must say
I'm a little impressed. The RGB monitor is very nice! Also how everything is
layed out helps alot. They were having some problems running the DEMO [it
didn't work at all] and the new paint program by ACTIVISION. I did get to
see a digitized Flower and it looked great. They couln't tell me if is was
320x200 or 640x200 graphics mode. I would guess the latter. Other than that he
couldn't do much. He wouldn't open it up for me either!! They had the 1 meg
apple card in also. Some of the things I don't like though was:

No SCSI slot built in!!!

Comes with only 256k of mem!! I tried asking if u could put in 1 meg chips
instead and got the famous "I dont know but you can always buy the card"

Also no stereo sound. He couldn't demo any sound stuff for me but when he
powered it up and the 2 BOSE speakers went off ..WHOW... What a DING!!

He asked me if I wanted to order one as I knew he would. All i had to do was put
down 50% of the total price!!!! I then asked quite logically when he could
deliver the //GS. He said hopefully by December!!!!! What a joke he wants my
$$$ till DECEMBER!!!! And I'd even have the WOZ's signature... Well the WOZ's
siggy would be nice but if COMPUTERLAND or any other dealer thinks I'm gonna
give them my $$$ and wait they're all on drugs (thats a flame!!!) And if APPLE

thinks people are going to wait I would tend to think that ATARI/IBM/AMIGA are going to be selling pretty hot. The diehard apple fans might wait but the majority of CONSUMERS WITH $$ aren't....

THE ABOVE VIEWS RIGHT OR WRONG ARE MINE PERSONALLY. THEY HAVE NOTHING TO DO WITH THE COMPANY I WORK FOR.... TAKE 'EM WITH A GRAIN OF SALT.. THEN DOWN THE DRINK!!!

Joe Craparotta

From -1235733216549904871
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-29 13:07:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!lll-crg!lll-lcc!unisoft!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe and IIc raster scan synchronization.
Message-ID: <327@ski.UUCP>
Date: Mon, 29-Sep-86 16:07:22 EDT
Article-I.D.: ski.327
Posted: Mon Sep 29 16:07:22 1986
Date-Received: Wed, 1-Oct-86 01:43:34 EDT
Reply-To: dr@unix.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 28

I neglected to mention, in the article I just posted, that the FIELD SYNC enhancement was updated in the second printing of Enhancing Your Apple][, Volume I.

The one-wire addition was for the old]['s. In the update section, it is pointed out that the //e has the VBL signal available at $C019. The appropriate software corrections for the assembly program are given. Since $C019 is used for a different purpose on the //c, the //e routines were not applicable.

However, since the other software solution in Vol.2 works on all Apples, the above problems can be ignored. The software solution takes advantage of the Apple common data bus, reading a floating value from the video cycle that is still present. (The stray capacitance holds the last value.)

-Dave

--
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation

(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -8940482199097386751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,933db0914b696cbf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 05:44:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!sri-spam!sri-unix!hplabs!hao!noao!hsi!
archer
From: archer@hsi.UUCP (Yrrag Rehcra)
Newsgroups: net.micro.apple
Subject: 40 cols to 80 cols to 40 cols query.
Message-ID: <426@hsi.UUCP>
Date: Tue, 30-Sep-86 08:44:36 EDT
Article-I.D.: hsi.426
Posted: Tue Sep 30 08:44:36 1986
Date-Received: Fri, 3-Oct-86 00:37:52 EDT
Distribution: net
Organization: Health Systems Int., New Haven, CT.
Lines: 48

Munch, munch, munch <<INE WITH YOUR MESSAGE ***

I turn to fellow net.micro.apple readers for inspiration!

Within an Applesoft BASIC program I'm writing I want to go from 40 column mode to 80 column mode to print a wide listing and back to 40 column mode to continue the program.

HELP !!!

I have an Apple IIc, and documentation on it's 80 column text card is not the best. In the 40 column inactive mode, my program uses INVERSE and FLASH statements. I turned on the 80 column card with the following statements, as per the manuals:

```
100 PRINT CHR$(4); "PR#3"
110 PRINT CHR$(18)
```

Now, according to my manuals, to turn off the 80 column cards, the following statements are necessary:

```
200 PRINT CHR$(27); CHR$(17) : REM -- ESC CTRL-Q
210 PRINT CHR$(4); "PR#0"
```

Well -- IT DOESN'T WORK!!!
How do I know? The Apple returns to 40 columns alright, but the 80 column card is still active. FLASH statements do not flash, they look like INVERSE with garbage text in them instead.

Am I missing something here? What AM I doing wrong? Did I read the manuals wrong or something? Hopefully, if someone can resolve this for me, the solution may be a handy gimmick for other Applesoft programmers who have never tried to use both 40 and 80 column modes in their programs before. The only reason I need to turn off the card is so that I can use FLASH and INVERSE statements without printing garbage.

Thanks in advance!

--

Garry Archer Esq. ihnp4!hsi!archer
Health Systems International
New Haven, CT 06511
USA

From -5557907375886568649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,537ca8f2a55239e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 07:12:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!houxm!homxb!adb1
From: adb1@homxb.UUCP (A.BENSON)
Newsgroups: net.micro.apple
Subject: computer use in schools/education
Message-ID: <1984@homxb.UUCP>
Date: Tue, 30-Sep-86 10:12:55 EDT
Article-I.D.: homxb.1984
Posted: Tue Sep 30 10:12:55 1986
Date-Received: Wed, 1-Oct-86 05:19:08 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 11

I am interested in finding out about the use of the Apple line (esp IIe) for primary and secondary education. I am interested in cost, availability of software and any ideas for the establishment of a computer curriculum.

Thanks in advance for your help.
Angela
(201)870-7565
homxb!adb1

From -4596105077817919905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 09:41:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe and IIc raster scan synchronization.
Message-ID: <2083@ecsvax.UUCP>
Date: Tue, 30-Sep-86 12:41:13 EDT
Article-I.D.: ecsvax.2083
Posted: Tue Sep 30 12:41:13 1986
Date-Received: Fri, 3-Oct-86 00:44:54 EDT
References: <2869@sdcc6.ucsd.EDU>
Organization: UNC Educational Computing Service
Lines: 13

> I need to synchronize a program with some fixed point in the video
> display cycle (i.e. raster scan) on IIe's and IIc's. I have done
> this on II+'s by wiring a certain pin into the game port, and then
> reading the status of the game port. I would like to do the same
> thing for the other II machines, but I don't know which pin it is

The //e and //c have a soft switch that indicates vertical retrace to software.
The signal is also on the bus slots. I don't remember which pin. You
can look up the address of the soft switch or the bus pin in the //e reference
manual. These signals should be
available in the //c somewhere too, although I don't know where. The mouse
hardware built into the //c can generate an interrupt on vertical retrace,
even if you don't have a mouse connected. So you can write an interrupt
routine to do whatever you want at that time.

From 5463033668605836101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 09:49:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e
Message-ID: <2084@ecsvax.UUCP>
Date: Tue, 30-Sep-86 12:49:54 EDT
Article-I.D.: ecsvax.2084
Posted: Tue Sep 30 12:49:54 1986
Date-Received: Fri, 3-Oct-86 00:45:09 EDT
References: <9800030@uiucuxa>

Organization: UNC Educational Computing Service
Lines: 25

>
> hi
> I'm from a Commodore - 128 kind of scene
> I ran a program on both the apple //e
> and a C-128
>
> 10 fort=1 to 500
> 20 a=3.14159
> 30 b=sqr(val(str$(a*a)))
> 40 nextt
> 50 end
>
> and the C-128 in the 80-col mode is almost 2x as fast
> by the way, the values of 'b' were almost identacle
> acually, the C-128 is almost (within 20%) as fast as
> an IBM PC.

That makes sense because the C128 runs at 2mhz compared to 1 mhz standard for the apple //. Drop in an accelerator however and the Apple runs twice as fast as an IBM or the c128. Where do you plug in an accelerator on a C128 and why would you want to run bad software twice as fast? The benchmark you list is not totally hardware dependent. The quality and type of Basic will make a difference too.

Rick

From -2438532517887753846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,382dcd3b54cdbdc0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 13:12:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!houxm!mtuxo!mtgzz!ghs
From: ghs@mtgzz.UUCP (G. H. Smith)
Newsgroups: net.micro.apple
Subject: HELP! Apple Speedscript
Message-ID: <2169@mtgzz.UUCP>
Date: Tue, 30-Sep-86 16:12:59 EDT
Article-I.D.: mtgzz.2169
Posted: Tue Sep 30 16:12:59 1986
Date-Received: Wed, 1-Oct-86 05:23:47 EDT
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 40

I'm posting for a friend without access to the net. If I don't make sense its cause I'm an IBM PC user, not an Apple user. My friend is also not too experienced with the PC yet, so this may be a pilot error.

First -- We need help bringing up an Apple Speedscript software. I'd like to
hear from anyone having the same problems or a tip as to what is wrong.

The label on the disk reads:

Apple Speedscript
Charles Brannon & Kevin Martin

ProDOS this side: Copy PRODOS to this side and boot disk

DOS 3.3 other side: Boot 3.3 disk, insert this disk and
enter RUN HELLO and press RETURN

Copyright COMPUTE Publications, Inc. 1985.

Trying to follow the directions for the first side, she gets
"Unable to load ProDOS"

On the second side she gets "Press any key to continue"; when she
does, nothing happens.

I'm taking my friend's word on this; I haven't seen it myself.
I am experienced with IBM PCs, so if responses are technical, fine.

Second -- Is this Apple Speedscript software OK stuff? I get suspicious
of of software that doesn't provide good enough directions for a
novice to get it up & running. Is this a good package for casual
users, or is there something more appropriate?

RESPONSES:

- email is best
- voice: (201) 957-5602 office
  (201) 462-7897 home office
- text: g.smith
  30 Strathmore Rd. RD #2
  Freehold, NJ 07728

From 3050175217122614627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61727ff5e7e4ba9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 14:50:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!sri-spam!sri-unix!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: //GS
Message-ID: <4178@reed.UUCP>
Date: Tue, 30-Sep-86 17:50:59 EDT
Article-I.D.: reed.4178
Posted: Tue Sep 30 17:50:59 1986
Date-Received: Sat, 4-Oct-86 04:49:17 EDT

References: <5623@decwrl.DEC.COM>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 33

Two things. One, Apple didn't change the bit mapping of the hi-res screen for a really good reason. A LOT of existing Apple software uses the graphics screen. Remap the screen, and just try and play Wizardry or Rescue Raiders. Compatability, folks. Sure, you can have all those wonderful features everyone claims they want, right now, in fact. It's called a MicroVax. But it won't boot Dos 3.3, nor run Applesoft (Without a lot of help).

Second, if I want color backgrounds and screens and junk like that, I'll buy an Amiga. Speed and capabilities aren't everything, you know. (Go ahead, more flames...) (But I DO like the sound...)

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
 purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
 cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
 reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
 Portland, OR 97202
 (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From -2137993743516860180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9feda5b3c3a0113
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-30 19:27:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!think!nike!ucbcad!zen!buddy.Berkeley.EDU!c55-gc
From: c55-gc@buddy.Berkeley.EDU (Augie Kuo)
Newsgroups: net.micro.apple
Subject: Re: Apple][to Unix?
Message-ID: <402@zen.BERKELEY.EDU>
Date: Tue, 30-Sep-86 22:27:13 EDT
Article-I.D.: zen.402

Posted: Tue Sep 30 22:27:13 1986
Date-Received: Fri, 3-Oct-86 08:19:39 EDT
References: <1133@mhuxt.UUCP>
Sender: news@zen.BERKELEY.EDU
Reply-To: c55-gc@buddy.Berkeley.EDU.UUCP (Augie Kuo)
Organization: University of California, Berkeley
Lines: 23

In article <1133@mhuxt.UUCP> evans@mhuxt.UUCP writes:
>This has probably been asked/answered a thousand times, but I don't look
>at this group...
>
>Is there any package for Apple][<--> Unix communications, in particular
>for uploading Apple][files to a Unix machine?

Since UNIX does not support XMODEM, YMODEM, etc. you'll have to do ASCII transfers. If you have AE pro, it makes life a lot easier. To download, just put your copy buffer on (if it is a long file use the auto-write) & cat the file or whatever. To upload something, you'll have to send your file in ASCII format. Go into your favorite editor (remember to set the autoindent to 0) and then use the AE command "S" to send in standard line form; remember to save the file after you're done. One more thing, if your text editor can't handle 1200 baud, since most people don't type that fast, use the "<" key to slow down the transfer.

Hope this will work for you, and if anyone DOES have XMODEM, etc. for UNIX I'd like a copy of it. Thanks

Augie Kuo - c55-gc@buddy.berkeley.edu
kuo@miro.berkeley.edu

From 2643444584892529677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7d3be472d3100d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 07:56:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!caip!clyde!cbatt!ihnp4!ihuxe!jsk
From: jsk@ihuxe.UUCP (Jim Kent)
Newsgroups: net.micro.apple
Subject: College Entrance Exam software
Message-ID: <1375@ihuxe.UUCP>
Date: Wed, 1-Oct-86 10:56:37 EDT
Article-I.D.: ihuxe.1375
Posted: Wed Oct 1 10:56:37 1986
Date-Received: Sat, 4-Oct-86 02:13:41 EDT
Distribution: net
Organization: AT&T Bell Labs, Naperville, IL
Lines: 11

<>
I am interested in obtaining software for my Apple //e to help prepare
my daughter for the PSAT/SAT/ACT tests she will soon be taking. There
are a number of software packages available. I would like to hear from
anyone who has experience with such software. Any comments both
positive and negative would be appreciated.

Thanks,
Jim Kent
..ihnp4!ihuxe!jsk

From 6608985024469930437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 09:36:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!think!husc6!husc4!nakada
From: nakada@husc4.harvard.edu (paul nakada)
Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e
Message-ID: <293@husc6.HARVARD.EDU>
Date: Wed, 1-Oct-86 12:36:09 EDT
Article-I.D.: husc6.293
Posted: Wed Oct 1 12:36:09 1986
Date-Received: Fri, 3-Oct-86 00:55:28 EDT
References: <9800030@uiucuxa> <2084@ecsvax.UUCP>
Sender: news@husc6.HARVARD.EDU
Reply-To: nakada@husc4.UUCP (paul nakada)
Organization: Harvard Science Center
Lines: 30

In article <2084@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:
>>
>> hi
>> I'm from a Commodore - 128 kind of scene
>> I ran a program on both the apple //e
>> and a C-128
>>

[a program and other stuff]

>
>That makes sense because the C128 runs at 2mhz compared to 1 mhz standard for
>the apple //. Drop in an accelerator however and the Apple runs twice as fast
>as an IBM or the c128. Where do you plug in an accelerator on a C128 and
>why would you want to run bad software twice as fast? The benchmark you
>list is not totally hardware dependent. The quality and type of Basic
>will make a difference too.
>
>Rick

isn't it true that although the // series microprocessor runs at 1mhz, the computer runs at an apparent speed of 0.5mhz because of the video/computer division of time..

Somehow, I don't really think the microprocessor spped is quite as important as the apparent or visible speed... Here, the Apple, usually through excellent programming, makes up much ground on the PC series..
Anyone else out there feel the same?

Paul Nakada

From 3315056021851292336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,7823088e6b64a637,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 125017,7823088e6b64a637,start
X-Google-Attributes: gid125017,public
X-Google-Thread: 1622d3,7823088e6b64a637,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 10:31:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!husc6!ut-sally!utastro!gist
From: gist@utastro.UUCP (Marc Gist)
Newsgroups: net.graphics,net.micro.apple,net.micro.mac
Subject: color graphics in MacWorld
Message-ID: <1302@utastro.UUCP>
Date: Wed, 1-Oct-86 13:31:53 EDT
Article-I.D.: utastro.1302
Posted: Wed Oct 1 13:31:53 1986
Date-Received: Fri, 3-Oct-86 10:14:41 EDT
Organization: U. Texas, Astronomy, Austin, TX
Lines: 9
Keywords: how & what with
Xref: watmath net.graphics:1954 net.micro.apple:3125 net.micro.mac:8066

  MacWorld has been running some very nice *color* bit-mapped illustrations to accompany various articles. I'm curious as to how color is assigned to the picture (assuming its drawn on a Mac) and how the printing press recieves this information. I can see overlays being used, but that seems kind of retrogressive.
  Anyone care to elaborate?

From 1020531455833045307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,382dcd3b54cdbdc0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 12:44:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!rutgers!nike!ucbcad!ucbvax!WHEELER-EMH.ARPA!gviernes
From: gviernes@WHEELER-EMH.ARPA
Newsgroups: net.micro.apple
Subject: Re: HELP! Apple Speedscript
Message-ID: <8610120145.AA29344@ucbvax.Berkeley.EDU>
Date: Wed, 1-Oct-86 15:44:21 EDT
Article-I.D.: ucbvax.8610120145.AA29344
Posted: Wed Oct 1 15:44:21 1986
Date-Received: Sun, 12-Oct-86 02:05:40 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet
Lines: 10

I'm far from being a technical expert on the Apple, but this
'problem' sounds so familiar. I could not load Newsroom.
The problem was that I had not enhanced my //e, apparently
it was assumed by the software writers that only enhanced
machines are out here. It cost me another $70 to get my $50
program to run.

Obsolescence makes the world go 'round.

From 2209229590396005476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 13:22:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!bpa!burdvax!psuvax1!psuvm.bitnet!b5u
From: B5U@PSUVMB.BITNET
Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <7641B5U@PSUVMB>
Date: Wed, 1-Oct-86 16:22:29 EDT
Article-I.D.: PSUVMB.7641B5U
Posted: Wed Oct 1 16:22:29 1986
Date-Received: Sat, 4-Oct-86 05:31:44 EDT
References: 4158@reed.UUCP
Lines: 31

 Well, if you don't like the Mac, go on net.micro.mac and say so. It is
only the most powerful micro on the market. And if you don't like the
//GS, find someone who is selling their //e to get the //gs. No one is
forcing you to use the computer you don't like.
 I haven't been able to lay my hands on the //GS, but from what I've seen,
it is a color alternative for someone that wants a user-friendly machine.
And, places like schools that can't afford to replace all their // series
software can expand to the color and sound quality theat the //GS offers.
 I don't think you need a 3.5 inch drive to expand a //e to the //GS level,

just the memory expansion and the mouse. This is an expense, but not as much as the total //GS cost.
I think Apple has made a great move in maintaining the // series, and the //GS is just another step in the ongoing process. Now, if my roommate can afford the expansion....a //GS would complement my Mac Plus nicely.

Oh, by the way, I love the Mac, as it is much more powerful than most other micros, and the graphics you seem to detest I think help the ease of use. However, everyone is entitled to their own opinion...

==========

George A. Brownfield
The Pennsylvania State University

Bitnet: GAB @PSUECL
UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

"Not everyone can be bought, but most can be rented"

==========

From -7590130764118230930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed0ac38a66c90663,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 14:13:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!gargoyle!sphinx!kus3
From: kus3@sphinx.UChicago.UUCP (robert kusumoto)
Newsgroups: net.micro.apple
Subject: //gs
Message-ID: <670@sphinx.UChicago.UUCP>
Date: Wed, 1-Oct-86 17:13:43 EDT
Article-I.D.: sphinx.670
Posted: Wed Oct 1 17:13:43 1986
Date-Received: Fri, 3-Oct-86 11:07:40 EDT
Reply-To: kus3@sphinx.UUCP (Bob Kusumoto)
Organization: Univ. of Chicago Computation Center
Lines: 21

Well, I was lucky enough to see the brouchure that the Apple dealers reieved the week before the //gs was released, from it, I can say that the computer is pretty impressive for the base $999 for the CPU, mouse and keyboard.

yes, its only 256K RAm, and 128K ROM, just make sure you get those 2 separated, ok? and its upgradable to 16 meg, fully accessable without bank switching. from that meeting, I heard that it was 90% software compatatable with the //e emulation mode and all the hardware expect the aple ssc and the applied engineering cards worked. the ssc didn't work because of

a different communications chip that was in the gs, while the ae card were some unknow reason at the time. its too late now but if you went in early and reserved one of 7 //gs that each dealer recieved a week ago, you would be playing around with it now, otherwise, you will have to wait til AFTER Christmas to receive this lovely product.

Hopefully, I will get that brochure back and reproduce it, in full for you all to enjoy

Bob

From -5655010011783635580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 14:21:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: C128 vs Apple //e
Message-ID: <822@cbmvax.cbmvax.cbm.UUCP>
Date: Wed, 1-Oct-86 17:21:22 EDT
Article-I.D.: cbmvax.822
Posted: Wed Oct 1 17:21:22 1986
Date-Received: Fri, 3-Oct-86 11:50:00 EDT
References: <284@neoucom.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 39

> Summary: cpu clock speed faster in c128
>
> [Line eater, get me.]
>
> It's been a while since I was dabbling on a c128. I do remember,
> though, that under certain circumstances the cpu on the c128 is
> run at 2.04 MHz, rather than the "standard" 1.02 MHz. Don't quote me
> on this, but I think it was durring the CRT retrace times that the
> cpu is running faster on the c128.

Its been awhile since I dabbled on the C128 too. But I was one of the design engineers on the thing. The 1.02 Mhz speed, same as the C64, is what you get if you want to use both displays on the '128 (40 and 80 column, which are distinct video controllers). The 40 column display chip, when active, will alos steal a few cycles from the processor for character data fetches and sprite display. However, if the 40 column display is not needed, the '128 will run at 2.04 MHz nearly all the time, and the 80 column display chip will function as normal. The 2.04 MHz clock will slow down for two things. RAM refresh is one of these, though its pretty infrequent. The other slowdown is for any access of an I/O chip. You'll get a slowdown statistically 50% of the time you access an I/O chip. The reason behind this is that some of

the I/O chips require the 1.02 MHz clock as a time base. Thus, if the
I/O request occurs out of sync with the 1.02 MHz clock, it must be
stretched to sync. If the access is in sync, no stretch is required.
And there are no video DMA's to slow the processor down in this mode;
the 80 column chip manages its own memory.
>
> Bill Mayhew
> Division of Basic Medical Sciences
> Northeastern Ohio Universities' College of Medicine
> Rootstown, Ohio 44272 USA   216-325-2511
> (wtm@neoucom.UUCP)
--
==========
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -1593111977066802724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13cc7c,3c524596108f6833,start
X-Google-Attributes: gid13cc7c,public
X-Google-Thread: 1622d3,3c524596108f6833,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-01 22:56:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!elbereth!rutgers!husc6!panda!genrad!decvax!
tektronix!tekgen!robertj
From: robertj@tekgen.UUCP
Newsgroups: net.kids,net.micro.apple
Subject: EDUCATIONAL SOFTWARE FOR APPLE NEEDED
Message-ID: <413@tekgen.UUCP>
Date: Thu, 2-Oct-86 01:56:26 EDT
Article-I.D.: tekgen.413
Posted: Thu Oct 2 01:56:26 1986
Date-Received: Sat, 4-Oct-86 09:19:28 EDT
Reply-To: robertj@tekgen.UUCP (Robert Jaquiss)
Distribution: world
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 5
Xref: watmath net.kids:3918 net.micro.apple:3129

     I have a friend who is teaching a class of learning
disabled students. He recently inherited eight apples and no
software. I need to find sources of public domain educa-
tional software for the apple. Thank you for the help.

From 4269731324315471048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-02 06:50:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!sri-spam!nike!ll-xn!mit-amt!mit-eddie!
genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e
Message-ID: <2091@ecsvax.UUCP>
Date: Thu, 2-Oct-86 09:50:10 EDT
Article-I.D.: ecsvax.2091
Posted: Thu Oct 2 09:50:10 1986
Date-Received: Sat, 4-Oct-86 10:04:55 EDT
References: <9800030@uiucuxa> <284@neoucom.UUCP>
Organization: UNC Educational Computing Service
Lines: 27

> [Line eater, get me.]
>
> Hi,
>
>
> I saw a review of the new //GS on TV, and they were loading an
> image, and it came up with the familiar fill-in-between the lines
> fashion of the II. Perhaps this was just done for "effect" to
> disolve the screen. I sure was hoping the GS would have a mode
> with a contiguous bit map to make manipulations easier (and
> faster). Perhaps, the 128K quickdraw ROM in the GS will be a
> relief, and I won't have to do the dogwork of figuring out how to
> make the hardware dance nicely.
>
>   --Bill
>
> Bill Mayhew
> Division of Basic Medical Sciences
> Northeastern Ohio Universities' College of Medicine
> Rootstown, Ohio 44272 USA   216-325-2511
> (wtm@neoucom.UUCP)

The new graphics modes on the //gs have 32K of contiguous screen
memory with 16 color tables. You won't have to do handstands quite
so much for them.

Rick

From -6816468981368084166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-02 07:06:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!sri-spam!nike!ll-xn!mit-amt!mit-eddie!

genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <2092@ecsvax.UUCP>
Date: Thu, 2-Oct-86 10:06:52 EDT
Article-I.D.: ecsvax.2092
Posted: Thu Oct 2 10:06:52 1986
Date-Received: Sat, 4-Oct-86 10:05:14 EDT
References: <4158@reed.UUCP> <204@csustan.UUCP> <285@neoucom.UUCP>
Organization: UNC Educational Computing Service
Lines: 33

>
> I saw the "apple light" demo too. I cringed when the picture of
> the guy playing the sax disolved into the combo. I saw that old
> fill-in-inbetween-the-lines video behavior that I've learned to
> HATE so well on the][and //e!! Somebody pleeze tell me that they
> were just doing the disolve that way for effect, rather than
> becuase adjacent sceen pixels aren't adjacent memory (be honest)!

OK, I'll tel you, yes the video is contiguous. It's a 32 K block of
RAM, they supposedly went to great lengths to do this because the RAM is
not physically contiguous for electrical reasons, so they remapped it
so that the address would be contiguous.

>
> I have to admit that no text page in the 16 bit mode is peculiar.
> I guess that is Apple being Apple again.
>
>
> One thing positive that I can say is that the 65816 is a pretty
> neat CPU. I'd like to get my hands on a //GS to dhrystone it.
> From what I've read, the claims are that the 3 MHz65816 can beat an 8
> MHz 68K chip. Also WDC promised a 65832 that fits the same socket
> by 1987.

Yes this chip really screams, it's close to being a RISC (Reduced
Instruction Set Machine) technology chip. It's interesting how the
hardware world has come full circle and the 65xxx family is still
viable.

Rick Fincher

Ranger@ecsvax

From -6700035351704537223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10a18d,b4f7554fb5e5a8c8,start
X-Google-Attributes: gid10a18d,public
X-Google-Thread: 1622d3,b4f7554fb5e5a8c8,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-02 12:49:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!tektronix!orca!shark!donr
From: donr@shark.UUCP
Newsgroups: or.general,net.micro.apple
Subject: Apple][Drive problem
Message-ID: <1932@shark.UUCP>
Date: Thu, 2-Oct-86 15:49:09 EDT
Article-I.D.: shark.1932
Posted: Thu Oct 2 15:49:09 1986
Date-Received: Fri, 3-Oct-86 07:52:37 EDT
Distribution: na
Organization: Tektronix, Wilsonville OR
Lines: 19

*** brrra-a-a-ck +- click click ***

A friend of mine and I have Apple][+s. He complained that his drives would
not read some of his disks. He brought his drives and controller card over
and we experimented by mixing and matching cards and drives determining it was
his drives, not his card.

$200 later, with a swapped out drive, and a bit of tweaking on the other, he
has no problems. He did find out, some way, that the disks he was unable to
read were Pascal format (he says.....)

Anyway, much to my horror and suprise, I now have the same symptoms. Neither
drive will boot Pascal. DOS 3.3 works fine. With a pascal disk, the drive
seems to read a little of the disk, keeps spinning until reset is hit and
leaves a screenful of inverse @.

Does any of this sound familiar to anyone? $200 is a bit hard to come by
right now and I really need the system, so any information you could give
me (e-mail) would be appreciated.

From 6493861948894965984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,289fa5cc1bc4fe9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-02 21:08:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!nike!ucbcad!ucbvax!kim.Berkeley.EDU!jchan
From: jchan@kim.Berkeley.EDU (Jeffery Chan)
Newsgroups: net.micro.apple
Subject: The GETLN routines
Message-ID: <15899@ucbvax.BERKELEY.EDU>
Date: Fri, 3-Oct-86 00:08:20 EDT
Article-I.D.: ucbvax.15899
Posted: Fri Oct 3 00:08:20 1986
Date-Received: Sat, 4-Oct-86 09:54:15 EDT
Sender: usenet@ucbvax.BERKELEY.EDU

Reply-To: jchan@kim.Berkeley.EDU.UUCP (Jeffery Chan)
Organization: University of California, Berkeley
Lines: 35
Keywords: Did I just discover a "feature"?

][

I'm trying to write a binary progarm that trys to make use of the GETLN routines (as described in the Apple reference manual).

What happens is the when I call the routines and the input is "LOADER.OBJ0", the program trys to execute the input as a DOS command ("LOAD RE.OBJ0"). I get "FILE NOT FOUND" after a disk access and find myself back in basic.

The reference manual, to refreash your memory, says the routine should return with the input in the "input buffer page" (page $02) and register X holding the number of characters read.

Now I know I *can* get the GETLN routines to behave properly, because I have a binary program that calls GETLN1 (the one w/o any prompt), and doesn't do anything weird when the input resembles a DOS command. I could try to figure out how the program works but I don't think I would like to trace a machine language program. :-(

My computer setup has a communications card in slot 2 and the single disk drive connected to slot 6. And, oh yeah, it's a IIe.

If anybody has any ideas on this matter please reply by mail. There's no use in flooding the net with followups. When someone mails me a solution, I'll post it.

Jeff Chan
jchan@kim.Berkely.EDU

Sign on Ringworld: "Speed limit: 5 miles/sec-- strictly enforced"

From 1818187768814089203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,289fa5cc1bc4fe9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-02 21:17:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!nike!ucbcad!ucbvax!kim.Berkeley.EDU!jchan
From: jchan@kim.Berkeley.EDU (Jeffery Chan)
Newsgroups: net.micro.apple
Subject: The GETLN routines
Message-ID: <15900@ucbvax.BERKELEY.EDU>

Date: Fri, 3-Oct-86 00:17:06 EDT
Article-I.D.: ucbvax.15900
Posted: Fri Oct 3 00:17:06 1986
Date-Received: Sat, 4-Oct-86 09:54:47 EDT
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: jchan@kim.Berkeley.EDU.UUCP (Jeffery Chan)
Organization: University of California, Berkeley
Lines: 34
Keywords: Did I just discover a "feature"?

][

I'm trying to write a binary progarm that trys to make use of the GETLN routines (as described in the Apple reference manual).

What happens is the when I call the routines and the input is "LOADER.OBJ0", the program trys to execute the input as a DOS command ("LOAD RE.OBJ0"). I get "FILE NOT FOUND" after a disk access and find myself back in basic.

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My computer setup has a communications card in slot 2 and the single disk drive connected to slot 6. And, oh yeah, it's a IIe.

If anybody has any ideas on this matter please reply by mail. There's no use in flooding the net with followups. If someone mails me a solution, I'll post it. (Also, please use 'r', not 'R'-- I know what I said)

Jeff Chan
jchan@kim.Berkely.EDU

Sign on Ringworld: "Speed limit: 5 miles/sec-- strictly enforced"

From -4377397371924813186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4f7554fb5e5a8c8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-03 09:01:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!ucbvax!ucbcad!nike!lll-crg!seismo!columbia!

lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)
Newsgroups: net.micro.apple
Subject: Re: Apple][Drive problem
Message-ID: <3282@columbia.UUCP>
Date: Fri, 3-Oct-86 12:01:23 EDT
Article-I.D.: columbia.3282
Posted: Fri Oct 3 12:01:23 1986
Date-Received: Sat, 4-Oct-86 07:26:36 EDT
References: <1932@shark.UUCP>
Sender: nobody@columbia.UUCP
Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Distribution: na
Organization: Columbia University Computer Science Department
Lines: 8

There are several possible simple cures. There is the drive speed
which you can tweek. Some drives take a while to settle down. The
other more interesting problem is from magnetic fields in the area of the
drive. I find that many drives are position sensative with respect to
the monitor. Try running a loop and more the drive till you get no errors.

Nat polish

From 5412860679982387139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,def6fcbcec4aa659,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-03 11:04:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!rutgers!sri-spam!nike!ucbcad!ucbvax!ucdavis!
ucrmath!hope!deano
From: deano@hope.UUCP (Dean Benz)
Newsgroups: net.micro.apple
Subject: BBS with xmodem request
Message-ID: <750@hope.UUCP>
Date: Fri, 3-Oct-86 14:04:37 EDT
Article-I.D.: hope.750
Posted: Fri Oct 3 14:04:37 1986
Date-Received: Sat, 4-Oct-86 13:04:57 EDT
Distribution: net
Organization: University of California, Riverside
Lines: 22

*** REPLACE THIS LINE WITH YOUR LINE EATER (<---------- ***

I just fell upon the the possibilities to purchase profile 5 meg drives
for real cheap, so now I want to set up a BBS for our campus and local
users groups. The problem is that I need a BBS program (preferable
public domain or within a students budget). The program should support
Xmodem and text data transfers. It should also be able to drive an

external 2400/1200/300 baud modem.
     Does anyone out there have such a beast? Anything at all, would probaly do, as long as it's in basic or has the source code with it so it can be modified or added onto. So if anyone out there has any sort of BBS software, or knows where I can get ahold of some, please let me know.
                         Thanks in advance

                         Dean "Deano" Benz

UUCP: !ucbvax!ucdavis!ucrmath!hope!deano (UCR: Home of, Ah, Well, Gimme a sec.)

A large number of Monkeys w/Terminals wrote this so as to distribute the blame.

"If it can't be expressed in figures, it is not science, it is opinion." L.Long

From -5633850962099499082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce6f672f41308033,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-03 13:28:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bellcore!petrus!magic!joevax!sdh
From: sdh@joevax.UUCP (The Doctor)
Newsgroups: net.micro.apple
Subject: Re: Getln1 problem
Message-ID: <295@joevax.UUCP>
Date: Fri, 3-Oct-86 16:28:19 EDT
Article-I.D.: joevax.295
Posted: Fri Oct 3 16:28:19 1986
Date-Received: Sat, 4-Oct-86 12:17:49 EDT
Distribution: net
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 19

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

The problem you are having is that the DOS interpreter is still plugged in for GETLN, but is not for GETLN1. The simplest way to get around this problem is to make sure that DOS is turned off before you do GETLN. You could always write a program to do the same thing that doesn't use DOS, or just use GETLN1.

DO you really need a prompt? If so try this:

MYGET: JSR $FDED ; PRINT WHATEVER IS IN THE ACCUMULATOR
     JMP GETLN ; DO A GETLN.
the hex for this is:
20 ED FD 4C xx yy
where xx is the low byte of the address of getln, and yy the high.
Another way is to use $FDF0 instead of $FDED, but this may not work with all environments as well as $FDED does.

Steve Hawley
joevax!sdh

From 624616744053834506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61727ff5e7e4ba9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-03 19:41:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decwrl!tipple.dec.com!
craparotta
From: craparotta@tipple.dec.com (Joe Crap)
Newsgroups: net.micro.apple
Subject: //GS
Message-ID: <5733@decwrl.DEC.COM>
Date: Fri, 3-Oct-86 22:41:20 EDT
Article-I.D.: decwrl.5733
Posted: Fri Oct 3 22:41:20 1986
Date-Received: Mon, 6-Oct-86 18:20:31 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 15

One other thing that I forgot to mention... What happened to the CASSETTE
PORT.. Hey Apple whats up????

Kidding aside they could've had more *(*)s and given us some better
basic.... I plunked my name on a list anyway..... Everyone is talking about
the bus being only 16 bits... I read that the data bus is 24 bits... Is this
the internal bus??? Also they could've givven us some 16 bit expander slots
to play with....

Joe

PS: any one know specs on the vr241 as i would like to use that as my RGB
monitor instead of paying $$$$ Any help would be appreciated...

From 8583954358352895998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4f7554fb5e5a8c8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-03 23:12:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rutgers!nike!ucbcad!zen!buddy.Berkeley.EDU!c55-gc
From: c55-gc@buddy.Berkeley.EDU (Augie Kuo)
Newsgroups: net.micro.apple
Subject: Re: Apple][Drive problem
Message-ID: <451@zen.BERKELEY.EDU>
Date: Sat, 4-Oct-86 02:12:46 EDT

Article-I.D.: zen.451
Posted: Sat Oct 4 02:12:46 1986
Date-Received: Sat, 4-Oct-86 13:54:03 EDT
References: <1932@shark.UUCP>
Sender: news@zen.BERKELEY.EDU
Reply-To: c55-gc@buddy.Berkeley.EDU.UUCP (Augie Kuo)
Distribution: na
Organization: University of California, Berkeley
Lines: 5
Keywords: repair

I saw this ad in a computer magazine for this company in Florida that would
repair Apple drives for $30 and IBM for $25...If you need to know the address
etc. mail me and I will look it up for you.

Augie Kuo - c55-gc@buddy.berkeley.edu

From -4750811948240153949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24b2f78c948505f9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-04 09:52:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!husc6!husc4!nakada
From: nakada@husc4.harvard.edu (paul nakada)
Newsgroups: net.micro.apple
Subject: buying the //gs
Message-ID: <316@husc6.HARVARD.EDU>
Date: Sat, 4-Oct-86 12:52:21 EDT
Article-I.D.: husc6.316
Posted: Sat Oct 4 12:52:21 1986
Date-Received: Mon, 6-Oct-86 18:42:47 EDT
Sender: news@husc6.HARVARD.EDU
Reply-To: nakada@husc4.UUCP (paul nakada)
Distribution: net
Organization: Harvard Science Center
Lines: 19

Well, all this excitement about the //GS has gotten me thinking about
somehow selling parts of my existing systems and upgrading to the
//GS. I have a 64k][+ with videx 80 columns, Keytronic 200,copy card, cpm,
2 drives, parallel card, epson mx-80, zenith 12" green phosphor..

I also have a //c, usr 1200 baud, 2 drives, okidata 192, 9 inch
apple monitor and stand.

Anyone have any suggestions about how I could upgrade (as in what I should
sell/ what I whould keep).. Is it really worth upgrading to the
//gs?? My main use for my //'s are for programming... basic/assembly
word proc. and telcom.... any suggestions are welcome...

respones can be posted or sent to

harvard!husc4!nakada

paul nakada

From 1763510440365581635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9feda5b3c3a0113
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-04 10:43:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!cbmvax!vu-vlsi!williams
From: williams@vu-vlsi.UUCP (Thomas Williams)
Newsgroups: net.micro.apple
Subject: Re: Apple][to Unix?
Message-ID: <373@vu-vlsi.UUCP>
Date: Sat, 4-Oct-86 13:43:55 EDT
Article-I.D.: vu-vlsi.373
Posted: Sat Oct 4 13:43:55 1986
Date-Received: Tue, 7-Oct-86 19:25:06 EDT
References: <1133@mhuxt.UUCP> <402@zen.BERKELEY.EDU>
Reply-To: williams@vu-vlsi.UUCP (Thomas Williams)
Organization: Villanova Univ. EE Dept.
Lines: 15

Many, many, UNIX machines have an X/YMODEM program. Usually they are called rb and sb. Of course if you don't have one for the UNIX machine, don't dispair, XMODEM is very simple to write (YMODEM is a bit more complicated). Almost all Apple programs which allow file transfer use XMODEM protocol (though possibly under the names of MODEM, MODEM2, MODEM7 (with batch file mode), TERM-II FTP 3, or Christensen Protocol). If anyone needs the documentation on the XMODEM protocol I'm sure I could dreg it up without much of a problem.

-thomas williams

UUCP: {psuvax1,pyrnj,cbmvax}!vu-vlsi!williams

From 691953966137278913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,758cd0670112f905,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-04 11:23:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!ucbvax!ucbcad!nike!sri-spam!sri-unix!hplabs!sdcrdcf!burdvax!
psuvax1!vu-vlsi!williams
From: williams@vu-vlsi.UUCP (Thomas Williams)

Newsgroups: net.micro.apple
Subject: Apple <-> Unix.
Message-ID: <374@vu-vlsi.UUCP>
Date: Sat, 4-Oct-86 14:23:23 EDT
Article-I.D.: vu-vlsi.374
Posted: Sat Oct 4 14:23:23 1986
Date-Received: Mon, 6-Oct-86 17:33:45 EDT
Distribution: na
Organization: Villanova Univ. EE Dept.
Lines: 9
Keywords: xmodem

It seems that "rb" and "sb" are public-domain [Someone please correct me if I'm wrong]. I'm sure both these and "xm" (just xmodem) have been posted to the net recently. But if anyone's missed them and really needs the source we could arrange a non-USENET transfer.

-thomas williams

UUCP: {psuvax1,pyrnj,cbmvax}!vu-vlsi!williams

From -2283568826440089249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6361ac62c4766079,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-05 12:09:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!clyde!cbatt!ihnp4!inuxc!pur-ee!j.cc.purdue.edu!k.cc.purdue.edu!ag0
From: ag0@k.cc.purdue.edu (Colin Jenkins)
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <1527@k.cc.purdue.edu>
Date: Sun, 5-Oct-86 15:09:57 EDT
Article-I.D.: k.1527
Posted: Sun Oct 5 15:09:57 1986
Date-Received: Tue, 7-Oct-86 20:56:45 EDT
References: <673@sphinx.UChicago.UUCP>
Organization: Purdue University Computing Center
Lines: 30
Keywords: //gs, c128vs//e speed
Summary: Speed is not always completely indicated by clock speed

In article <673@sphinx.UChicago.UUCP>, kus3@sphinx.UChicago.UUCP (robert kusumoto) writes:
> //e: the fastest accelerator cards I've ever seen for a //e goes around 3.5-3.6
> Mhz which is a bit slower than the 4.77Mhz in the base IBM PC and much slower
> than most IBM PC compats that run anywhere from 6 to 12 Mhz now.
>
> thats all for now
>

> Bob

According the manuals supplied with my Apple //e, the clock speed in the 6502 corresponds roughly to twice that speed in other microprocessors, i.e. a 6502 running at 3.5 Mhz is roughly equivilent to 7Mhz. This speed difference (as best as I can recall) is attributed to simpler cpu architecture.

Enough of that. I have also read InCider's review of the //gs. I am a little dissapointed with the resolution (200 vertical in any mode except //e emulation) and the clock speed. Still it is a step up from the old 8 bit tech-nolgy and I would love to have it in my //e. I haven't seen any consistent or detailed information about upgrades. If anyone has the information I would love to hear it. If I understand correctly I would need a new mother board in my //e. An important question here is just how compatible would such an up-grade be with both the old //e's and the new //gs?

Another big dissapointment to me is the mouse/graphics operating system interface to the //gs. Frankly, I hate mice. A Mouse has its place for some applications, but as a primary input device- forget it!! My next question is: Can the operating system take commands from the keyboard, or are we bound to mice until some third party markets an alternative??

Colin Jenkins (No fancy address!)

From -1565576866467147476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-05 13:46:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: InCider's comments on the new //GS
Message-ID: <4204@reed.UUCP>
Date: Sun, 5-Oct-86 16:46:16 EDT
Article-I.D.: reed.4204
Posted: Sun Oct 5 16:46:16 1986
Date-Received: Tue, 7-Oct-86 20:59:55 EDT
References: <4158@reed.UUCP> <7641B5U@PSUVMB>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 47

In article <7641B5U@PSUVMB> B5U@PSUVMB.BITNET writes:
>
> Well, if you don't like the Mac, go on net.micro.mac and say so. It is
> only the most powerful micro on the market. And if you don't like the
> //GS, find someone who is selling their //e to get the //gs. No one is
> forcing you to use the computer you don't like.

Well, I expected it, and I got it. I suppose I spoke before I quite had

my thoughts in order. Why bother going over to net.micro.mac? They all love the mac, and I'd get hundreds and hundreds of dollars worth of hate mail...

I plan to buy a //GS. I never really said I hated the //GS.

> [Misc stuff about //e->//GS expansion]
>
> I think Apple has made a great move in maintaining the // series, and the
> //GS is just another step in the ongoing process. Now, if my roommate can
> afford the expansion....a //GS would complement my Mac Plus nicely.

I, too, think Apple should be congratulated on their efforts. I can also see how a //GS could compliment a Mac+.

> Oh, by the way, I love the Mac, as it is much more powerful than most other
> micros, and the graphics you seem to detest I think help the ease of use.
> However, everyone is entitled to their own opinion...

Yes, I have my opinions... First you say the Mac is the most powerful, now you say it's one of the most powerful. I don't want to get nit-picky, but do you call a MicroVax a micro? Never mind.

What I don't like about the //GS is the direction Apple is pushing it. I think that there are many uses for the mouse. Sometimes even in wordprocessing :-). I love graphics! I really do! But why on earth do you want graphics when you're using a terminal emulator on a machine like the vax I'm on, and not using ANY graphics what so ever? It just slows things down. What I hate about the mac is the user interface (What! Did he really SAY that!!!! Gasp!). Frankly, it sucks. before I say something like "You can take your menu bar and. . ." I think I better go.

> George A. Brownfield
> UUCP: {akgua,allegra,cbosgd,ihnp4}!psuvax1!psuvmb.bitnet!b5u

Sean Kamath

UUCP : . . .!tektronix!reed!kamath

From -5071480747302219589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 06:27:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!darrelj
From: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <3058@sdcrdcf.UUCP>
Date: Mon, 6-Oct-86 09:27:16 EDT

Article-I.D.: sdcrdcf.3058
Posted: Mon Oct 6 09:27:16 1986
Date-Received: Wed, 8-Oct-86 00:49:33 EDT
References: <673@sphinx.UChicago.UUCP>
Reply-To: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Organization: System Development Corporation R&D, Santa Monica
Lines: 16
Keywords: //gs, c128vs//e speed

You have to be very careful in comparing clock speed between dissimilar
processors. Clock speed is sort of like engine RPM (for example, the old
8080 had a 2 MHz clock, but shortest instruction was 4 clocks; early 6502s
as in Apple][had a 1 MHz clock, but shortest instruction was 1 clock;
Motorola 68000 timings are all measured in units of TWO clock cycles) -- it
isn't a measure of horsepower between dissimilar designs.

--
Darrel J. Van Buer, PhD
System Development Corp.
2525 Colorado Ave
Santa Monica, CA 90406
(213)820-4111 x5449
...{allegra,burdvax,cbosgd,hplabs,ihnp4,orstcs,sdcsvax,ucla-cs,akgua}
                                                                !sdcrdcf!darrelj
VANBUER@USC-ECL.ARPA

From 5604508739293477470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4bc5fac9544f7c7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 12:00:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!clyde!cuae2!ltuxa!we53!wucs!
wuphys!lel
From: lel@wuphys.UUCP
Newsgroups: net.micro.apple
Subject: Re: stuff in general
Message-ID: <431@wuphys.UUCP>
Date: Mon, 6-Oct-86 15:00:53 EDT
Article-I.D.: wuphys.431
Posted: Mon Oct 6 15:00:53 1986
Date-Received: Thu, 9-Oct-86 02:30:16 EDT
References: <673@sphinx.UChicago.UUCP>
Reply-To: lel@wuphys.UUCP (Lyle E. Levine)
Organization: Physics Dept., Washington U. in St. Louis
Lines: 54
Keywords: //gs, c128vs//e speed

In article <673@sphinx.UChicago.UUCP> kus3@sphinx.UUCP (Bob Kusumoto) writes:
>on the //gs: personally, I rather have this that the amiga because of the
>price of the //gs compared to the amiga (I don't remember the current prices of
>the amiga but for a complete system of the //gs is running around $1600 for

>the base cpu, monitor, keyboard, mouse and 1 or more drives (3.25 or 5.5,
>can't remember) and I can live with that better than what the amiga has to
>offer me. I don't remember about drive access time, but if the mac emulation
>mode for the amiga has access times just as slow, i'll take the //gs anyday.

I don't normally post corrections but this time I just have to.

Price of an Amiga System:

Amiga computer, 640x400 Analogue RGB monitor,
512K mem, internal and external 880K microfloppy drives,
(88 key keyboard and mouse come with the cpu)

- $1395

As adveritized in Amiga World (October issue).

The computer has no Mac emulation mode but has essentially the same user interface with a command language as well. It has a 7+ MHz 32/16 bit 68000 processor with 3 coprocessor chips to handle DMA, graphics, and sound. The sound on the //GS beats the Amiga but you can't have everything. Oh yes, in version 1.2 of the operating system, the drive access times and read/write times are quite a bit faster than on the Mac. This will be out very soon. For a computations comparison, (perhaps unfair) I can run a life program on the Amiga that does 19.8 generations/second on 388x188 pixels. This makes use of one of the Amiga's special coprocessor chips. The Mac can't even come close. In addition, the Amiga is FULLY multitasking.

Oh yes, Apple did a great job when it made the Apple II expandable. Why did they forget this when they made the Mac? I'm VERY glad to see that the new //GS is also expandable.

Another thing the //GS has over the Amiga is that for expanding the amiga much more, you need a card cage. Also, the Amiga can only directly address 8 1/2 Meg. (Not a severe restriction)

If I have offended anyone, I'm sorry. Please direct any complaints to "VOID complaints();".

If anyone has any real questions, please feel free to e-mail me.

From a user of Apple II's, Mac's and Amiga's,
- Lyle Levine

Paths -> ihnp4!wuphys!lel
seismo!wucs!wuphys!lel

P.S. I still think the Apple II is a great machine.

From 3719926668542142488

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 12:03:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!
burdvax!bpa!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: C128 vs Apple //e
Message-ID: <842@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 6-Oct-86 15:03:24 EDT
Article-I.D.: cbmvax.842
Posted: Mon Oct 6 15:03:24 1986
Date-Received: Wed, 8-Oct-86 01:03:41 EDT
References: <2084@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 40

>
>> I'm from a Commodore - 128 kind of scene I ran a program on both the
>> apple //e and a C-128...
>>
>> 10 fort=1 to 500
>> 20 a=3.14159
>> 30 b=sqr(val(str$(a*a)))
>> 40 nextt
>> 50 end
>>
>> and the C-128 in the 80-col mode is almost 2x as fast
>> by the way, the values of 'b' were almost identacle
>> acually, the C-128 is almost (within 20%) as fast as
>> an IBM PC.
>
> That makes sense because the C128 runs at 2mhz compared to 1 mhz standard for
> the apple //. Drop in an accelerator however and the Apple runs twice as fast
> as an IBM or the c128.

Can you get a 4.08 MHz accelerator for the Apple (which is what you'd need
for twice the speed of the C128)? Last I heard no one's delivering 6502s in
production quantity that are speced to run above 3MHz.

> The benchmark you list is not totally hardware dependent. The quality and
> type of Basic will make a difference too.

Exactly. The C128 vs. Apple comparison is very valid. You'll have to use
Applesoft BASIC (floating point). This and the C128 BASIC both use the
old Microsoft floating point routines; the operations involved will be just
about identical. If the BASIC on the PC is Microsoft than the comparison
is very valid; if you're using BASICA on the PC, its not, for the BASICA
interpreter uses 7 digit floats verses the Microsoft 11 digit floats.

> Rick

--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -2148399082202235321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f4f20e94451ef5c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 12:20:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!
burdvax!bpa!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Apple //gs
Message-ID: <843@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 6-Oct-86 15:20:50 EDT
Article-I.D.: cbmvax.843
Posted: Mon Oct 6 15:20:50 1986
Date-Received: Wed, 8-Oct-86 01:03:56 EDT
References: <2073@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 49

>
> The speed is a little disappointing (2.8 mhz) considering that 4 and 6
> mhz versions of the 65816 are available.

Nope. GTE has just recently started making production quantities of the
4MHz part available, which is undoubtedly what Apple is using. You might
be able to hand pick a few that'd run at 6MHz, if you had enough 4MHz parts,
but there's no production parts near that speed.

> One thing I noticed about the motherboard was that the graphics chip was
> one of the few socketed chips on the board, looks like Apple is planning
> for future expansion in the graphics area.

A more common reason for socketing a chip is some kind of trouble with
that chip that would require production line or field replacement.

> Deluxe Paint from Electronic Arts will be available soon for the machine,
> with all of the features of the Amiga version plus the ability to do 3-D
> drawings and rotations. If the 3-D object manipulations are built into
> the graphics chip, it will have some powerful capabilities.

See this month's BYTE for details on the display chip. No 3-D stuff. The
version of DPaint will be like that on the Amiga, but of course only permit
16 colors in lo-res, 4 colors in med-res, and no hi-res mode. It could have
some 3-D stuff; the next revision of DPaint for the Amiga is rumored to have

some of this capability.

> File formats for the //gs are standardized so that any software can
> use another's images.

Is this an Apple standard, or DPaint. They could be using the IFF standard developed by EA and Commodore-Amiga; this would let the IIGS DPaint display most Amiga images, and vias-versa.

> Anybody else have anthing to add or corrections?

The rest looked pretty good. The sound chip should be very good; its currently in a production Ensoniq keyboard-synthesizer.

> Rick Fincher
>
> ranger@ecsvax
> Rick@ncsuvm
--
==========
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 2186054515206505249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 12:28:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!
burdvax!bpa!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: InCider's comments on the new //GS
Message-ID: <844@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 6-Oct-86 15:28:02 EDT
Article-I.D.: cbmvax.844
Posted: Mon Oct 6 15:28:02 1986
Date-Received: Wed, 8-Oct-86 01:04:09 EDT
References: <2092@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 31

>> One thing positive that I can say is that the 65816 is a pretty
>> neat CPU. I'd like to get my hands on a //GS to dhrystone it.
>> From what I've read, the claims are that the 3 MHz65816 can beat an 8
>> MHz 68K chip. Also WDC promised a 65832 that fits the same socket
>> by 1987.
>
> Yes this chip really screams, it's close to being a RISC (Reduced

> Instruction Set Machine) technology chip. It's interesting how the
> hardware world has come full circle and the 65xxx family is still
> viable.

The '816 isn't that fast, and its hardly RISC. One of the basic RISC
philosophies is to have a single set of instructions that read and write
memory, while everything else is a register-to-register instruction.
This lets things happen inside, very quickly. This also requires a large
number of registers (the Berkely RISC has near 200, as I recall). The
'816 still has just on general purpose register, and lets nearly every
instruction access memory. And it has to access memory 8 bits at a time,
while the 68000 can touch 16 at a time. The '816 is also missing more
sophisticated instructions, like multiplies. Its certainly an advance
over the 6502, but it compares much more closely to the 8088.

> Rick Fincher
>
> Ranger@ecsvax
--
==
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From 3520090977982430021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 12:54:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!rutgers!sri-spam!sri-unix!hplabs!sdcrdcf!
burdvax!bpa!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: Re: InCider's comments on the new //GS
Message-ID: <845@cbmvax.cbmvax.cbm.UUCP>
Date: Mon, 6-Oct-86 15:54:54 EDT
Article-I.D.: cbmvax.845
Posted: Mon Oct 6 15:54:54 1986
Date-Received: Wed, 8-Oct-86 01:04:22 EDT
References: <2093@ecsvax.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 50

>
> True but all of the 65816's instructions are 8 bits long and research
> has shown that the vast majority of tasks involve 8 bit to 16 bit quantities.

Huh? What's your point. Instructions on the '816 are all 8 bits long,
many of the 68000 instructions are 16 bits long. These load in the same
time. But your 8/16 bit argument pertains to data, not instructions.

The 68000 is just as happy with 8 bit quantities as 16 bits.

> A 6mhz 65816 would give the 68000 a run for its money. The 8 bit data bus
> is a limitation but the '816 load 32 bits in 4 clock cycles, about the
> same as the 68000.

(1) 6MHz 65816 doesn't exist. (2) A 16.6 MHz 68000 kills any '816
permutation; a 20 MHz 68020 (software compatible with the 68000) beats
VAXen at most benchmarks, and they're available TODAY. (3) The only
time an '816 can load 4 bytes in 4 cycles is responding to or returning
from an interrupt, not including an instruction fetch for the returns.
A normal LDA or STA will read or write two bytes in 5 cycles. Compare
this to the 68000 move multiple instruction.

> The 68000 design team didn't include 32 mult because they found that it was
> faster in software, this is stated in "The MC68000 design Philosophy"
> printed in Byte in '83 (I think). The Motorola boys compared their
> 32 bit software mult to the Z8000 hardware mult ...

The problem is ALUs. The 68000 has three 16 bit ALUs which would make a
built-in 32 bit multiply inefficient. A 68020 does it just fine. Where's
the '816s 8 bit multiply, then?

>> ... So I wouldn't be waiting on the edge of my seat for a 32 bit version.

> Sure the 816 took awhile, WDC didn't have Mot's big bucks, but with the
> good sales of the 65C02 and the '816 they have some cash to work with
> and an accepted product.

WDC is too far behind. They may do well in the future 8-bit market, but
mainly since no one else is still designing 8 bitters. But they're not
going to do well against the 16 and 32 bit machines, because there already
exist.

> Rick Fincher
>
> Ranger@ecsvax
--
==========
Dave Haynie   {caip,ihnp4,allegra,seismo}!cbmvax!daveh

     These opinions are my own, though if you try them out, and decide
     that you really like them, a small donation would be appreciated.

From -3520439163249908215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c524596108f6833
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-10-06 13:48:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!rutgers!caip!brl-adm!brl-smoke!abc
From: abc@brl-smoke.ARPA (Brint Cooper)

Newsgroups: net.micro.apple
Subject: Re: EDUCATIONAL SOFTWARE FOR APPLE NEEDED
Message-ID: <4387@brl-smoke.ARPA>
Date: Mon, 6-Oct-86 16:48:03 EDT
Article-I.D.: brl-smok.4387
Posted: Mon Oct 6 16:48:03 1986
Date-Received: Tue, 7-Oct-86 23:54:44 EDT
References: <413@tekgen.UUCP>
Distribution: world
Organization: Ballistic Research Lab (BRL), APG, MD.
Lines: 27
Summary: Sources of educational software for Apple

It isn't free, but it's cheap. Contact:

     The Big Red Apple Club
     1105 S. 13th St, #103
     Norfolk, NE 68701

My wife teaches Grade Four in our public schools and has found this a
useful source of public domain software available for distribution fees.

Also contact the

     Minnesota Educational Computer Consortium

I can't find the address for them. She must have taken the disks to
school with her. The school system joined MECC for a set fee. Software
is then available for distribution costs. If you can't get the address
for MECC, write me again.

Also, write me if you need something specific.

--
Brint Cooper

      ARPA: abc@brl.arpa
      UUCP: ...{seismo,unc,decvax,cbosgd}!brl-smoke!abc

From -4125022247878328550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49c6f64dfd4ee667,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-04 08:48:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: To those who requested Apple Kermit & one who has it...
Message-ID: <5675@topaz.RUTGERS.EDU>

Date: Thu, 4-Sep-86 11:48:11 EDT
Article-I.D.: topaz.5675
Posted: Thu Sep 4 11:48:11 1986
Date-Received: Thu, 4-Sep-86 21:37:17 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7
Keywords: Help

I am presently overflooded with kermit requests. If the one who said
they had a PRODos version & a working Dos3.3 verion contact me again
or send me a disk with both on it, I will be ready to distribute
(the version I recieved was no good).
                  John Langbein
                  (topaz!langbein)

From -7585220132156007654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1cd00ea0f6590213,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10cb58,1cd00ea0f6590213,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 15517a,1cd00ea0f6590213,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15f443,1cd00ea0f6590213,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-09-04 11:21:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ll-xn!adelie!axiom!gts
From: gts@axiom.UUCP (Guy Schafer)
Newsgroups: na.forsale,net.wanted,net.micro.apple,net.micro.pc
Subject: Looking to trade Apple software for IBM software.
Message-ID: <313@axiom.UUCP>
Date: Thu, 4-Sep-86 14:21:59 EDT
Article-I.D.: axiom.313
Posted: Thu Sep 4 14:21:59 1986
Date-Received: Fri, 5-Sep-86 04:41:40 EDT
Distribution: na
Organization: Axiom Technology, Newton MA
Lines: 20
Keywords: IIe for XT w/EGA
Xref: mnetor na.forsale:682 net.wanted:3802 net.micro.apple:1346 net.micro.pc:6393

I decided to replace my long ago stolen Apple IIe with an IBM-XT
compatible. Thus I have some software I'm looking to trade (or sell):

"Time is Money" Home Accounting by Turning Point Software (Org.Cost:$99.)
"Wizardry I" and "Wizardry II" by Sir-Tech (Have maps of I if desired)
"SkyFox" GREAT Jet Fighter Game by Electronic Arts (Joystick req.)
"Seven Cities of Gold" 'New' World Exploration by Electronic Arts (Joystick)

Also, I have Owner's and Ref. Manuals for the IIe, Apple Disk Drives, 80-col

card, ProDOS, etc. And I have a book titled _Applied Apple Graphics_.

I'm especially interested in trading for entertainment software. My XT has
an 8088-2, DSDD (360K) drives, 1M mem, an IBM EGA, and a game port.
I *will* accept non-original disks (I will assume that they are legal copies)
as long as there is sufficient documentation.
Make me an offer on anything you're interested in via e-mail:

     >< ...{ decvax!linus | seismo!harvard }!axiom!gts

     "Gilt are the chains of god."

From -269606771482379913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49c6f64dfd4ee667
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-04 15:11:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Re: To those who requested Apple Kermit & one who has it...
Message-ID: <3115@mit-eddie.MIT.EDU>
Date: Thu, 4-Sep-86 18:11:07 EDT
Article-I.D.: mit-eddi.3115
Posted: Thu Sep 4 18:11:07 1986
Date-Received: Thu, 4-Sep-86 22:52:50 EDT
Organization: M.I.T. EE/CS Computer Facility, Cambridge MA
Lines: 18
Keywords: Apple Kermit
Summary: I have Apple Kermit DOS 3.3 & ProDOS

> I am presently overflooded with kermit requests. If the one who said
> they had a PRODos version & a working Dos3.3 verion contact me again
> or send me a disk with both on it, I will be ready to distribute
> (the version I recieved was no good).
>   John Langbein
>   (topaz!langbein)

   I think I'm the one you're referring to. I'm not sure whether or
not the source is included, but I do have working copies of both
the DOS 3.3 and ProDOS versions (versions 3.59 and 3.58 of CU/Stevens
Kermit). Give me a US Snail address and I'd be glad to send you
both Kermits.

Andrew Moore
arpa MOORE%MIT-EECS@MIT-MC.ARPA
uucp ...mit-eddie!moore
 tel 617/479-9208, BBS Sat-Sun 300/1200
  us Box 121, North Quincy, MA 02171

From 4384775525104622310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,844256ebd1c91269
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 15e263,844256ebd1c91269
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,844256ebd1c91269
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,844256ebd1c91269
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1986-09-05 06:54:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.lang.c,net.micro.apple,net.micro.cbm,net.micro.cpm
Subject: Re: C compilers for 8 bit machines
Message-ID: <2004@ecsvax.UUCP>
Date: Fri, 5-Sep-86 09:54:03 EDT
Article-I.D.: ecsvax.2004
Posted: Fri Sep 5 09:54:03 1986
Date-Received: Sat, 6-Sep-86 20:19:43 EDT
References: <2503@cbosgd.UUCP>
Distribution: na
Organization: UNC Educational Computing Service
Lines: 28
Xref: mnetor net.lang.c:5800 net.micro.apple:1353 net.micro.cbm:1263
net.micro.cpm:2331

> I would appreciate any references to C compilers for popular 8 bit
> machines, such as the Apple II, Commodore 64, Atari 800, and CP/M machines.
> I'd prefer products, but public domain offerings are OK too, especially
> if a source can be given.

Aztec C runs on the Apple, CP/M systems and the C64. Its different
versions seem to be very compatible at the source code level and a
Unix-style user interface makes the various versions very similar in
operation.

>
> This info is for a book about C portability, so you probably don't want
> to offer to send a copy of Tiny C personally. Also, any comments about
> the compiler you mention (if you like it, what it's limits are, etc)
> would be appreciated.
>
The Aztec compiler for the Apple has very slow screen handling because
it uses a console driver that emulates a terminal. Terminal screen
control codes are decoded into control codes for the particular hardware
being used. This is great for portability but is very slow.
The other gripe I have with Aztec C on the Apple concerns float and d
double data types. The Aztec systems comes with two compilers, one
that compiles into compact pseudo code (nice for 8 bit machines) and
one that compiles into fast but long native code. The problem is that the fast

the fast native code compiler does not support float or double. This
makes operations using these types fairly slow. Fortunately, the
linker that comes with the system will link modules compiled with either
compiler, so you are not forced to compile everything in pseudo code.

From 8110743383150294416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d9786d38bf4eec3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-05 07:07:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Assemblers
Message-ID: <2005@ecsvax.UUCP>
Date: Fri, 5-Sep-86 10:07:21 EDT
Article-I.D.: ecsvax.2005
Posted: Fri Sep 5 10:07:21 1986
Date-Received: Sat, 6-Sep-86 20:20:02 EDT
References: <2082@mtgzz.UUCP>
Organization: UNC Educational Computing Service
Lines: 14

> I have recently bought an enhanced Apple //e. Looking through the literature
> on the //e, many assemblers are mentioned. I am interested in the pros and
> cons on the ProDOS based assemblers for the //e. Thanks.

I personnaly like the ORCA/M assembler from the ByteWorks (Used to be
marketed by Hayden). Prodos ORCA/M was used to define the syntax of
the 65816 processor to be used in the new Apple. It will assemble
6502, 65C02 and 651816 code. It has an extensive library of subroutines
for everything from keyboard input and Prodos calls to double hires
graphics. You can also get a floating point math package as a separate
library. With all of the prewritten subroutines included in this
assembler, its almost like programming in a high level language.

Rick Fincher

From -7054314524828988269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cef6866e50dd7e7f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,cef6866e50dd7e7f,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-09-05 10:22:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!ulysses!jld
From: jld@ulysses.UUCP (Jeff David)
Newsgroups: net.micro.pc,net.micro.apple

Subject: Apple/IBM PC hookup
Message-ID: <1380@ulysses.UUCP>
Date: Fri, 5-Sep-86 13:22:54 EDT
Article-I.D.: ulysses.1380
Posted: Fri Sep 5 13:22:54 1986
Date-Received: Fri, 5-Sep-86 23:00:04 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 10
Xref: mnetor net.micro.pc:6405 net.micro.apple:1349

I have a Leading Edge Model D (IBM Compatible) and an old Apple II+ sitting
next to each other. Each has a modem attached. I would like to hook these
two together so that (at a minimum) I could move ASCII files between the
two. It would also be nice if I could get one to act like a terminal off
the other (as host). How do I go about doing this? Do I have to use the
modems or can I use the serial interfaces? I don't want to have to write
any assembler code. Has anybody tried to do this? Is there an easy solution?
Thanks in advance for any help.

                              Jeff David

From 2169806938795651997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-05 12:35:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!renoir.Berkeley.EDU!samples
From: samples@renoir.Berkeley.EDU (A. Dain Samples)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <15569@ucbvax.BERKELEY.EDU>
Date: Fri, 5-Sep-86 15:35:22 EDT
Article-I.D.: ucbvax.15569
Posted: Fri Sep 5 15:35:22 1986
Date-Received: Fri, 5-Sep-86 23:00:31 EDT
References: <150@endot.UUCP> <1937@ecsvax.UUCP>
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: samples@renoir.Berkeley.EDU.UUCP (A. Dain Samples)
Organization: University of California, Berkeley
Lines: 17
Keywords: softerm

I use Softerm II and find it to be one of the better products I use on
my Apple //e: reliable, acceptably fast, ...

    **** WITH ONE MAJOR EXCEPTION! ***

and that is the *&&*$%^@^% card taking up a slot.

I am slot starved!

Does any one know of any patches/versions/whatevers that can let me
run this otherwise acceptable piece of software without the buttons?
E.g., replacing s1 and s2 with open-apple and closed-apple?
(But what about s3? I don't use it, do you?)

Dain
A. Dain Samples, 573 Evans, UC Berkeley, samples@kim.berkeley.edu
``The harder I work, the luckier I get.'' Mark Twain

From 778891861530358801
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aaa7e7c9b5604c5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-05 15:22:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!clyde!cbatt!cbosgd!nitrex!msh
From: msh@nitrex.UUCP (Mark S. Holtman)
Newsgroups: net.micro.apple
Subject: Access to a clock from BASIC
Message-ID: <383@nitrex.UUCP>
Date: Fri, 5-Sep-86 18:22:00 EDT
Article-I.D.: nitrex.383
Posted: Fri Sep 5 18:22:00 1986
Date-Received: Sat, 6-Sep-86 02:08:41 EDT
Reply-To: msh@nitrex.UUCP (Mark S. Holtman)
Distribution: na
Organization: The Standard Oil Co., Cleveland
Lines: 8

I need to be able to access a clock from within a basic program running on
an Apple IIe. I can find no way to do this using the Apple Manuals I have
access to. Is there a way to do this comparable to the TIMER function that
exists in IBM BASICA? Please respond by mail.

Thanks.

From -6576162249886955067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,957bea1c0707860,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11beb3,957bea1c0707860,start
X-Google-Attributes: gid11beb3,public
X-Google-ArrivalTime: 1986-09-05 17:53:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!uwvax!husc6!bu-cs!budd
From: budd@bu-cs.BU.EDU (Philip Budne)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Request: FORTH (or basic compiler) for Apple IIe

Message-ID: <1165@bu-cs.bu-cs.BU.EDU>
Date: Fri, 5-Sep-86 20:53:48 EDT
Article-I.D.: bu-cs.1165
Posted: Fri Sep 5 20:53:48 1986
Date-Received: Fri, 5-Sep-86 23:58:41 EDT
Organization: Boston U. Comp. Sci.
Lines: 9
Keywords: apple II forth
Xref: mnetor net.lang.forth:287 net.micro.apple:1351

I have a friend doing experiment control / data acquisition with an
apple II but finds basic too slow (big surprise).

What are some forths for the apple and their pros/cons/prices.
Or alternatively a compiler for basic.

     Thanks
          Phil Budne
          Boston University / Distributed Systems

From 479563124223938233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,957bea1c0707860
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,957bea1c0707860
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-05 19:25:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!ucla-cs!topaz!husc6!bu-cs!budd
From: budd@bu-cs.BU.EDU (Philip Budne)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Request: FORTH (or basic compiler) for Apple IIe
Message-ID: <1261@curly.ucla-cs.ARPA>
Date: Fri, 5-Sep-86 22:25:27 EDT
Article-I.D.: curly.1261
Posted: Fri Sep 5 22:25:27 1986
Date-Received: Sun, 7-Sep-86 04:49:36 EDT
Organization: Boston U. Comp. Sci.
Lines: 9
Keywords: apple II forth
Xref: watmath net.lang.forth:487 net.micro.apple:3058

I have a friend doing experiment control / data acquisition with an
apple II but finds basic too slow (big surprise).

What are some forths for the apple and their pros/cons/prices.
Or alternatively a compiler for basic.

     Thanks
          Phil Budne
          Boston University / Distributed Systems

From -2828590919378404979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49c6f64dfd4ee667
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-05 23:43:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!noscvax!cod!medin
From: medin@cod.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Re: To those who requested Apple Kermit & one who has it...
Message-ID: <115@cod.UUCP>
Date: Sat, 6-Sep-86 02:43:40 EDT
Article-I.D.: cod.115
Posted: Sat Sep 6 02:43:40 1986
Date-Received: Sat, 6-Sep-86 20:47:52 EDT
References: <5675@topaz.RUTGERS.EDU>
Reply-To: medin@cod.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 12
Keywords: Help

In article <5675@topaz.RUTGERS.EDU> langbein@topaz.RUTGERS.EDU (John E. Langbein)
writes:
>
>I am presently overflooded with kermit requests. If the one who said
>they had a PRODos version & a working Dos3.3 verion contact me again
>or send me a disk with both on it,
 We have a version 3.66 runs dos or prodos. If you can ftp signon to
shark as anonymous then:
 cd ker*mit.   - dont forget the .
 get readme

 And you should be able to get what you want after reading readme. I
can mail you a copy John of the executable only fairly easily.

From 7476241310672930692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f11489102e6c8c57
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-07 15:12:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!lanl!unm-la!unmvax!unmc!cs2631al
From: cs2631al@unmc.UUCP (Stefan the Almighty)
Newsgroups: net.micro.apple
Subject: Re: DAK modem query
Message-ID: <390@unmc.UUCP>
Date: Sun, 7-Sep-86 18:12:43 EDT
Article-I.D.: unmc.390
Posted: Sun Sep 7 18:12:43 1986
Date-Received: Fri, 12-Sep-86 07:01:36 EDT
References: <359@PSUECL>

Reply-To: cs2631al@unma.UUCP (Stefan Chakerian)
Organization: University Of New Mexico Computing Center, Albuquerque, NM
Lines: 19

In article <359@PSUECL> gsg@psuecl.BITNET writes:
>
>I Own a DAK ADC Smart Duck modem, purchased last February. I really like
>it. It does just as the ads says. I use it with an Apple //e with a
>Super Serial card. I have had no problems. The terminal program I use is

~~~

A friend of mine in New York state bought one, too. He had a problem with
the power supply. Well, when he sent it back, they decided to replace the
whole board. He wanted to know why they didn't just replace the power supply,
but didn't really get an answer. So now he is waiting for the board to be
ordered from Japan! I talked to him a week ago, and he had been waiting for
about 2 months. This is all second-hand, of course, but I believe it is true.

Oh yeah, he said it was a good modem, but he just was having trouble getting
it serviced.

Stefan Chakerian

From -1858088030170912120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,cef6866e50dd7e7f
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,cef6866e50dd7e7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-07 21:32:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!decwrl!pyramid!
hplabs!hp-sdd!ncr-sd!sdcsvax!noscvax!cod!medin
From: medin@cod.UUCP
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Apple/IBM PC hookup
Message-ID: <116@cod.UUCP>
Date: Mon, 8-Sep-86 00:32:21 EDT
Article-I.D.: cod.116
Posted: Mon Sep 8 00:32:21 1986
Date-Received: Tue, 9-Sep-86 20:36:09 EDT
References: <1380@ulysses.UUCP>
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 16
Xref: mnetor net.micro.pc:6449 net.micro.apple:1365

In article <1380@ulysses.UUCP> jld@ulysses.UUCP (Jeff David) writes:
>I have a Leading Edge Model D (IBM Compatible) and an old Apple II+ sitting
>next to each other. Each has a modem attached. I would like to hook these
~~~

>two together so that (at a minimum) I could move ASCII files between the
>two. It would also be nice if I could get one to act like a terminal off
>the other (as host). How do I go about doing this? Do I have to use the
>modems or can I use the serial interfaces? I don't want to have to write
>any assembler code. Has anybody tried to do this? Is there an easy solution?
>Thanks in advance for any help.
>

 Run kermit on both machines and tie the two modums together. Most serial
cards can be used with direct connection. On an apple super serial card
turn the jumper block to terminal and the connection will work as if you
had a phone line going. I have connected a kaypro and franklin(apple ii+)
together and ran them at 19200 baud. Boy does the data fly.

From 3452235362216426685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-08 06:57:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <2015@ecsvax.UUCP>
Date: Mon, 8-Sep-86 09:57:57 EDT
Article-I.D.: ecsvax.2015
Posted: Mon Sep 8 09:57:57 1986
Date-Received: Tue, 9-Sep-86 06:04:43 EDT
References: <150@endot.UUCP> <1937@ecsvax.UUCP> <15569@ucbvax.BERKELEY.EDU>
Organization: UNC Educational Computing Service
Lines: 23

> I use Softerm II and find it to be one of the better products I use on
> my Apple //e: reliable, acceptably fast, ...
>
>   **** WITH ONE MAJOR EXCEPTION! ***
>
> and that is the *&&*$%^@^% card taking up a slot.
>
> I am slot starved!
>
> Does any one know of any patches/versions/whatevers that can let me
> run this otherwise acceptable piece of software without the buttons?
> E.g., replacing s1 and s2 with open-apple and closed-apple?
> (But what about s3? I don't use it, do you?)
>

Yes! Upgrade to the IIe/IIc version. It no longer uses a slot card.
The new version has a 3 button keypad thhat plugs in the 9-pin joystick
port. Open Apple and closed Apple can be used for S1 and S2, I use
keyboard redefinition to map the S3 commands into other things. You

also get a larger text buffer because 128K is used (in fact I think
you have to have 128K to use this version).

Rick Fincher

From -192380325752748776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cef6866e50dd7e7f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,cef6866e50dd7e7f
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-09-08 07:23:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Apple/IBM PC hookup
Message-ID: <2017@ecsvax.UUCP>
Date: Mon, 8-Sep-86 10:23:51 EDT
Article-I.D.: ecsvax.2017
Posted: Mon Sep 8 10:23:51 1986
Date-Received: Tue, 9-Sep-86 06:04:56 EDT
References: <1380@ulysses.UUCP>
Distribution: net
Organization: UNC Educational Computing Service
Lines: 20
Xref: mnetor net.micro.pc:6444 net.micro.apple:1362

> I have a Leading Edge Model D (IBM Compatible) and an old Apple II+ sitting
> next to each other. Each has a modem attached. I would like to hook these
> two together so that (at a minimum) I could move ASCII files between the
> two. It would also be nice if I could get one to act like a terminal off
> the other (as host). How do I go about doing this? Do I have to use the
> modems or can I use the serial interfaces? I don't want to have to write
> any assembler code. Has anybody tried to do this? Is there an easy solution?
> Thanks in advance for any help.
>
>   Jeff David

Yes, Get a null modem cable or adapter and connect the two serial
ports together. With communications software you can then transfer
files at up to 9600 baud. You can Also use the IBM clone as a terminal
for the Apple under Apple Pascal if your serial card is in slot 3. If
you have a multitasking operating system you could use the II+ as a term
terminal for the PC clone so that 2 users could work at once but the
II+ keyboard is very limited.

Rick Fincher

From -4755593830559091680
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 11beb3,957bea1c0707860
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,957bea1c0707860
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-08 09:42:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!cbmvax!bpa!burdvax!sdcrdcf!usc-oberon!
smeagol!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x43171 301/167)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Re: Request: FORTH (or basic compiler) for Apple IIe
Message-ID: <826@jplgodo.UUCP>
Date: Mon, 8-Sep-86 12:42:13 EDT
Article-I.D.: jplgodo.826
Posted: Mon Sep 8 12:42:13 1986
Date-Received: Thu, 11-Sep-86 06:02:31 EDT
References: <1165@bu-cs.bu-cs.BU.EDU>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 20
Keywords: apple II forth
Summary: Mountain View Press
Xref: mnetor net.lang.forth:290 net.micro.apple:1373

In article <1165@bu-cs.bu-cs.BU.EDU>, budd@bu-cs.BU.EDU (Philip Budne) writes:
> What are some forths for the apple and their pros/cons/prices.

You can get documentation and/or source code for a Forth 79 implementation
from Mountain View Press. If money is tight, you can buy a listing of
the source and type it in by hand. Alternatively, you can also get the code
on disk. The Mountain View Press code has been released into the public domain
so there are no problems with copying, selling or whatever you want to do.

They advertise regularly in Byte among other places. Prices run in the $20
area.

--

...smeagol\   Steve Schlaifer
......wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....logico/   4800 Oak Grove Drive, M/S 301/165F
                  Pasadena, California, 91109
                       +1 818 354 3171

From 1959348493714320446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,957bea1c0707860
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,957bea1c0707860
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-08 10:00:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!uwvax!husc6!panda!genrad!decvax!tektronix!uw-beaver!
tikal!slovax!jeff
From: jeff@slovax.UUCP (Jeff Loucks)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Re: Request: FORTH (or basic compiler) for Apple IIe
Message-ID: <174@slovax.UUCP>
Date: Mon, 8-Sep-86 13:00:01 EDT
Article-I.D.: slovax.174
Posted: Mon Sep 8 13:00:01 1986
Date-Received: Tue, 9-Sep-86 17:58:23 EDT
References: <1165@bu-cs.bu-cs.BU.EDU>
Organization: R & D Associates., Tacoma, WA
Lines: 32
Xref: mnetor net.lang.forth:289 net.micro.apple:1364

> Keywords: apple II forth
> Xref: slovax net.lang.forth:140 net.micro.apple:652
>
> I have a friend doing experiment control / data acquisition with an
> apple II but finds basic too slow (big surprise).
>
> What are some forths for the apple and their pros/cons/prices.
> Or alternatively a compiler for basic.
>
>   Thanks
>   Phil Budne
>   Boston University / Distributed Systems

   I've gotten good FORTH stuff from:

   Mountain View Press
   PO Box 4656
   Mountain View, CA 94040
   (415) 961-4103

   They've got production compilers (price varies), FIG (FORTH Intereset Group)
   implementations (about $15), along with an assortment of manuals, guides
   and documents.

   A friend of mine has a trick FORTH for Apples including a symbolic (a little
   guy on the screen moving registers and memory pictures) debugger. Respond
   via mail if interested, and I'll get you in touch with him.

   Hope this helps.

==
This should say something brilliant, but it's monday morning. nuf said.

From 8762420418860216063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,957bea1c0707860
X-Google-Attributes: gid11beb3,public

X-Google-Thread: 1622d3,957bea1c0707860
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-08 13:26:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!styx!twg-ap!amdahl!hplabs!tektronix!uw-beaver!tikal!slovax!jeff
From: jeff@slovax.UUCP (Jeff Loucks)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Re: Re: Request: FORTH (or basic compiler) for Apple IIe
Message-ID: <175@slovax.UUCP>
Date: Mon, 8-Sep-86 16:26:21 EDT
Article-I.D.: slovax.175
Posted: Mon Sep 8 16:26:21 1986
Date-Received: Sat, 13-Sep-86 21:09:37 EDT
References: <174@slovax.UUCP>
Organization: R & D Associates., Tacoma, WA
Lines: 48
Xref: mnetor net.lang.forth:292 net.micro.apple:1383

> Xref: slovax net.lang.forth:141 net.micro.apple:658
>
>> Keywords: apple II forth
>> Xref: slovax net.lang.forth:140 net.micro.apple:652
>>
>> I have a friend doing experiment control / data acquisition with an
>> apple II but finds basic too slow (big surprise).
>>
>> What are some forths for the apple and their pros/cons/prices.
>> Or alternatively a compiler for basic.
>>
>> Thanks
>>   Phil Budne
>>   Boston University / Distributed Systems
>
>   I've gotten good FORTH stuff from:
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>   Mountain View Press
>   PO Box 4656
>   Mountain View, CA 94040
>   (415) 961-4103
>
>   They've got production compilers (price varies), FIG (FORTH Intereset Group)
>   implementations (about $15), along with an assortment of manuals, guides
>   and documents.
>
>   A friend of mine has a trick FORTH for Apples including a symbolic (a little
>   guy on the screen moving registers and memory pictures) debugger. Respond
>   via mail if interested, and I'll get you in touch with him.
>
>   Hope this helps.
>
> ==
> This should say something brilliant, but it's monday morning. nuf said.

>

   The brilliant thing I should have said is my address:

   uw-beaver!tikal!slovax!jeff
      -or-
   Jeff Loucks
   c/o RDA
   3625 Perkins Lane, S.W.
   Tacoma, WA 98499
   (206) 581-1322

==========
Something else brilliant should be here, but I won't push my luck.

From -7186339055189655313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,844256ebd1c91269
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-08 17:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucdcsp!
jenks
From: jenks@uiucdcsp.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: C compilers for 8 bit machines
Message-ID: <10300002@uiucdcsp>
Date: Mon, 8-Sep-86 20:20:00 EDT
Article-I.D.: uiucdcsp.10300002
Posted: Mon Sep 8 20:20:00 1986
Date-Received: Tue, 9-Sep-86 21:54:15 EDT
References: <2503@cbosgd.UUCP>
Lines: 27
Nf-ID: #R:cbosgd.UUCP:2503:uiucdcsp:10300002:000:1101
Nf-From: uiucdcsp.CS.UIUC.EDU!jenks   Sep 8 19:20:00 1986

/* Written 8:54 am Sep 5, 1986 by ranger@ecsvax.UUCP in
uiucdcsp:net.micro.apple */
> The Aztec compiler for the Apple has very slow screen handling because
> it uses a console driver that emulates a terminal. Terminal screen
> control codes are decoded into control codes for the particular hardware
> being used. This is great for portability but is very slow.

Aztec C included the source code for the editor (with the more expensive
versions), so you can do as I did and recompile the editor with your very
own driver -- it's easy. This speeds things up incredibly!

> The other gripe I have with Aztec C on the Apple concerns float and d
> double data types.....

/* End of text from uiucdcsp:net.micro.apple */

A gripe _I_ have is that the compiler is bloody slow! A ram disk helps
an awful lot, but the compiler (at least on the Apple) crawls. This
applies to both compilers, but the native code compiler is REALLY
turtle-like.

    Ken Jenks
    somewhere in the data sink,
    Shampoo-Banana (Champaign-Urbana), IL

quote: "Everything I say isn't profound; it just sounds like it"

From -8544502751682282755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ee712883d1b3831,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,ee712883d1b3831,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-09-08 17:28:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!gatech!gitpyr!ken
From: ken@gitpyr.UUCP (Ken Hall)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Disk controller address
Message-ID: <2231@gitpyr.UUCP>
Date: Mon, 8-Sep-86 20:28:36 EDT
Article-I.D.: gitpyr.2231
Posted: Mon Sep 8 20:28:36 1986
Date-Received: Tue, 9-Sep-86 23:56:17 EDT
Reply-To: ken@gitpyr.UUCP (Ken Hall)
Distribution: net
Organization: Georgia Institute of Technology
Lines: 4
Xref: mnetor net.micro.pc:6455 net.micro.apple:1368

Does anyone know the format address for the IBM 10mb disk controller which
comes in an IBM XT?

Ken Hall

From 4032100476780070486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c38c84eacbea665,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-09 02:44:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!mcvax!ukc!dcl-cs!strath-cs!paisley!swi
From: swi@cs.paisley.ac.uk (S. Wilson)
Newsgroups: net.micro.apple
Subject: Hard Disk + Serial port

Message-ID: <182@paisley.ac.uk>
Date: Tue, 9-Sep-86 05:44:38 EDT
Article-I.D.: paisley.182
Posted: Tue Sep 9 05:44:38 1986
Date-Received: Wed, 10-Sep-86 01:37:16 EDT
References: C/WP hard disk
Sender: swi@paisley.ac.uk
Reply-To: swi@cs.paisley.ac.uk (S. Wilson)
Distribution: net.micro.apple
Organization: Paisley College of Technology Scotland.
Lines: 14

I have just inherited a good ol' Apple][with a contour 3Mbyte Hard disk.
The only problem is that the interface card was lost. Can anyone give me
a suggestion as to where i might get one. I was quoted 100 pounds by the
company that made the disk. A bit expensive.

Secondly, i want to get kermit onto it, but do not have any Emulation software.
Can anybody post me a short basic/6502 piece of code that will allow me to
upload kermit onto it.

Thanks in advance

Scotty Wilson.

"to grep, or not to grep, that is the question".

From -4677804732843566438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-10 08:04:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!drutx!druhi!des
From: des@druhi.UUCP (SalyerDE)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <996@druhi.UUCP>
Date: Wed, 10-Sep-86 11:04:03 EDT
Article-I.D.: druhi.996
Posted: Wed Sep 10 11:04:03 1986
Date-Received: Thu, 11-Sep-86 19:25:14 EDT
References: <150@endot.UUCP> <1937@ecsvax.UUCP> <15569@ucbvax.BERKELEY.EDU>
<2015@ecsvax.UUCP>
Organization: AT&T Information System Labs, Denver, Co
Lines: 31
Summary: Warnings Softerm Paddle Port stuff

In article <2015@ecsvax.UUCP>, ranger@ecsvax.UUCP writes:
> > I use Softerm II and find it to be one of the better products I use on
> > my Apple //e: reliable, acceptably fast, ...

... more text about using up a slot in the apple

> > I am slot starved!
>
> Yes! Upgrade to the IIe/IIc version. It no longer uses a slot card.
> The new version has a 3 button keypad that plugs in the 9-pin joystick
> port. Open Apple and closed Apple can be used for S1 and S2, ...

One slight 'problem' (unless you remember this) is that other things might be plugged into the joystick port, and you know about 'out of sight, out of mind'. I had a problem with Softerm II (the //e version) the other day, it was acting very erratic. I finally figured out what was wrong. Recently I bought a voice recognition/recording system which uses the joystick port for voice input. Whenever the noise level in the room changed it would exceed the threshold of the system, and 'push' the 's1' button! So of course, Softerm was getting confused!

So watch out what you have plugged into your joystick port when you use the new Softerm II !

Real Life?: Dale Salyer (Programmer)
E-Mail Address: ...!ihnp4!druhi!des
U.S. Mail: AT&T Info. Systems Laboratories
Rm. 8Z326
Denver, CO 80229
(303) - 538-4907

From 802995597851507932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,677c766562443e9a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,677c766562443e9a,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1986-09-10 14:59:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!husc6!panda!genrad!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.lang.c,net.micro.apple
Subject: Help! How to compile Aztec C programs
Message-ID: <3179@mit-eddie.MIT.EDU>
Date: Wed, 10-Sep-86 17:59:35 EDT
Article-I.D.: mit-eddi.3179
Posted: Wed Sep 10 17:59:35 1986
Date-Received: Thu, 11-Sep-86 02:10:04 EDT
Organization: M.I.T. EE/CS Computer Facility, Cambridge MA
Lines: 13
Keywords: C AZTEC HELP
Xref: mnetor net.lang.c:5835 net.micro.apple:1372

I have a disk containing Aztec C under DOS 3.3, which came with my II+

when I bought it used, but unfortunately it came with no documentation or intructions of any kind. Can anyone tell me how to go about editing and compiling a program under DOS 3.3 Aztec C? (does Aztec have an editor, what are the commands, etc.?)

Andrew Moore
arpa MOORE%MIT-EECS@MIT-MC.ARPA
uucp ...mit-eddie!moore
 tel 617/479-9208 BBS Sat-Sun 300/1200
  us Box 121, North Quincy, MA 02171

From -3551386369723720770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49c6f64dfd4ee667
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-10 17:07:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5 (Ben Cranston)
Newsgroups: net.micro.apple
Subject: Re: To those who requested Apple Kermit & one who has it...
Message-ID: <1241@umd5>
Date: Wed, 10-Sep-86 20:07:16 EDT
Article-I.D.: umd5.1241
Posted: Wed Sep 10 20:07:16 1986
Date-Received: Thu, 11-Sep-86 02:09:49 EDT
References: <5675@topaz.RUTGERS.EDU>
Reply-To: zben@umd5.umd.edu (Ben Cranston)
Organization: University of Maryland, College Park
Lines: 23
Keywords: Help Kermit Apple
Summary: Status report

First off, I was way off base when I accused the Unix upper case mode of interfering with Kermit. In point of fact it was a parity problem. As Ron Natalie says: "Parity is for Farmers...".

I've got the entire source uploaded to a Unix directory, and have sent out one beta test copy. Rather than type the 25 pages of documentation in by hand I submitted it as a test job for our new Kurzweil scanner. When the text comes back I will package it up and post it. Since it is already more than 160KB without documentation I will probably post it in three pieces.

Summary: this is Kermit][2.8 and is a combination of Applesoft Basic and assembly language. It does a lot of peeking, pokeing, and jumping to many strange weird addresses, so it may very well be machine and system specific. I use it on a][+ with DOS 3.3 without problems. It has a 70 column display option, does lower case with the hi-res screen, and can/must be customized for one of five terminal cards: Apple Comm, Apple Super Serial, Micromodem, CalComp, or Novation. It only does TEXT mode, but there are programs with it that convert APPLESOFT and BINARY files to/from TEXT form for xmission.

--
                    umd5.UUCP   <= {seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben
Ben Cranston zben @ umd2.UMD.EDU   Kingdom of Merryland Sperrows 1100/92
                    umd2.BITNET   "via HASP with RSCS"

From 3510238267044246293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ee712883d1b3831
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,ee712883d1b3831
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-09-10 17:16:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!gatech!gitpyr!ken
From: ken@gitpyr.UUCP (Ken Hall)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Disk controller address
Message-ID: <2242@gitpyr.UUCP>
Date: Wed, 10-Sep-86 20:16:11 EDT
Article-I.D.: gitpyr.2242
Posted: Wed Sep 10 20:16:11 1986
Date-Received: Wed, 10-Sep-86 23:58:39 EDT
References: <2231@gitpyr.UUCP>
Reply-To: ken@gitpyr.UUCP (Ken Hall)
Distribution: net
Organization: Georgia Institute of Technology
Lines: 30
Xref: mnetor net.micro.pc:6466 net.micro.apple:1370

The elaborate on my problem:

I installed a Western Digital hard disk controller card into an IBM XT.

To get everything working I had to get into debug and run a program off the
ROM of the Western Digital (WD) card.

It went something like this:

```
debug
-rax
0000
-0003
-g=xxxx:xxxx    some address on the card.  i don't remember it right now.
```

Western Digital, copyright . . . . etc

Then proceeded to write its own special stamp the the Winchester.

Well, I turned around and put the IBM hard disk controller card back in the
box to see how it worked and it would not, because WD had put its format on
the disk.

I need to know how to put IBM's special stamp back on this disk. Hopefully,
the code needed to do the job is at some known address on the card.

Anyone know it?

Ken

From -1404609538933314739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82ecdf529dae8236,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-11 06:03:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!decwrl!nymgr.dec.com!
barresi
From: barresi@nymgr.dec.com.UUCP
Newsgroups: net.micro.apple
Subject: softerm II
Message-ID: <5272@decwrl.DEC.COM>
Date: Thu, 11-Sep-86 09:03:36 EDT
Article-I.D.: decwrl.5272
Posted: Thu Sep 11 09:03:36 1986
Date-Received: Thu, 11-Sep-86 21:48:17 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 4

I think you need an Enhanced //e for the new softerm II....

JOe

From 5758580291565638735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-11 06:44:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!convex!ntvax!mike
From: mike@ntvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <3600001@ntvax>
Date: Thu, 11-Sep-86 09:44:00 EDT
Article-I.D.: ntvax.3600001
Posted: Thu Sep 11 09:44:00 1986
Date-Received: Sat, 27-Sep-86 19:06:48 EDT
References: <3277@utcsri.UUCP>
Lines: 10
Nf-ID: #R:utcsri.UUCP:3277:ntvax:3600001:000:396

Nf-From: ntvax.UUCP!mike   Sep 11 08:44:00 1986

IBM SS drives read and write the top of the disk while apple drives read and write the bottom so, how can there be "SS certified disk?"

IBM SS drives DO NOT read and write the "top " of the disk. They have one r/w head which is mounted on the bottom and there is merely a pressure pad on top where the second r/w head would go. Take one apart sometime and look at it.

From 7937269575094113602
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,957bea1c0707860
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,957bea1c0707860
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-11 06:50:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!bellcore!petrus!magic!joevax!sdh
From: sdh@joevax.UUCP (The Doctor)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Re: Request: FORTH (or basic compiler) for Apple IIe
Message-ID: <271@joevax.UUCP>
Date: Thu, 11-Sep-86 09:50:09 EDT
Article-I.D.: joevax.271
Posted: Thu Sep 11 09:50:09 1986
Date-Received: Thu, 11-Sep-86 21:49:17 EDT
References: <1261@curly.ucla-cs.ARPA>
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 40
Xref: mnetor net.lang.forth:291 net.micro.apple:1377

> I have a friend doing experiment control / data acquisition with an
> apple II but finds basic too slow (big surprise).
>
> What are some forths for the apple and their pros/cons/prices.
> Or alternatively a compiler for basic.
>
>   Thanks
>   Phil Budne
>   Boston University / Distributed Systems

Paul Lutus, I believe has put out a version of FORTH called graForth. As The name implies, it is a graphics-oriented package. It seems to be pretty well put together, but might not be able to provide the speed you need. You might try asking the company for some benchmarks.

Most BASIC compilers advertise that they can produce code up to 2 to 20

times as fast. My own experience is that the new code becomes faster in inverse proportion to how well you wrote the original code. Sloopy code can be sped up quite a bit. Very tight original code can't.

I wrote a 27 line non-recursive solution to the knight's tour problem in BASIC (purely as a mental exercise) in very efficient code. It moved at a pretty fair clip. The compiled code went about 2-3 times as fast.
As a final task, I wrote the same code, using the same technique and style in assembly language and was left with a program that was about 1/2 the size in bytes, of the original BASIC, and about 1/8 the size of the compiled code (including its libraries), and as a final note, it went 400 times faster than the compiled code. Yes, that's right, 400. The reason for that is the style of programming used for array addressing, and the output in assembly language was far more efficient.

Oh, forgot to mention, graForth does not support floating point arithmetic.

If you can stomach assembly language, its the only way you'll get top speed. Forth is fairly swift. Th BASIC compilers will offer you a way to translate what you already have into inefficient assembly language at the cost of space.

Steve Hawley
joevax!sdh

From 3343050962826740369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cda366819f2b9a46,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,cda366819f2b9a46,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-09-11 10:06:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!topaz!friedman
From: friedman@topaz.RUTGERS.EDU (-Gadi)
Newsgroups: net.micro.apple,net.micro
Subject: Apple 1200 modem for sale.
Message-ID: <5762@topaz.RUTGERS.EDU>
Date: Thu, 11-Sep-86 13:06:03 EDT
Article-I.D.: topaz.5762
Posted: Thu Sep 11 13:06:03 1986
Date-Received: Thu, 11-Sep-86 21:34:15 EDT
Distribution: na
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 13
Keywords: 1200
Xref: mnetor net.micro.apple:1375 net.micro:6026

For sale, apple 1200 bps Hayes compatible modem.
Origional packaging and Docs. $130 or best offer.
It was in use until July and is now gathering dust.

Cable included, make me an offer on the Super Serial card.

-Gadi

--
ARPA: friedman@topaz.rutgers.edu
UUCP: ...{harvard, seismo, ut-sally, sri-iu, ihnp4!packard}!topaz!friedman
CMS: TECC!RUTGERS!SYSOP
BELL: Call the Rutgers CMS BBS at (201) 932-3887

From 4372063448664586875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61eb4d2342af2161,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-11 11:30:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: More About New Apple //GS
Message-ID: <309@ski.UUCP>
Date: Thu, 11-Sep-86 14:30:08 EDT
Article-I.D.: ski.309
Posted: Thu Sep 11 14:30:08 1986
Date-Received: Fri, 12-Sep-86 22:18:38 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 63

From today's San Francisco Chronicle Technology column by John Eckhouse:

"An Inside Look at Some Secret New Apple Computers"
(paraphrased)

Apple Computer will introduce the newest member of its 10-year-old
Apple][family on Monday (Sept 15.) The Cupertino company will
follow that up with at least two new members of the Macintosh family
in January.

The //GS will use "a fast 65SC819 microprocessor chip".

The "GS" stands for the custom-designed graphics and sound chips.
-Apple will introduce a new high-resolution color monitor that can
really show off the machine's graphics.

New outer shell will be silvery-gray, referred to as "platinum".

First Apple][witha detachable keyboard.

Built-in mouse and SCSI port.

The computer will be "fully compatible" with the //e, but has some

minor incompatibility problems with the //c, and some /c programs
won't run on the //GS.

Apple very security conscious about this; used different codenames.
Some people were shown with 5-1/4 inch floppy, some were shown with
built-in 3-1/2 inch drive. Author feels Apple will offer a
double-sided 5-1/4 inch drive as standard equipment to maintain
absolute compatibility with the //e.

Apple's prices will be $999 for the computer, and $495 for the new
color monitor. If so, Apple may cut the price of the //e with monitor
to $1000, and drop the //c as low as $600.
Current //e owners: APlle reportedly will offer //e owners the chance
to upgrade; total board swap may cost as much as $650, however.

New Macs:

2 or 3 machines. High-end version as engineering workstation.; cros
between Xerox Star and Commodore Amiga. 8-1/2 x 11 display, 68020
32-bit CPU., double the resolution of the current Mac. Price bet.
$3995 and $6995.

High-performance Mac will take the place of the current Mac Plus.
Phase-out of the Mac 512K enhanced machine, use the new Mac Plus as
entry-level Mac. Some people say this lower-end machine will be the
open-architecture Mac, with internal slots. Price bet. $2695 and
$2995. Some say there will be 3 Macs: a closed-architecture machine,
a slotted Mac, and the workstation Mac. Another market analyst
forcast a possible "MacStingy" at $995, the slotted "WorkMac" at
$2995, and a "MacEngine" eng'g workstation at $4995.
--
==========
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -1319177175731874108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d343311847e9fbce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-11 12:42:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!caip!ucla-cs!feldy
From: feldy@CS.UCLA.EDU
Newsgroups: net.micro.apple
Subject: WANTED: Terminal package (access to modem and 80 col card)
Message-ID: <1432@curly.ucla-cs.ARPA>

Date: Thu, 11-Sep-86 15:42:31 EDT
Article-I.D.: curly.1432
Posted: Thu Sep 11 15:42:31 1986
Date-Received: Thu, 11-Sep-86 21:56:13 EDT
Reply-To: feldy@CS.UCLA.EDU (Bob Felderman)
Organization: United Hobbits for a Return to the Third Age
Lines: 16

..
I need a terminal package that will allow access to the modem and the
80 column card. The package only needs to emulate a "dumb" terminal since
it will be connected to a non-descript energy management computer. The
important thing is to have 80 columns.

     Please send an e-mail response.

Thanks

Bob Felderman
3732L Boelter Hall   feldy@ats.ucla.edu
University of California   ...!{trwspp,sdcrdcf,ihnp4,ucbvax}!ucla-cs!feldy
Los Angeles, CA 90024
(213) 825-2841

From 968894029148207202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82ecdf529dae8236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-12 08:18:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!ihlpf!lyourk
From: lyourk@ihlpf.UUCP (Loran N. Yourk)
Newsgroups: net.micro.apple
Subject: Re: softerm II
Message-ID: <721@ihlpf.UUCP>
Date: Fri, 12-Sep-86 11:18:44 EDT
Article-I.D.: ihlpf.721
Posted: Fri Sep 12 11:18:44 1986
Date-Received: Sat, 13-Sep-86 06:06:22 EDT
References: <5272@decwrl.DEC.COM>
Organization: AT&T Bell Laboratories
Lines: 10

> I think you need an Enhanced //e for the new softerm II....
>
>
> JOe

You only need a 128k //e. The enhanced part doesn't matter (but
if you have an enhanced //e you will need the latest //e 80 col
driver).

Loran

From 2469686857100952244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3b33e75549bf66b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-13 02:23:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!mcvax!philmds!achel!ruudl
From: ruudl@achel.UUCP (ruudl)
Newsgroups: net.micro.apple
Subject: New apple II
Message-ID: <4@achel.UUCP>
Date: Sat, 13-Sep-86 05:23:52 EDT
Article-I.D.: achel.4
Posted: Sat Sep 13 05:23:52 1986
Date-Received: Sat, 13-Sep-86 21:17:28 EDT
Organization: Philips I&E DTS Eindhoven
Lines: 26

I thought net.micro.apple would be flooded by the end of this week with
news and specs about the apple IIgs. I read an article in a magazine
(computable) which was to detailed to be just a rumor.

The new II will have a total of 6 custom IC's :
- The Fast Processor Interface, to control the speed of the CPU, input
  and output.
- Mega II, contains most of the chips from the apple IIe/c. Emulator chip?
- Ensonic sound chip. 15 simultaneous sound channels !
- Glusonic (not sure about this name, I don't have the article by hand),
  which can control the ensonic sound chip so it can run in background of the
  CPU
- Graphics controller chip, includes the graphics modes of the IIe/c but also
  supports very high resolution display (whatever that may be) in colour.
- 65C816 CPU, capable of executing all 65(C)02 instructions, 8 and 16 bit mode
  24 adres modes (13 new ones) and an 8 bits databus and 24 bits (16Mb) address.

Standard 256 Kb ram (not much considered prices of memory chips) expandeble
to 8 Mb and 128 Kb ROM (exp. to 1 Mb) which includes Quickdraw II.
7 I/O expansion slots and 1 memory expansion slot (sounds familiar).

Anyone with more specs, please post them !

** Ruud Linders UUCP: ..!mcvax!philmds!achel!ruudl

From 7849396956904943066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,677c766562443e9a
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-09-13 10:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!
pur-ee!uiucdcs!uiucdcsp!jenks
From: jenks@uiucdcsp.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Help! How to compile Aztec C progra
Message-ID: <10300003@uiucdcsp>
Date: Sat, 13-Sep-86 13:00:00 EDT
Article-I.D.: uiucdcsp.10300003
Posted: Sat Sep 13 13:00:00 1986
Date-Received: Sun, 14-Sep-86 20:13:36 EDT
References: <3179@mit-eddie.MIT.EDU>
Lines: 110
Nf-ID: #R:mit-eddie.MIT.EDU:3179:uiucdcsp:10300003:000:4191
Nf-From: uiucdcsp.CS.UIUC.EDU!jenks   Sep 13 12:00:00 1986

/* Written 4:59 pm Sep 10, 1986 by moore@mit-eddie.MIT.EDU in
uiucdcsp:net.micro.apple */

> [...] Can anyone tell me how to go about editing and
> compiling a program under DOS 3.3 Aztec C? (does Aztec have an editor,
> what are the commands, etc.?)

/* End of text from uiucdcsp:net.micro.apple */

Well, it's not easy. First, on your DOS 3.3 disks (i hope it's a plural --
there are eight (!) sides to my Aztec C) there is a BRUN-able file called
SHELL. Well, you BRUN it. That brings up a UNIX-ish shell, whose commands
are (ahem):

```
     boot {slot}   like PR# from BASIC
     bye       jumps to DOS-less AL monitor
     call {address}     just like BASIC, only it accepts hex (call $800)
     cd {sS,dD,vV} changes "data directory" to a disk drive
     ce {sS,dD,vV} changes "execution directory" -- shell will search
               here if it doesn't find a command on data disk
     cp file1 file2     just like UNIX, only no options.  file names support
               slot,drive,volume notation
     load file [aN] [lN]     when aN specifies "at address N", and lN
               specifies "length N"
     lock file1 [file2] ...  DOS 3.3 LOCK -- note multiple files
     ls [sS,dD,vV] CATALOG -- output CAN'T be redirected
     maxfiles n    like DOS 3.3 -- default n = 3
     mv [-f] file1 file2     move file1 to file2 -- if different disk,
               copy 1->2, delete 1.  if same, rename 1->2.
               -f option supresses error message & 2 deleted first.
     rm file1 [file2] ...    delete unLOCKed files
     run [argv0] [argv1] ... JSR to start of last-loaded file.  push
               argc, argv on  C stack (different from 6502 stack)
     save file [aN] [lN]     like BSAVE
```

```
     unlock file1 [file2] ...    obvious
```

The shell has batch facilities in text files. If this is in a text file named SPUTNIK...

```
     set -x -a
     loop
     # This is argument number $#,$%
     c65 -a -o $%.c
     as65 -o $%.rel $%.asm
     loop
```

...then typing the file name from the shell prompt will cause the shell to compile all the files named...

```
     % sputnik file1.c file2.c file3.c ...
```

The files c65, c65.2, and as65 _must_ be either on you main (data) disk, or an "execution" disk that you have specified with "ce sS,dD,vV". Aztec C uses a symbolic linker. After compiling the program to a relocatable file (file.rel, or file.int for pseudo-code compiler), you need to link it with the libraries. There are several libraries to choose from:

```
     sh65.lib  uses calls to shell for I/O etc.  The '65' means this
               is in FAST native 6502 code.  (Fast, but long.)

     shint.lib also uses shell calls, but this is a pseudo-code
               lib.  (Slower, but shorter.)  "int" = pseudo-code.

     sa65.lib  stand-alone lib, for use without the shell in memory.

     saint.lib obvious?

     flt65.lib floating-point routines -- must be linked in to use
               reals, doubles, etc.

     fltint.lib    yeah, yeah.
```

Linking is done with the program called "ln".

```
     ln [-t] [-o outfile] [-r] [-b N] [-c N] [-d N] [-f infile] file.rel
```

Quickly,

```
     -t       symbol table for debug
     -b address    base address (def = $800)
     -c address    code address (def = base + 3 for JSR $xxxx)
     -d address    data address (def = end of code)
     -f filename   merge entire file with command line args
```

The editor for Aztec C is called ved. It uses a subset of the commands for vi on UNIX. Invoke it with "ved [-tN] file" where -tN sets tab size. Once you're in, type ? for help.

The shell allows I/O redirection (UNIX's < and > but not |), but no wildcard file names or history commands.

There is a configuration program (called, of all things, config) to set up your printer, your 80-column card (if any), etc.

If you are going to use Aztec C for more than just playing around, I HIGHLY recommend that you get yourself a ram disk -- it REALLY saves on the disk-intensive stuff like compiler, assembling, and linking.

Coincedentally, I have a 256K ram disk for sale -- cheap. Mail me if interested. (Upgradable to 1 M, it's an official Apple card, works perfectly with shell DOS.)

Good luck! If you ever do anything interesting, please let me know. I taught a class last semester in how to use this thing, and might teach one next semester too. Any concrete uses would be appreciated!

-- Ken Jenks

"Science is to see what everyone else has seen,
and to think what no one else has thought."
-- Albert Szent-Gyorgi

From 8215635956867269746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,677c766562443e9a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-16 19:02:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!uwvax!husc6!panda!genrad!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: AppleWorks and Sider: help with /hard2
Message-ID: <3238@mit-eddie.MIT.EDU>
Date: Tue, 16-Sep-86 22:02:23 EDT
Article-I.D.: mit-eddi.3238
Posted: Tue Sep 16 22:02:23 1986
Date-Received: Wed, 17-Sep-86 06:09:52 EDT
References: <3179@mit-eddie.MIT.EDU> <10300003@uiucdcsp>
Organization: M.I.T. EE/CS Computer Facility, Cambridge MA
Lines: 22

I'm trying to get AppleWorks installed on my hard drive, a 10M Sider. The /hard1 volume (this is under ProDOS) works fine, but whenever AppleWorks tries to access /hard2 in any way, it responds with "Errors encountered while reading..." (or something equally ugly). (/hard1 and /hard2 are the two top directories that the Sider has under ProDOS). This could be related to the fact that I changed the "MAIN MENU" program a bit. My Sider was just in getting replaced -- when it came back, the

MAIN MENU program failed to run -- it gave "illegal value" and exited to
BASIC at line 900 (it tried to poke an extremely large value into
locations 67 and 70 before booting ProDOS). Not knowing which value to
ue, I tried various values untilI got something that seemed to work (240
and 112 both seem to work). All I know is that this value has to be
a multiple of 16, I'm 100% sure (don't ask...). I don't know whether or
not this had anything to do with the /hard2 problem, but if anyone
can help, please send me a note. Thanks.

Andrew Moore
arpa MOORE%MIT-EECS at MIT-MC.ARPA
uucp ...mit-eddie!moore
  us Box 121, North Quincy, MA 02171

From -6547070746014124721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,92c4f5d37e032c13,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,92c4f5d37e032c13,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-17 13:40:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!panda!genrad!decvax!mcnc!rti-sel!tijc02!
seb022
From: seb022@tijc02.UUCP (Scott Bemis   )
Newsgroups: net.micro.mac,net.micro.apple
Subject: QUERY on IMAGEWRITER Compatibles
Message-ID: <113@tijc02.UUCP>
Date: Wed, 17-Sep-86 16:40:18 EDT
Article-I.D.: tijc02.113
Posted: Wed Sep 17 16:40:18 1986
Date-Received: Sat, 20-Sep-86 02:18:27 EDT
Distribution: net
Organization: Texas Instr., Johnson City TN
Lines: 17
Xref: mnetor net.micro.mac:7095 net.micro.apple:1391

I am currently in the market for a printer for my new MAC PLUS. I know that
there are several printers compatible to the Imagewriter (EPSON AP-80 ,
OKADATA 192s and 193s for example) but I have not been able to see any of these
printers in action. I would appreciate any comments anyone has in reference
to printers you have used with your MAC. In particular I am interested in:

  1) PRINT QUALITY in comparison to the IMAGEWRITER and IMAGEWRITER II.
  2) Compatibility to IMAGEWRITER (i.e 100%, 90%, etc).
  3) PRINT SPEED in different modes.
  4) DEPENDABILITY.
  5) Any other characteristics you wish to comment on!

                              Thanks in advance,
                              Bob

Mail Address: mcnc!rti-sel!tijc02!tijc03!rwb160

From 7767170570364424415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8129c2e1153c70a5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-17 16:35:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!styx!twg-ap!amdahl!pyramid!decwrl!
nymgr.dec.com!barresi
From: barresi@nymgr.dec.com
Newsgroups: net.micro.apple
Subject: //gs
Message-ID: <5411@decwrl.DEC.COM>
Date: Wed, 17-Sep-86 19:35:43 EDT
Article-I.D.: decwrl.5411
Posted: Wed Sep 17 19:35:43 1986
Date-Received: Fri, 19-Sep-86 22:48:49 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 38

Just picked up a copy on 'In Cider" which has the specs on the new
Apple //GS [graphics/sound]

So here goes along with some comments...

Cpu-65C816 dualspeeds 1.0 and 2.8 MHZ (not much if any over the accelerators)

Standard Mem 256. Expandable to 8MeB(No Problems here!)

Rom 128k expandable to 1.125MB

Graphics- Apple // compatible 40/80 column text Low hi and Double high
res graphics. Super Hi Res at 320x200 with 26 on screen colors and 640x200
with 64 on screen color (really shading so divide by 4)

Sound-Ensoniq 15 voice music/speech synthesizer chip with 64k of ram and
32 digital oscillators.

Expansion-SevenApple // compatible slots with one dedicated slot for memory,
which by the way is a full 24 bits.

Ports-2 serial;Game/Joystick;Disk Drive (3 1/2 & 51/4);RGB color;Composite;
Apple Desktop bus for keyboard and mouse;Headphone/speaker.

It also has alot of VLSI stuff and the so called MEGA // chip, which is
a //e with out th cpu and i/o stuff.Obviously theres alot more to it than
what I just wrote so buy a copy of Octobers 'In Cider'.

Personallyni'm not really that impressed. I mean they took alot from the MAC

with all the windows/icons and stuff. I would of thought that the graphics would be alot bette and wit should've had a SCSi port built in. While reading the aricle I just felt that they just designed it with the what was already done with the //e [by 3rd parties]just put it all in a neater package I''ll wait till I see a REAL one before deciding to go IBM or not

Joe Craparotta

From -2736734550812646128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 157808,2b2157987a7b1f13,start
X-Google-Attributes: gid157808,public
X-Google-Thread: 152df8,2b2157987a7b1f13,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,61eb4d2342af2161
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-17 20:44:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!lanl!dlc
From: dlc@lanl.ARPA (Dale Carstensen)
Newsgroups: net.micro.apple,net.micro.mac,net.music.synth
Subject: Re: More About New Apple //GS
Message-ID: <7608@lanl.ARPA>
Date: Wed, 17-Sep-86 23:44:47 EDT
Article-I.D.: lanl.7608
Posted: Wed Sep 17 23:44:47 1986
Date-Received: Fri, 19-Sep-86 22:26:34 EDT
References: <309@ski.UUCP>
Distribution: net
Organization: Los Alamos National Laboratory
Lines: 10
Xref: mnetor net.micro.apple:1388 net.micro.mac:7059 net.music.synth:1535

The September 15 E. E. Times has a front page article which continues to most of two inside pages (except the ad for Tektronix) about the Apple II GS. A picture of Curtis Sasaki with the mother board, and an inset with the special chips on the mother board highlighted are included. Sasaki is "the Apple program manager responsible for the engineering of the GS."

But the interesting part that wasn't in the pre-announcement speculation is that the sound chip is licensed from Ensoniq. EET says it has 32 oscillators which allow up to 15 voices at one time, and 64K bytes are dedicated to it. It will be able to sample as well as synthesize.

From -3296021404509551462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,564058c8790a9724,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-21 16:39:43 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!qantel!ihnp4!inuxc!pur-ee!
j.cc.purdue.edu!i.cc.purdue.edu!afo
From: afo@i.cc.purdue.edu (Alan Davis)
Newsgroups: net.micro.apple
Subject: Kermit-65 in 80 columns
Message-ID: <1545@i.cc.purdue.edu>
Date: Sun, 21-Sep-86 19:39:43 EDT
Article-I.D.: i.1545
Posted: Sun Sep 21 19:39:43 1986
Date-Received: Tue, 23-Sep-86 22:18:54 EDT
Organization: Purdue University Computing Center
Lines: 18
Keywords: change display type

I have an apple][+ with a videx 80-column card. I obtained a copy
of Kermit-65 and would like to use it in 80-column mode. Can anyone tell
me which display type this is or even if Kermit-65 will support 80-columns.

Thanks in advance.

Alan Davis
afo@i.cc.purdue.edu

:-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-)

Aunt Em,

   Hate you,
   hate Kansas.

   Took the dog,
        Dorothy

From -7378167946981506710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aae451281b16c812,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-22 16:51:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!cmcl2!yale!husc6!rutgers!lll-crg!nike!ucbcad!ucbvax!
WHEELER-EMH.ARPA!jhaney
From: jhaney@WHEELER-EMH.ARPA
Newsgroups: net.micro.apple
Subject: Info Apple Mailing List
Message-ID: <8610120133.AA29250@ucbvax.Berkeley.EDU>
Date: Mon, 22-Sep-86 19:51:56 EDT
Article-I.D.: ucbvax.8610120133.AA29250
Posted: Mon Sep 22 19:51:56 1986
Date-Received: Sun, 12-Oct-86 02:05:56 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: The ARPA Internet

Lines: 5

Please add me to your Info Apple Mailing List. My e-mail address
is jhaney@Wheeler-EMH

Thanks,
jhaney

From 2992909903799116009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,613630bdae2f7b70,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-23 07:49:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!qantel!ihnp4!houxm!houem!dtg
From: dtg@houem.UUCP (D.GRETZINGER)
Newsgroups: net.micro.apple
Subject: APPLE IIe SYSTEM FOR SALE
Message-ID: <632@houem.UUCP>
Date: Tue, 23-Sep-86 10:49:13 EDT
Article-I.D.: houem.632
Posted: Tue Sep 23 10:49:13 1986
Date-Received: Wed, 24-Sep-86 00:01:36 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 19

FOR SALE : APPLE IIe PERSONAL COMPUTER SYSTEM

INCLUDES: 2 Disk Drives
          Monitor
          80 Column Card
          Printer
          Joystick
          Surge Protector

SOFTWARE: PFS Write, File & Report
          Print Shop & 2 Library Disks
          Witness and dozens of other games
          Much More

PRICE: $1000.00

CONTACT: houem!em1/dtg or call (201) 769-0293 Anytime

From 4574603174754832223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cb58,3b8d17864282874c,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,3b8d17864282874c,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-09-23 13:16:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!uwvax!husc6!bu-cs!jam
From: jam@bu-cs.BU.EDU (Jonathan Marshall)
Newsgroups: na.forsale,net.micro.apple
Subject: APPLE //E system (plus 68000 board) for sale
Message-ID: <1410@bucsd.bu-cs.BU.EDU>
Date: Tue, 23-Sep-86 16:16:39 EDT
Article-I.D.: bucsd.1410
Posted: Tue Sep 23 16:16:39 1986
Date-Received: Wed, 24-Sep-86 22:19:53 EDT
Reply-To: harvard!bu-cs!jam (Jonathan Marshall)
Distribution: na
Organization: Boston Univ. CS Dept.
Lines: 28
Xref: mnetor na.forsale:724 net.micro.apple:1394

APPLE //E complete system for sale ($950):
     Apple extended 80-column card (makes 128K memory)
     12" green & white Zenith monitor
     2 Fourth Dimension 5.25" disk drives (completely compatible)
     disk drive controller card
     Gemini Star 10X printer
     parallel printer interface card
     extended printer cable
     DOS 3.3 and ProDOS
     lots of software, especially programmer's tools

Special Bonus: DTACK Grounded brand 68000 attached processor board ($225):
     - interface card plugs into Apple slot
     - very fast: 12.5 MHz, no wait states
     - 92K very fast (100 ns) memory on board
     - demo software and documentation
     - sturdy metal box

Excellent condition. Asking only $950 for the Apple system (I paid
over $1900 new), and $225 for the 68000 board ($1100 new), or best
offer. Will consider selling separately.

Please reply ASAP to:

Jonathan Marshall, 617-353-4517 (work) or 617-864-7079 (home)
9 Eustis St. #1R
Cambridge, MA 02140   harvard!bu-cs!jam

From -4814548264270186507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,326ab348423908ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-24 16:05:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!noscvax!cod!rupp
From: rupp@cod.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: test
Message-ID: <144@cod.UUCP>
Date: Wed, 24-Sep-86 19:05:57 EDT
Article-I.D.: cod.144
Posted: Wed Sep 24 19:05:57 1986
Date-Received: Thu, 25-Sep-86 18:46:12 EDT
Organization: Naval Ocean Systems Center, San Diego
Lines: 13

We have not been receiving any postings on this group for several days.
This seems curious, since I had expected numerous comments on the new
Apple //GS. Is everybody suddenly shy, or has the net broken down along
the way somewhere? Apple users, please post and let us know that you
still care.

Bill Rupp
Computer Sciences, San Diego Center (via NOSC)

This presumably innocent posting represents my own views (the 'we' above
is editorial) and not those of CSC, NOSC, or anybody else, except by
coincidence......

From -2840607465378538354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-24 21:02:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!rra202
From: rra202@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: C128 vs Apple //e
Message-ID: <9800030@uiucuxa>
Date: Thu, 25-Sep-86 00:02:00 EDT
Article-I.D.: uiucuxa.9800030
Posted: Thu Sep 25 00:02:00 1986
Date-Received: Tue, 30-Sep-86 03:26:43 EDT
Lines: 16
Nf-ID: #N:uiucuxa:9800030:000:339
Nf-From: uiucuxa.CSO.UIUC.EDU!rra202   Sep 24 23:02:00 1986

hi
I'm from a Commodore - 128 kind of scene
I ran a program on both the apple //e
and a C-128

10 fort=1 to 500

```
20 a=3.14159
30 b=sqr(val(str$(a*a)))
40 nextt
50 end
```

and the C-128 in the 80-col mode is almost 2x as fast
by the way, the values of 'b' were almost identacle
acually, the C-128 is almost (within 20%) as fast as
an IBM PC.

From -1862174488134760843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-25 09:21:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!topaz!ll-xn!nike!ucbcad!ucbvax!sdcsvax!sdcc6!
ir332
From: ir332@sdcc6.ucsd.EDU (Jeff Miller)
Newsgroups: net.micro.apple
Subject: Apple IIe and IIc raster scan synchronization.
Message-ID: <2869@sdcc6.ucsd.EDU>
Date: Thu, 25-Sep-86 12:21:58 EDT
Article-I.D.: sdcc6.2869
Posted: Thu Sep 25 12:21:58 1986
Date-Received: Fri, 26-Sep-86 20:42:58 EDT
Organization: U.C. San Diego, Academic Computer Center
Lines: 13
Keywords: IIe IIc video

I need to synchronize a program with some fixed point in the video
display cycle (i.e. raster scan) on IIe's and IIc's. I have done
this on II+'s by wiring a certain pin into the game port, and then
reading the status of the game port. I would like to do the same
thing for the other II machines, but I don't know which pin it is
(or even whether there still is one that will work). To boot, I
can barely solder, so don't refer me to some technical specs.
Anybody out there who can help for either machine? Thanks.
--

        Jeff Miller   ARPA: sdcc6!ir332@ucsd.edu
     U. C. San Diego   (I think)
     Dept Psychology, C-009
        La Jolla, CA 92093

From -7331710456295641778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eba9d7638f4f4559,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-25 10:30:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!topaz!langbein

From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Apple kermit soon to come...
Message-ID: <5942@topaz.RUTGERS.EDU>
Date: Thu, 25-Sep-86 13:30:19 EDT
Article-I.D.: topaz.5942
Posted: Thu Sep 25 13:30:19 1986
Date-Received: Fri, 26-Sep-86 00:55:39 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 14
Keywords: Sorry for the delay folks, but...

Due to possible hardware troubles, I am unable to distribute kermit
yet in fear that for some strange reason it isn't working on our
system here yet. I haven't been able to download the source code for
the one E-mailed to me yet, so just hang on. Our resident Kermit
expert will soon be analysing the problem...

Sorry for the delay.,
John Langbein
(langbein@topaz)

P.S. I will be distributing by E-mail or by Snail-Mail. Distribution
methods for recipt details to be posted soon. No more requests to be
mailed to me for the present time please.

From 5209639002778367284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9feda5b3c3a0113,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-26 10:05:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Apple][to Unix?
Message-ID: <1133@mhuxt.UUCP>
Date: Fri, 26-Sep-86 13:05:32 EDT
Article-I.D.: mhuxt.1133
Posted: Fri Sep 26 13:05:32 1986
Date-Received: Tue, 30-Sep-86 03:33:37 EDT
Organization: AT&T Bell Laboratories, Murray Hill, NJ
Lines: 12

This has probably been asked/answered a thousand times, but I don't look
at this group...

Is there any package for Apple][<--> Unix communications, in particular
for uploading Apple][files to a Unix machine?

Please respond by mail..

thanks

Steve Crandall
ihnp4!mhuxt!evans

From 5964050415730963629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2c64668300c0098,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-26 17:03:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!qantel!intelca!oliveb!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: InCider's comments on the new //GS
Message-ID: <4158@reed.UUCP>
Date: Fri, 26-Sep-86 20:03:20 EDT
Article-I.D.: reed.4158
Posted: Fri Sep 26 20:03:20 1986
Date-Received: Tue, 30-Sep-86 06:57:36 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 52

Well, I'm pissed.

I absolutely hated InCider's review of the new //GS. Or maybe it's the
way Apple is pushing it.

It seems Apple and/or InCider are going full force for a "Mac-like"
interface standard. I for one do not like, want, or need the Mac-like
interface! And from a programmers point of view, I don't think it's
nearly as much fun to program with "toolboxes". The standard display
for the //GS in 16bit mode is graphics. Why? It's slow. My lord is
that slow. Why do they want to force us into using graphics in
non-graphics applications like spreadsheets and wordprocessors? Hmmm?
It takes forever. They did it to the mac, I'm afraid they'll do it to
the //. I like having a text page for textual information, and being
able to flip to the graphics page for a graphic display.

Ugh! I could go on forever. I really dislike the Mac interface. I
really do! I don't like Mousedesk and I don't use it. In fact, right
now I'm using a //e emulator on a Mac. I really realy hate the menu
bars. Windows can be tolerated in applications that need them, and ONLY
in such applications. If they try to make the //GS a MACINCOLOR I will
not buy it. It's very tempting to buy the //e for sale for $950, but
unfortunately I'm in Oregon. I'd sooner have a Sinclair ZX80 than a
Mac!

Your in total disgust of the Mac . . .

Sean Kamath

To send flames and hate mail, use the following. I realize I was a bit
nasty in this article, but I'm realy pretty pissed off about that. I
had heard so much good stuff about the //GS, but it is ALL ruined by the
thought of it being wasted on the Mac-like interface. Pthththth! ick!

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
                  purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
                  cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
              reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From -4072865973933863169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6a503fb509dea49
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-26 23:31:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!ihnp4!qantel!intelca!oliveb!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe and IIc raster scan synchronization.
Message-ID: <4160@reed.UUCP>
Date: Sat, 27-Sep-86 02:31:32 EDT
Article-I.D.: reed.4160
Posted: Sat Sep 27 02:31:32 1986
Date-Received: Tue, 30-Sep-86 07:18:54 EDT
References: <2869@sdcc6.ucsd.EDU>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, OR
Lines: 43
Keywords: IIe IIc video

In article <2869@sdcc6.ucsd.EDU> ir332@sdcc6.ucsd.EDU (Jeff Miller) writes:
>I need to synchronize a program with some fixed point in the video
>display cycle (i.e. raster scan) on IIe's and IIc's. I have done

>this on II+'s by wiring a certain pin into the game port, and then
>reading the status of the game port. I would like to do the same
>thing for the other II machines, but I don't know which pin it is
>(or even whether there still is one that will work). To boot, I
>can barely solder, so don't refer me to some technical specs.
>Anybody out there who can help for either machine? Thanks.
>
>   Jeff Miller

Solder my precious //e? Never! Well, maybe. On the //e and //c there
is no need to solder a pin. It has already been done for you. Read
$C019. When it goes low (<128), it is in VBL. For some really neat
programs that take advantage of that, look into "Enhancing Your Apple][
Vol. 2" by Don Lancaster.

On the //c it is possible to generate interrupts when VBL ($C019) goes
low. I KNOW this. I THINK the same can be done on a //e with a mouse
card, but I'm not altogether sure. If anyone is dying to know, I'll do
that before I work on my color printing routine...

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
                  purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
                  cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
             reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

These are not the fastest or best paths, just the easiest to use.
I hope they work. (Most notably the US Snail Service :-)

From 7897263480320905376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25a19495f3350236
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-27 09:21:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: C128 vs Apple //e
Message-ID: <284@neoucom.UUCP>

Date: Sat, 27-Sep-86 12:21:43 EDT
Article-I.D.: neoucom.284
Posted: Sat Sep 27 12:21:43 1986
Date-Received: Tue, 30-Sep-86 04:52:20 EDT
References: <9800030@uiucuxa>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 43
Summary: cpu clock speed faster in c128

[Line eater, get me.]

Hi,

It's been a while since I was dabbling on a c128. I do remember, though, that under certain circumstances the cpu on the c128 is run at 2.04 MHz, rather than the "standard" 1.02 MHz. Don't quote me on this, but I think it was durring the CRT retrace times that the cpu is running faster on the c128.

Naturally, Commodore wasn't first to cook the idea up. Remeber the ill fated Apple III ran its cpu faster in the CRT retrace time.

Comparing the c128 and apple II against the IBM pc is interesting, as in the normal precision mode, the IBM basica only carries 6 -7 digits of accuracy while apple and commodore carry typically 10-11 digits.

Scrolling text on the 80 col screen is where the speed of the apple IIe is really sapped since the poor cpu has to do handstands to move the text around in the oddball memory map. (I wrote a subroutine in machine language to scroll down to augment the built in code that scrolls up.) I've always wondered why a decent text memory map wasn't designed in to the Apple II at the outset, as even in 1976, it would have added less than $5 to the cost of the components in the machine.

I saw a review of the new //GS on TV, and they were loading an image, and it came up with the familiar fill-in-between the lines fashion of the II. Perhaps this was just done for "effect" to disolve the screen. I sure was hoping the GS would have a mode with a contiguous bit map to make manipulations easier (and faster). Perhaps, the 128K quickdraw ROM in the GS will be a relief, and I won't have to do the dogwork of figuring out how to make the hardware dance nicely.

--Bill

Bill Mayhew
Division of Basic Medical Sciences
Northeastern Ohio Universities' College of Medicine
Rootstown, Ohio 44272 USA 216-325-2511
(wtm@neoucom.UUCP)

From -235048482027192604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-10 10:06:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <250@neoucom.UUCP>
Date: Sun, 10-Aug-86 13:06:38 EDT
Article-I.D.: neoucom.250
Posted: Sun Aug 10 13:06:38 1986
Date-Received: Tue, 12-Aug-86 01:12:28 EDT
References: <283@ski.UUCP> <3222@utcsri.UUCP>
Organization: Northeastern Ohio Universities College of Medicine
Lines: 36
Summary: No more drive brrrraaattt!

[Watt's my line...]

Hi,

The Brrrrraaattt! that apple disk drives make has to be one of the worst sounds on earth! Of course, other than at start up, that noise is usually indicitive that major loss of data eith just has or is about to happen.

About 6 mo. ago, I bought some cheep-o 1/2 height disk drives from JDR. I think they're called "BAL 500". The drives are built around a Teac mechanism that that has track zero sensors and various other goodies. One neat feature is that when the drive reaches track zero, the internal LED sensor cuts off any further stepping. No more Brrrrraaattt! The other neat feature these drives have is the write-protect LED sends its pulse to a differentiator and one-shot that turns the spindle motor on for a few seconds. When disks are inserted, they turn on the motor briefly to assist in alignment of the diskette-- very nice touch! I really appreciate this, since media positioning is easy to botch on the newer "duodisk"; I really miss the old Shugarts!

Another nifty device is the "BAL" drive controller. At boot time the controller examines for either DOS 3.3 format or 3.2 format and switches in the appropriate control and decoder ROMs. It uses a latch that can not be accessed from the CPU to do the setting of the ROM, thus the controller functions well even with copy-proof software. We like this, as we still have a lot of old software floating around, and this eliminates the need for the "boot13" diskette.

Bill Mayhew

Division of Basic Medical Sciences
Northeastern Ohio Universities' College of Medicine
Rootstown, OH 44272 USA   (216) 325-2511
(wtm@neoucom.UUCP)

From -8199162569924317257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e4675cb19610f862
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-11 06:41:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decvax!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: New Apple Kermit Request
Message-ID: <1914@ecsvax.UUCP>
Date: Mon, 11-Aug-86 09:41:14 EDT
Article-I.D.: ecsvax.1914
Posted: Mon Aug 11 09:41:14 1986
Date-Received: Tue, 12-Aug-86 23:23:27 EDT
References: <5516@topaz.RUTGERS.EDU>
Organization: UNC Educational Computing Service
Lines: 20

>
>   I am looking for the latest source code for Kermit for the
> Apple][. I have version 65 I believe, & it does't work right.

I am also interested in finding a Kermit that works on the Apple IIe and
IIc. I have some source files for C-Kermit that list Steven Saline
(Saline@mit-multics) as a volunteer coordinator for Aztec C compiled
C-Kermit on the Apple. I have sent E-mail to him with no reply. Anyone
know him? Also, Stevens Institute in New Jersey is supposed to be the
Coordinator for Apple II Kermit, but I have no contact person there.
Since that is in your part of the world you may check that out. I you
find out anything please let me know. I need to upload 120 disks of
Public Domain Apple software to a PD download system and I desparately
need a Kermit for the Apple with wildcard file transfer capability.

Thanks for the help. Rick@NCSUVM on bitnet

PS the PD download number is (919) 737-3980 destination PUB* username:
Public. We will have bitnet transfers available soon. See the board
(300/1200 baud) for info.

From -2452745574866957407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70fb50a9fca1a3a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-11 15:24:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!dual!joe
From: joe@dual.UUCP (Joe Weinstein)
Newsgroups: net.micro.apple
Subject: What Apple Boxes Run Appletalk?
Message-ID: <1266@dual.UUCP>
Date: Mon, 11-Aug-86 18:24:32 EDT
Article-I.D.: dual.1266
Posted: Mon Aug 11 18:24:32 1986
Date-Received: Tue, 12-Aug-86 17:34:09 EDT
Reply-To: joe@dual.UUCP (Joe Weinstein)
Organization: Dual Systems Corp. Berkeley, Ca.
Lines: 1
Keywords: Besides the Macintosh...

Does Appletalk run on other Apple micros?

From -3176259558134852918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-11 17:12:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!cbatt!cbosgd!ihnp4!inuxc!iuvax!cdaf
From: cdaf@iuvax.UUCP (Charles Daffinger)
Newsgroups: net.micro.apple
Subject: Noisy DOS 3.3 Was Re: Apple //e Interrupts
Message-ID: <1123@iuvax.UUCP>
Date: Mon, 11-Aug-86 20:12:33 EDT
Article-I.D.: iuvax.1123
Posted: Mon Aug 11 20:12:33 1986
Date-Received: Wed, 13-Aug-86 06:24:04 EDT
References: <283@ski.UUCP> <3222@utcsri.UUCP>
Reply-To: cdaf@iuvax.UUCP (Charles Daffinger)
Organization: Indiana University, Bloomington
Lines: 35
Keywords: TUKATUKA.. DOS3.3

In article <3222@utcsri.UUCP> greg@utcsri.UUCP (Gregory Smith) writes:
>In article <943@rti-sel.UUCP> jb@rti-sel.UUCP (Jeff Bartlett) writes:
>>> ... ? (Not to mention trimming everything from the drive, e.g door switch,
>>> index hole sensor, track zero sensor. TUKATUKATUKATUKATUKATUKA!!)
>>>
>>> Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg
>>
>What bothers me is that even the Apple //c goes 'TUKATUKATUKATUKA' when
>aligning its head. If the processor sent 'step in' and 'step out'
>pulses to the hardware, it would be a simple matter to add a track-0
>sensor and disable the step-out signal when it sensed track-0. It seems (?)
>that the CPU directly controls the stepper-motor coil signals though, so
>this annoying noise cannot be easily eliminated without modifying the CPU's
>view of the controller, which would break software that bypasses DOS and

>would thus be Impossible. I believe Apple would have loved to eliminate
>this if it were possible to do it at reasonable cost.
>
>--
>"You'll need more than a Tylenol if you don't tell me where my father is!"
>   - The Ice Pirates
>---
>Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg

Looking inside DOS you will find that any time (a) the arm is being
pulled back to track zero (eg, in an init or during boot), and (b)
whenever the track found is different from the track expected, RWTS
will instruct the stepper moter to move the write arm over $80 phases to make
absulutely sure that it is at track zero. (A little rash?) This has
been kept around up to the 3.3 controller card and DOS 3.3 (which
is just now no longer being supported by Apple). I beleive that PRODOS
now only attempts to find the correct track if a seek brought it to a
wrong track, rather than attempt to recallibrate the arm.

                                                        -CDAFfy

From 495398283453632502
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-12 09:51:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!sri-spam!parcvax!hplabs!pyramid!decwrl!
amdcad!amdahl!bnrmtv!timlee
From: timlee@bnrmtv.UUCP (Timothy Lee)
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disk drives
Message-ID: <623@bnrmtv.UUCP>
Date: Tue, 12-Aug-86 12:51:21 EDT
Article-I.D.: bnrmtv.623
Posted: Tue Aug 12 12:51:21 1986
Date-Received: Thu, 14-Aug-86 05:51:24 EDT
References: <283@ski.UUCP> <3222@utcsri.UUCP>
Organization: Bell Northern Research, Mtn. View, CA
Lines: 33

> >An Apple][with software disk control will beat a
> >   Radio Shack model II (w/controller) hands down in disk performance.
>
> My brother recently purchased a //c (which is why I am reading this grp) and
> I am impressed at the speed of the disk. But I imagine your comparison is
> more of a reflection on the Radio Shack...
>
> [Epson QX-10 stuff]
>
> >
> >   * Faster track to track seek time.

> >   * Higher density.
> >   * Fast transfer times.
>
> Yes, and the latter two are impressive, given the software support required.

Density was quite high during the days when the disk drive and DOS were new
(1979-1982). Not any more, now that better drives have come out on the market.
Speed is still good if you have one of the Fast DOS products or ProDOS.

> >
> >Also you can operate the disk spinning backward, or lay down spiral sectors.
>
> Can you operate the disk spinning backwards? Do Tell.
> As for spiral sectors, the inability of hardware to do such nasties protects
> users from horrible copy-protection schemes. This applies to half-tracking,
> as well.
>
RWTS (the part of DOS which reads and writes individual sectors) supports
half tracking; however, the rest of DOS does not. Apple drives do not seek
finely enough to be able to use adjacent half tracks without interference.
70-track drives have come out which claim to be able to do this, but you would
have to do some DOS hacking to use all 70 tracks (don't know about ProDOS).

From 8171846231656132334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ab0b47e4d9fdc6ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-12 10:09:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
mcnc!rti-sel!dg_rtp!owen
From: owen@dg_rtp.UUCP (Karl Owen)
Newsgroups: net.micro.apple
Subject: Enhancement Questions
Message-ID: <513@dg_rtp.UUCP>
Date: Tue, 12-Aug-86 13:09:43 EDT
Article-I.D.: dg_rtp.513
Posted: Tue Aug 12 13:09:43 1986
Date-Received: Wed, 13-Aug-86 19:08:42 EDT
Reply-To: owen@dg_rtp.UUCP (Karl Owen)
Organization: Data General, RTP North Carolina
Lines: 29

Okay, gang, a couple of questions about the IIe enhancement kit:

My understanding is that I get

     1) A new character generator ROM
     2) A new CD ROM
     3) A new EF ROM
     4) A 65C02 CPU

What are the differences between the old and new chargen ROMs? As far as I can tell (by working on both a IIe and a //c), the inverse uppercase letters have been replaced with mouse icons. Is this the only difference?

Is the 65C02 pin compatible with my current 6502? What new instructions do I get? Do I lose any? Where can I get a data sheet for the 65C02?

Did the published entry points for monitor routines stay the same in the new ROMs? Are the new ROMs the cause of the longer interrupt handling times that was discussed here a couple of weeks ago?

Thanks,
Karl

--

Karl M. Owen
Data General, RTP, NC
...!seismo!mcnc!rti-sel!dg_rtp!owen

From 6444309991670339572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd2d424a5332d8b6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-12 11:54:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Apple Compatable Reviews Wanted
Message-ID: <5545@topaz.RUTGERS.EDU>
Date: Tue, 12-Aug-86 14:54:12 EDT
Article-I.D.: topaz.5545
Posted: Tue Aug 12 14:54:12 1986
Date-Received: Wed, 13-Aug-86 01:30:47 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 24
Keywords: Apple][e or c

Being an owner of a][+ it is tought when I can't run appleworks or many other programs out today. Therefore, not being able to afford much of a system, I would like all information possible on Apple][e or][c compatable computers. What do you think is the best buy for a 128k system stripped and not stripped (most of my hardware can be moved over).

Thanks in Advance,
John Langbein
(langbein@topaz)

********** *

From -2035119448850199940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3169d4b6dc1c7109,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-12 14:10:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!decwrl!pyramid!hplabs!tektronix!uw-beaver!ssc-vax!bcsaic!ted
From: ted@bcsaic.UUCP
Newsgroups: net.micro.apple
Subject: AE Timemaster Clock Card
Message-ID: <641@bcsaic.UUCP>
Date: Tue, 12-Aug-86 17:10:14 EDT
Article-I.D.: bcsaic.641
Posted: Tue Aug 12 17:10:14 1986
Date-Received: Thu, 14-Aug-86 18:43:01 EDT
Distribution: na
Organization: Boeing Computer Services AI Center, Seattle
Lines: 29

In March, 1986 I purchased an Applied Engineering Ramworks II 80-column expansion board for my Apple //e and the AE Timemaster HO II clock card. The cards both work very well, but one of the pieces of software that is supplied by AE with the clock card has been causing a problem. AE has a set of extensions to the ProDOS command set for the clock card. The program TPCE is invoked to activate these extensions. When I call the program from keyboard level everything works as advertised. When I call the TPCE program from a very small BASIC program in indirect mode the same is true. But when I insert the indirect call to TPCE into the ProDOS startup program, TPCE goes south, claiming that the buffer is full or that TPCE has already been installed. I called AE's tech support hotline, but they had never heard of this problem. I sent them a letter in April describing the exact problem and included a listing of the ProDOS startup program. I know a listing is not exactly machine readable. Sent them a second letter asking for a response in June. Now in August I have heard not a word from them, and it is impossible to get through on their hotline number. Two questions:

1) any suggestions as to what the problem is?

2) anyone else having problems with support from AE?

I don't consider the problem as a critical one, but would sure like to
hear from the AE folks, even if they can't reproduce the problem.

TJ {With Amazing Grace} The Piper
(aka Ted Jardine) CFI-ASME/I
Boeing Knowledge Based Systems Center
...uw-beaver!uw-june!bcsaic!ted

From 8696553245411411772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ab0b47e4d9fdc6ff
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-13 06:33:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Enhancement Questions
Message-ID: <1920@ecsvax.UUCP>
Date: Wed, 13-Aug-86 09:33:17 EDT
Article-I.D.: ecsvax.1920
Posted: Wed Aug 13 09:33:17 1986
Date-Received: Thu, 14-Aug-86 20:24:40 EDT
References: <513@dg_rtp.UUCP>
Organization: UNC Educational Computing Service
Lines: 48

>
> Okay, gang, a couple of questions about the IIe enhancement kit:
>
> My understanding is that I get
>
>   1) A new character generator ROM
>   2) A new CD ROM
>   3) A new EF ROM
>   4) A 65C02 CPU
>
> What are the differences between the old and new chargen ROMs? As far as
> I can tell (by working on both a IIe and a //c), the inverse uppercase
> letters have been replaced with mouse icons. Is this the only difference?
  The new chargen ROMs can generate upper and lower case characters in both
normal and inverse and can display mousetext, all can be mixed on the
screen at the same time.

>
> Is the 65C02 pin compatible with my current 6502? What new instructions
> do I get? Do I lose any? Where can I get a data sheet for the 65C02?
>

  You don't lose any instructions. You get several new, more efficient, instructions and addressing modes. BRA (Branch Always) is an example of a new instruction. You no longer have to set a status flag to branch. Data sheets are available in the IIc reference manual, from GTE, the Western Design Center and from Rockwell. The Rockwell chip has several nonstandard

instructions that are not on the other chips.
> Did the published entry points for monitor routines stay the same in
> the new ROMs? Are the new ROMs the cause of the longer interrupt
  Yes, the entry points are the same. The new ROMs bring back the mini assembler, add a search command , improve screen updating, do not shut off interrupts for long periods and allow interrupts with multiple banks of memory. The addition of the ability to interrupt with expanded memory causes the interrupt routine to be longer, but , if you can live with that the new ROMs are by far superior.

Rick Fincher
> handling times that was discussed here a couple of weeks ago?
>
>   Thanks,
>   Karl
>
> --
>
>   Karl M. Owen
>   Data General, RTP, NC
>   ...!seismo!mcnc!rti-sel!dg_rtp!owen

From 1779272242323803381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70fb50a9fca1a3a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-13 06:35:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: What Apple Boxes Run Appletalk?
Message-ID: <1921@ecsvax.UUCP>
Date: Wed, 13-Aug-86 09:35:41 EDT
Article-I.D.: ecsvax.1921
Posted: Wed Aug 13 09:35:41 1986
Date-Received: Thu, 14-Aug-86 20:25:20 EDT
References: <1266@dual.UUCP>
Organization: UNC Educational Computing Service
Lines: 5

> Does Appletalk run on other Apple micros?

  Right now, only on the Mac series and the IIc with the new ROMs but

a board for the IIe should be available soon.

From 8650615697991331906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ab0b47e4d9fdc6ff
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-13 18:46:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Enhancement Questions
Message-ID: <289@ski.UUCP>
Date: Wed, 13-Aug-86 21:46:07 EDT
Article-I.D.: ski.289
Posted: Wed Aug 13 21:46:07 1986
Date-Received: Thu, 14-Aug-86 21:43:58 EDT
References: <513@dg_rtp.UUCP>
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 68

> Okay, gang, a couple of questions about the IIe enhancement kit:
>
> My understanding is that I get
>
>   1) A new character generator ROM
>   2) A new CD ROM
>   3) A new EF ROM
>   4) A 65C02 CPU

True.

> What are the differences between the old and new chargen ROMs? As far as
> I can tell (by working on both a IIe and a //c), the inverse uppercase
> letters have been replaced with mouse icons. Is this the only difference?

Yes

> Is the 65C02 pin compatible with my current 6502? What new instructions
> do I get? Do I lose any? Where can I get a data sheet for the 65C02?

They are directly compatible, as long as you don't go back the other
way (6502 doesn't understand the new 65c02 instructions). One problem
in any case: the 6502 has a bug where addressing by JMP indirect
(code $6C) across a page boundary is incorrect ; instead of fetching the
high-byte from the next page, it fetches the high-byte FROM THE FIRST
BYTE OF THE SAME PAGE.
The 65c02 fixed this so it operates correctly. But, I am told,
some older software took the 6502 bug into account when writing the
software, and thus may work incorrectly with the 65c02 (Never program
taking "advantage" of a bug!).

The 65c02 has new modes: zero page indirect addressing,, and absolute
indexed indirect addressing (JMP instruction only). Nothing is lost.
The 65c02 data sheet is in the free Apple publication, "About Your
Enhanced Apple //e: Programmer's Guide", #030-1143-A. This NCR data
sheet is also in the new Apple //e Reference Manual, published by
Addison-Wesley, sold at bookstores.

> Did the published entry points for monitor routines stay the same in
> the new ROMs? Are the new ROMs the cause of the longer interrupt
> handling times that was discussed here a couple of weeks ago?
>
>   Thanks,
>   Karl
>   Karl M. Owen
>   Data General, RTP, NC
>   ...!seismo!mcnc!rti-sel!dg_rtp!owen

Most entry points stayed the same. Where they published sections were
moved, they left a JMP to the new address.
Yes, the new ROMS's are the cause of the longer interrupt times, due
to a much longer interrupt processor before it gets to the user. This
is to allow interrupts regardless of the state of the memory when the
interrupt occurred, such as being in aux memory, or bank-switched
memory. Under the old system, the RTI would crash because it didn't
know where it was if the interrupt came while in the "non-standard"
state.

--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -1433133812827595678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd2d424a5332d8b6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-14 05:33:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!nbires!hao!hplabs!hp-sdd!ncr-sd!ncrcae!ncsu!mcnc!ecsvax!
ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple Compatable Reviews Wanted
Message-ID: <1925@ecsvax.UUCP>
Date: Thu, 14-Aug-86 08:33:22 EDT
Article-I.D.: ecsvax.1925

Posted: Thu Aug 14 08:33:22 1986
Date-Received: Fri, 15-Aug-86 06:36:02 EDT
References: <5545@topaz.RUTGERS.EDU>
Organization: UNC Educational Computing Service
Lines: 37

>
> Being an owner of a][+ it is tought when I can't run appleworks or
> many other programs out today. Therefore, not being able to afford
> much of a system, I would like all information possible on Apple][e or
>][c compatable computers. What do you think is the best buy for a 128k
> system stripped and not stripped (most of my hardware can be moved
> over).

  I've used the Laser 128 and it is a very good machine for $395. It has
a built in drive and you can buy a IIc type cable for $20 from JDR Microdevices
to use with one of your existing drives. The Laser has everything the IIc
has plus IBM type RGB video, a parallel printer port, numeric keypad, and
an expansion slot that you can either plug a card into (for slot 7) or
an expansion box that gives you 2 slots (5 and 7) and its own power supply
, for $79.95. You can plug controller cards for 3.5 inch drives into the
slot, hard drive controllers, memory boards (Ramfactor and Sprintdisk work well)
, graphics tablet etc. There are only 3 drawbacks to the Laser that I know
of: 1. No clone is 100% compatible. 2. You have to use a controller card
to run 3.5 inch drives (the IIc lets you plug them in back). 3. The keyboard
is a little spongey. As far as compatibility goes, almost all Prodos programs
run on it. Applesoft programs run fine. Most games run fine. Some programs
that use illegal entry points (mostly older Dos 3.3 stuff) won't work.
Programs that do work are Appleworks, SuperCalc 3a, Dazzle Draw, Softerm II
, fantavision, etc., etc.
  The machine also has a few nice design features, a disk drive adjust
hole on the bottom, just put in copy II+ (comes with the machine) run the speed
test and put a screwdriver in the hole to adjust the speed. A door on the
bottom of the machine opens to let you change the ROM if an upgrade comes out
 ($25 for ROM upgrades). All in all it's a good way to upgrade if you are
short of cash. It has enough built in that you can sell your old system
minus your favorite boards and pay for it.

  With a new II comming out from Apple and a rumored trade in policy, you
may want to keep your II+ to take advantage of that, though.

Rick Fincher
  I've used the /

From 3503777175926841185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3169d4b6dc1c7109
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-15 09:44:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!decvax!mcnc!ecsvax!ranger

From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: AE Timemaster Clock Card
Message-ID: <1929@ecsvax.UUCP>
Date: Fri, 15-Aug-86 12:44:05 EDT
Article-I.D.: ecsvax.1929
Posted: Fri Aug 15 12:44:05 1986
Date-Received: Sat, 16-Aug-86 07:41:57 EDT
References: <641@bcsaic.UUCP>
Distribution: na
Organization: UNC Educational Computing Service
Lines: 13

> 1) any suggestions as to what the problem is?
>
> 2) anyone else having problems with support from AE?
>
It sounds like a glitch I've heard of in Prodos Basic. If you try to
BRUN things under Prodos you can have problems because Prodos keeps a
bitmap of used pages in memory. Under Basic everything is considered used
unless you bload your routines before you define any variables. You may
have to set HIMEM downward in a Prodos acceptable manner to get your binary
programs to load. Dos 3.3 didn't do this so it will probably run fine
under Dos 3.3.

Rick Fincher

From -7847640058523692783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-15 10:52:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!cbmvax!amiga!pyramid!decwrl!decvax!cwruecmp!endot!
weisfeld
From: weisfeld@endot.UUCP
Newsgroups: net.micro.apple
Subject: Apple //e dial-up to Unix.
Message-ID: <150@endot.UUCP>
Date: Fri, 15-Aug-86 13:52:54 EDT
Article-I.D.: endot.150
Posted: Fri Aug 15 13:52:54 1986
Date-Received: Tue, 19-Aug-86 07:46:44 EDT
Organization: ENDOT Inc., Cleveland, Ohio
Lines: 12

I have an Apple //e and would like to use it as a terminal so I can
dial-up to work. I have a modem that was hooked up to a VT100. I no longer
have the VT100 and would like to use the Apple. I was wondering if anyone
could suggest software that would allow the interface between the Apple
and Unix. I would want to have full screen capabilities for vi and the
like. I would appreciate any experiences (good or bad) that people have

run into and any recommendations.

Thanks

Matt Weisfeld
Endot Inc.

From -542365332033401726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,64f7cbd63b9c3920
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,64f7cbd63b9c3920
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-15 20:50:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!husc6!cmcl2!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: PCPI Applicard Tech Info
Message-ID: <1739@mmintl.UUCP>
Date: Fri, 15-Aug-86 23:50:56 EDT
Article-I.D.: mmintl.1739
Posted: Fri Aug 15 23:50:56 1986
Date-Received: Tue, 19-Aug-86 22:20:23 EDT
References: <1537@fritz.UUCP>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 33
Xref: mnetor net.micro.apple:1304 net.micro.cpm:2253

In article <1537@fritz.UUCP> jim@fritz.UUCP (Jim Gilbert) writes:
>
>
>I would like to obtain the following reference information for the PCPI
>Applicard Z-80 processor and the accompanying CP/M implementation.
>I think that Personal Computer Products Inc. was purchased by Micropro or
>went out of business.

Recently I called PCPI ((619)485-8411) and got lots of their BIOS info just
by talking to one of their tech support people. They are very helpful.
Their implementation of CP/M is much more elegant and customizable than that
of Microsoft. I know they're not out of business unless they are advertising
their new laser printer in PC Week for masochistic purposes only.

I'm looking for CP/M 3.0 or ZCPR3 for the Applicard. Does anyone know if
they are available?
                          Jeff
*

        ****
        *   Jeff Miller   *

```
        *       Multimate International Corp.           *
        *       52 Oakland Avenue                       *
        *       East Hartford, CT  06108-9911           *
        *       (203) 522-2116 x257                     *
        *  UUCP:                                        *
        * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
        *                                               *
 -->    * P.S. I can't *mail* to ARPA but I can receive *    <--
 -->    * from there.  News I *post* should get there.  *    <--
        ************************************************
(an Apple CP/M guy in a strange MS-DOS land)
*


From -2864826184618748156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,2f37f3eeda82b27b,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-16 12:15:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: More on Wanted: Kermit for the Apple][
Message-ID: <5574@topaz.RUTGERS.EDU>
Date: Sat, 16-Aug-86 15:15:24 EDT
Article-I.D.: topaz.5574
Posted: Sat Aug 16 15:15:24 1986
Date-Received: Sun, 17-Aug-86 10:25:03 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7
Keywords: More requests
Xref: watmath net.micro.apple:2997 net.wanted.sources:2659


I have recieved a lot of responses, but everyone who has responded
wants Kermit also. Now, on the assumption that I will post when I get
Apple Kermit, Will people who Have Apple kermit please respond, post
news, or perhaps post the source?
                  John Langbein
                  (langbein@topaz)


From 9216575513018687318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c767,9ec5519ecba69bca,start
X-Google-Attributes: gid12c767,public
X-Google-Thread: 1622d3,9ec5519ecba69bca,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,9ec5519ecba69bca,start
X-Google-Attributes: gid120a1f,public
```

X-Google-ArrivalTime: 1986-08-16 14:05:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.games.hack,net.wanted.sources,net.micro.apple
Subject: Wanted: Hack for the Apple
Message-ID: <5576@topaz.RUTGERS.EDU>
Date: Sat, 16-Aug-86 17:05:11 EDT
Article-I.D.: topaz.5576
Posted: Sat Aug 16 17:05:11 1986
Date-Received: Sun, 17-Aug-86 09:33:17 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 11
Keywords: Does it exist
Xref: watmath net.games.hack:2278 net.wanted.sources:2660 net.micro.apple:2999

I've enjoyed Hack on Unix, but is their Hack for the Apple 2? How can
I get it? Thanks in advance.

John Langbein
********** *
* * * John E. Langbein
* * *
****** * 45 Brinckerhoff Ave.
* * *
* * * Freehold, N.J. 07728
* **********
*** (langbein@topaz)

From -2812557195423694919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5ad1a6736f9e7e4a,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5ad1a6736f9e7e4a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,5ad1a6736f9e7e4a,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-08-16 14:25:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!sri-spam!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.wanted,net.micro
Subject: Wanted: Programs by Muse
Message-ID: <5577@topaz.RUTGERS.EDU>
Date: Sat, 16-Aug-86 17:25:55 EDT
Article-I.D.: topaz.5577
Posted: Sat Aug 16 17:25:55 1986
Date-Received: Sun, 17-Aug-86 09:34:34 EDT
Distribution: net
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 20
Keywords: Apple][again

Xref: watmath net.micro.apple:3000 net.wanted:9430 net.micro:15371

Sorry to be repetative, but I must ask again. Does anyone out their
have a copy of:
         The Adress Book
         Form Letter Module
For the Apple? I did recieve a reply from someone in Canada who said
they had it (B.C. i believe), but haven't heard from them since. So,
if you have it, or you are that person who I replied to in Canada
(maybe a lost letter), please reply now.
              Thanks in advance,
                   John Langbein

==
*********** *
    *   *   John Langbein
    *   *   45 Brinckerhoff Ave.
    ****** *   Freehold, N.J. 07728
    *   *   (caip!topaz!langbein)
    *   *   (langbein@topaz)
*   *****************
 ***   Phone # coming soon!

From 6222267494170361021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70fb50a9fca1a3a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-16 16:10:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Re: What Apple Boxes Run Appletalk?
Message-ID: <5580@topaz.RUTGERS.EDU>
Date: Sat, 16-Aug-86 19:10:16 EDT
Article-I.D.: topaz.5580
Posted: Sat Aug 16 19:10:16 1986
Date-Received: Sun, 17-Aug-86 09:38:07 EDT
References: <1266@dual.UUCP>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 14
Keywords: Besides the Macintosh...
Summary: Not yet...

In article <1266@dual.UUCP>, joe@dual.UUCP (Joe Weinstein) writes:
> Does Appletalk run on other Apple micros?

Not yet, but the Infamous Apple][GS or whatever they're going to call
it, it is supposed to have an Appletalk port built in. Lisa's do
connect, but I think it has to emulate Mac to work (Not sure though
because it's the only way we use Lisa's here right now). IBM's connect

throgh PC Bridge.
     I would like to note I asked this question before (for the Apple][). I do believe that in the near future either Apple (or an outside vendor) will make a card to connect the Apple][line to AppleTalk. Look for Apple's Official new product's announcement due in within a month or two.(October at the latest)
                  John Langbein
                  (langbein@topaz)

From -5345869767318411360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-18 05:56:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!whuxcc!lcuxlm!akgua!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <1937@ecsvax.UUCP>
Date: Mon, 18-Aug-86 08:56:15 EDT
Article-I.D.: ecsvax.1937
Posted: Mon Aug 18 08:56:15 1986
Date-Received: Wed, 20-Aug-86 05:05:36 EDT
References: <150@endot.UUCP>
Organization: UNC Educational Computing Service
Lines: 24

> I have an Apple //e and would like to use it as a terminal so I can
> dial-up to work. I have a modem that was hooked up to a VT100. I no longer
> have the VT100 and would like to use the Apple. I was wondering if anyone
> could suggest software that would allow the interface between the Apple
> and Unix. I would want to have full screen capabilities for vi and the
> like. I would appreciate any experiences (good or bad) that people have
> run into and any recommendations.
>
Softerm II from Softronics is a very good package for the Apple IIe. Be sure to get the IIe IIc version. It emulates about 25 different terminals including the DEC VT 52 and VT100. I have used it with a VAX running bith unix and VMS with the VT100 emulation. I have also used it as a Televideo 925 on an IBM 4341 under VM/CMS through a 7171 protocol converter. The terminal emulations seem to be flawless. Softronics is working on a new version available "real soon now" that will run under Prodos and have Kermit, including the server mode. You can get this package for about 120 dollars mail order. It can transfer Dos 3.3, Pascal and CPM files with Xmodem and its own protocol, which they give you the fortran 77 source code for uploading to your mainframe or mini. It comes with a small keypad to help generate the function keys of your terminal and also lets you redefine the keyboard and write macros. It also has an autodial phone book for several different types of modems.

Rick Fincher

From -353226244898077048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,2f37f3eeda82b27b
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-18 09:56:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: More on Wanted: Kermit for the Apple][
Message-ID: <2960@columbia.UUCP>
Date: Mon, 18-Aug-86 12:56:42 EDT
Article-I.D.: columbia.2960
Posted: Mon Aug 18 12:56:42 1986
Date-Received: Tue, 19-Aug-86 19:39:23 EDT
References: <5574@topaz.RUTGERS.EDU>
Sender: nobody@columbia.UUCP
Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Organization: Columbia University Computer Science Department
Lines: 4
Summary: where to get it
Xref: mnetor net.micro.apple:1303 net.wanted.sources:2177

The person who maintains Apple][Kermit is Peter Trei. Send him
mail at oc.trei@cu20b.columbia.edu

Nat Polish@cs.columbia.edu

From -2080691937231950424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1dca6ac5021cb86a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-18 14:11:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!
barresi@nymgr.dec.com
From: barresi@nymgr.dec.com
Newsgroups: net.micro.apple
Subject: Terminal Programs for Apple //
Message-ID: <4861@decwrl.DEC.COM>
Date: Mon, 18-Aug-86 17:11:19 EDT
Article-I.D.: decwrl.4861
Posted: Mon Aug 18 17:11:19 1986
Date-Received: Wed, 20-Aug-86 05:03:43 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation

Lines: 13

For the two of you that had questions on apple terminal programs, I tend to disagree with ASCII EXPRESS... I had it for awhile and was NEVER able to get it to work in VT52 mode let alone VT100 mode... I did discover a program called SOFTERM II which emulates a VT52/100 EXACTLY!!!!! It works great and has been for over a year. I use it to dial into a VAX and NEVER had a problem. As for themodems I have APPLECAT II with a 212 card. Works great bu doesn't emulate the so
HAYES standard... I dont know about the 2400 upgrade as i haven't heard of it. Amuch better buy if u want HAYES compatibility is a PROMETHEUS.. Oh by the way SOFTERM II also uses XMODEM protocol. While I'm here are there any rumors on theAPPLE //GS???? Love to know since if its to $$$ I'll just build an IBM (ouch!)

Later

Joe Craparotta

The above views are mine alone and I have no affiliation with the above company's...but i wouldn't mind if the send me some stuff for free........

From 7970093891878138399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-19 07:30:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <2967@columbia.UUCP>
Date: Tue, 19-Aug-86 10:30:13 EDT
Article-I.D.: columbia.2967
Posted: Tue Aug 19 10:30:13 1986
Date-Received: Wed, 20-Aug-86 08:12:19 EDT
References: <150@endot.UUCP>
Sender: nobody@columbia.UUCP
Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Organization: Columbia University Computer Science Department
Lines: 9

Kermit will work fine to a UNIX system. You will, however, find a few problems. In 40 (ugh) col mode the Apple //e can just about keep up with a scrolling screen. In 80 col mode the Apple is so slow (swaping banks on each character) that the people who did Apple Kermit were looking into special scroll methods like scrolling all the odd columns then all the even columns. Even this was slow so you may have to change the /etc/termcaps entry on the UNIX system to give it the timing info.

Nat Polish@cs.columbia.edu

From 6339618503065285888
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c767,9ec5519ecba69bca
X-Google-Attributes: gid12c767,public
X-Google-Thread: 1622d3,9ec5519ecba69bca
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,9ec5519ecba69bca
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-19 12:04:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!caip!paone
From: paone@caip.RUTGERS.EDU (Phil Paone)
Newsgroups: net.games.hack,net.wanted.sources,net.micro.apple
Subject: Re: Wanted: Hack for the Apple
Message-ID: <3092@caip.RUTGERS.EDU>
Date: Tue, 19-Aug-86 15:04:54 EDT
Article-I.D.: caip.3092
Posted: Tue Aug 19 15:04:54 1986
Date-Received: Wed, 20-Aug-86 22:47:44 EDT
References: <5576@topaz.RUTGERS.EDU>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7
Keywords: Does it exist
Xref: mnetor net.games.hack:2026 net.wanted.sources:2186 net.micro.apple:1310

Hack cannot be played on a apple due to the small amount of memory. In
addition, I don't even believe that an apple disk could hold the
entire executable. I think 512k is the absolute minimum for the game.
You might try rogue which will fit on an apple.

Phil Paone

From -9189794893442041261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1a509f77371a400e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,1a509f77371a400e,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-19 12:09:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Apple Kermit v2.1?
Message-ID: <5585@topaz.RUTGERS.EDU>
Date: Tue, 19-Aug-86 15:09:04 EDT
Article-I.D.: topaz.5585
Posted: Tue Aug 19 15:09:04 1986
Date-Received: Wed, 20-Aug-86 08:34:01 EDT
Organization: Rutgers Univ., New Brunswick, N.J.

Lines: 11
Keywords: so far
Xref: mnetor net.micro.apple:1308 net.wanted.sources:2183

I have obtained Apple Kermit v2.1 so far, and it is in 7 files. I will
wait until I test it to see if that is what it actually is and as to
wait to see if anyone has a more update version. Keep tuned to
net.micro.apple for when it is to be distributed to those who have
requested it.

John Langbein
(langbein@topaz)

NOTE: ARPA People PLEASE give a return path that will work. Otherwise,
I can't send it to you (Courtesy Arpa priv's restrictions aka none).

From 2331692181760727666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,429f186b044fd286,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-20 10:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!wisdom.BITNET!eitans
From: eitans@wisdom.BITNET (Eitan Shternbaum)
Newsgroups: net.micro.apple
Subject: graphics & sound expention
Message-ID: <8608201750.AA02753@ucbvax.Berkeley.EDU>
Date: Wed, 20-Aug-86 13:51:00 EDT
Article-I.D.: ucbvax.8608201750.AA02753
Posted: Wed Aug 20 13:51:00 1986
Date-Received: Thu, 21-Aug-86 01:36:21 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of California at Berkeley
Lines: 25

Newsgroups: net.micro.apple
Subject: graphics & sound expention
Expires:
References:
Sender:
Reply-To: eitans@wisdom.UUCP (Eitan Shternbaum)
Followup-To:
Distribution:
Organization: Weizman Institute of Science, Dept. of Mathematics
Keywords:

hi ,
  i'm searching for a card for expending the music and graphics
  abilities of my apple II+ .
  in music : adding more music channels,volume control,sound effect
             generator ...
  in graphics : sprites instead of the apple shapes .

i've heard about about two cards : supersprite,arcade machine board .
are they anygood ? could the apple speaker be programed to imitate
the above abilities (volume,more channels,effects) ?
how much do they coast and what companies produce them ?
thanx
Eitan.
p.s e-mail only ! to - nystern@weizmann.BITNET
eitans@wisdom.BITNET

From 2450428382071066728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-20 17:12:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsri.UUCP
Path: utzoo!utcsri!greg
From: greg@utcsri.UUCP (Gregory Smith)
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disks
Message-ID: <3277@utcsri.UUCP>
Date: Wed, 20-Aug-86 20:12:03 EDT
Article-I.D.: utcsri.3277
Posted: Wed Aug 20 20:12:03 1986
Date-Received: Wed, 20-Aug-86 20:24:16 EDT
References: <283@ski.UUCP> <2245@brl-smoke.ARPA> <5517@topaz.RUTGERS.EDU>
Reply-To: greg@utcsri.UUCP (Gregory Smith)
Organization: CSRI, University of Toronto
Lines: 31
Summary:

In article <5517@topaz.RUTGERS.EDU> langbein@topaz.RUTGERS.EDU (John E. Langbein)
writes:
>To Spin a Disk Backwards means you flip the Floppy over to the other
>side. Apple drives don't use the guide hole.
> John

Yes. Hmm. I know of a couple of problems with this:

(1) In normal use, a floppy turns in one direction only, causing any dust
 in the jacket to get caught in the lining. If you flip the disk, the
 dust is drawn out again by the opposite rotation.

(2) In a real double-sided system, the tracks on one side are offset by
 half a track from the tracks on the other side, so when a track is written
 on side A it falls halfway between two tracks on side B. This is done so
 that the write operation will not weaken the recording on the opposite side.
 Obviously this does not happen when you flip your disk. This would not
 be a problem for disks which are rarely (or never) written - e.g. most games.

I should add (3) most people do this with SS certified disks, but obviously
they deserve their disk errors which are surprisingly rare.

Point (1) can be minimized by being very careful about dust, which of
course is a good idea anyway. Still, I know several people with large
collections of games on 'flipped' disks, many of which 'used to work'.

--
"You'll need more than a Tylenol if you don't tell me where my father is!"
                            - The Ice Pirates

Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg

From -3501010101352488363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-20 17:43:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!husc6!harvard!panda!genrad!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Re: More on Wanted: Kermit for the Apple][
Message-ID: <2977@mit-eddie.MIT.EDU>
Date: Wed, 20-Aug-86 20:43:26 EDT
Article-I.D.: mit-eddi.2977
Posted: Wed Aug 20 20:43:26 1986
Date-Received: Thu, 21-Aug-86 04:41:59 EDT
References: <5574@topaz.RUTGERS.EDU>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 23
Keywords: I've got it

>I have recieved a lot of responses, but everyone who has responded
>wants Kermit also. Now, on the assumption that I will post when I get
>Apple Kermit, Will people who Have Apple kermit please respond, post
>news, or perhaps post the source?
>   John Langbein
>   (langbein@topaz)

   I've got "Stevens/CU Kermit-65" under both ProDOS and DOS 3.3. I
can't seem to get either to work with lowercase (I have a II+ with shift
mod), but everything else seems to work fine. I will try to upload it
to mit-eddie at M.I.T., where someone else will hopefully be able to
pick it up and deliver it elsewhere. I simply haven't got the time to
distribute it to all the Kermit Seekers who will probably reespond to
this. If you are in desparate need of Kermit, mail me a diskette to
the US address belo, else wait until I upload it for those to FTP over
and take it (I will post a notice when it'sready).

Hacking Muppets for distribution,
Andrew Moore

arpa MOORE%MIT-EECS@MIT-MC.ARPA
uucp ...mit-eddie!moore
 tel 617/479-9208 BBS Sat-Sun 3/12/2400 (laptop support & more)
  us Box 121, North Quincy, MA 02171

From -5622688880483853225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2625beec1fd7e287,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-21 10:41:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!sri-spam!parcvax!hplabs!tektronix!tekgen!
tekred!mikec
From: mikec@tekred.UUCP (Mike Combs)
Newsgroups: net.micro.apple
Subject: Re: questions
Message-ID: <691@tekred.UUCP>
Date: Thu, 21-Aug-86 13:41:11 EDT
Article-I.D.: tekred.691
Posted: Thu Aug 21 13:41:11 1986
Date-Received: Sun, 24-Aug-86 20:41:11 EDT
References: <860@drutx.UUCP>
Reply-To: mikec@tekred.UUCP (Mike Combs)
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 34
Keywords: communications, modem, upgrade

The Apple //e enhancement kit includes new roms, a new character set, and the 65c02 processor. All newer Apple //e's now being sold have this built in. Features in the new roms include: support for the mini-assembler, enhanced disassembler for 65c02 opcodes, an enhanced monitor, and 'fixed' basic commands for tabbing out past column 40 with the 80 column card. The new character set is made up of icons, such as Apples, check marks, and parts to draw windows with. This may cause some incompatibility with older software; SOME inverse upper case displays may wind up looking like icons.

The best terminal program depends on what you want to do with it. I prefer Softerm2 over Ascii Express Pro because it supports a wider variety of modems and interface cards. It can handle up to 9600 baud. It has a more capable macros, for automatic logins and downloading, etc. It emulates more terminals. It can read CP/M and Pascal formatted disks and transfer those files. These are all things AE Pro cannot do as well, or at all. It is from Softronix, about $195. It runs under DOS 3.3. (Though it can transfer ProDOS files as well.)

Ascii Pro is less expensive, and is handy if you don't need the extra features. It is also designed for and good at running unattended as a BBS or something so people can call your computer and download files from you. It runs under ProDOS.

I find that most AE Pro users just never heard of Softerm2 before they bought.

To my knowledge, there are no other terminal programs that even come close
to these two in features. Both of these use the xmodem protocol.

Kermit can be found on GEnie for the Apple //.

Hope this helps...mac

Mike A. Combs   "Specialization is for insects." - R.A. Heinlein

From -4975161823159255068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13d2be258de00b3e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-21 21:51:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.ucsd.EDU (James Hayes)
Newsgroups: net.micro.apple
Subject: DCOM 3.x & The US Postal Service
Message-ID: <2828@sdcc6.ucsd.EDU>
Date: Fri, 22-Aug-86 00:51:03 EDT
Article-I.D.: sdcc6.2828
Posted: Fri Aug 22 00:51:03 1986
Date-Received: Fri, 22-Aug-86 20:47:00 EDT
Organization: UC San Diego EE/CS Department.
Lines: 31

For those who sent anything to my US P.O. box in response to my VT100
emulator for the Apple please read:

Well, courtesy of the US Postal Service, my P.O. box has temporarily
been "disconnected" from the world.

My mail stopped being forwarded from San Diego to LA and was stamped
"no forwarding address given" WHY I DON'T KNOW.

Well, if this happened to you, use this address:

New: Jim Hayes
     5026 Blackhorse Rd
     Rancho Palos Verdes
     CA 90274

Old: P.O. Box 221044
     University City CA
     92122-1044

I am calling them tomorrow (Friday--21-Aug) to figure out what
happend to the box. (I'm in LA for the summer and had the stuff

forwarded. All of the sudden, it stopped.)

Sorry for the problem. I'll get it fixed ASAP

-Jim Hayes
ARPA: hayes@UCSD.EDU
UUCP: {insert your favorite USENET backbone here}!sdcsvax!hayes

From -95679148971129066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e9c1e138253dae23,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-22 06:34:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!nbires!hao!noao!hsi!archer
From: archer@hsi.UUCP (Yrrag Rehcra)
Newsgroups: net.micro.apple
Subject: ProDOS and AppleWorks Versions Query.
Message-ID: <411@hsi.UUCP>
Date: Fri, 22-Aug-86 09:34:21 EDT
Article-I.D.: hsi.411
Posted: Fri Aug 22 09:34:21 1986
Date-Received: Sat, 23-Aug-86 11:09:15 EDT
Distribution: net
Organization: Health Systems Int., New Haven, CT.
Lines: 45

Munch, munch, munch<<<S LINE WITH YOUR MESSAGE ***
Burp...

I bought my Apple IIc in May 1984. It came with ProDOS version 1.0.2. I bought AppleWorks in August 1984 and that is version 1.1 and it came with ProDOS version 1.0.1.

I'm considering obtaining the latest versions of ProDOS and AppleWorks and I know that I shall have to visit my friendly neighbourhood authorised Apple dealer to do this (or do I?). So, before I bother, I would ask you fellow Apple fans out there the following:

1) What are the latest versions of ProDOS and AppleWorks?
2) What are the differences between the latest versions of ProDOS and AppleWorks from my versions described above? (Incidentally, I haven't noticed ANY difference between ProDOS 1.0.1 and 1.0.2, although I just KNOW there has to be something major/better/faster to warrant a new version!)
3) Do I really need to bother getting the latest versions, are they so vastly different that my Apple IIc won't survive without them? (What it has never had, it will never miss, right? Although it is nice to say that "I have the latest blah-blah-blah".)
4) What is the cost of version up-grades? I thought I read somewhere that it is for free, although I could be wrong, 'cus I believe you can't get something for nothing (why do I forget these minor details?!?!?).

5) Have you any experiences (good/bad/indifferent) with Apple dealers and
   software version up-grades?

I'm highly tempted to buy Beagle Bros. new MacroWorks package that is
another AppleWorks add-on. It has received extremely good press and seems
like the must thing to get if you use AppleWorks. I thought that if I do
buy it (of course I WILL...) then I'd like to match it with the latest
version of AppleWorks. And while I'm about it, why not ProDOS too?

By the way, has anyone out there used MacroWorks yet? Do you like it?

Thanks for your time, and thanks in advance for any help.

--

         Garry Archer Esq.   ihnp4!hsi!archer
         Health Systems International
         New Haven, CT 06511
         USA

From 3242463127914157376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef671ae068e253b7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-22 06:59:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!nbires!hao!noao!hsi!archer
From: archer@hsi.UUCP (Yrrag Rehcra)
Newsgroups: net.micro.apple
Subject: DAK modem query.
Message-ID: <412@hsi.UUCP>
Date: Fri, 22-Aug-86 09:59:42 EDT
Article-I.D.: hsi.412
Posted: Fri Aug 22 09:59:42 1986
Date-Received: Sat, 23-Aug-86 11:09:33 EDT
Distribution: net
Organization: Health Systems Int., New Haven, CT.
Lines: 39

Munch, munch, munch<<<ACE THIS LINE WITH YOUR MESSAGE ***
Burp...

After reading MANY postings about modems and terminal emulation software, I
am closer to deciding what I want as far as a modem and terminal emulator
are concerned.

Firstly, cost has been a major problem, but somewhere, sometime I have to
bite the bullet and hook up my 1984 Apple IIc to the telephone (yes, folks,
I'm gonna have to go to the dealer with my "antique" IIc to have the timing
crystal replaced -or whatever that causes telecommunications problems on the
old IIc's, ie pre 1985). But I've decided that, although more expensive

than some, Softerm II seems like the way to go to successfully emulate VT100 running "vi" on a UNIX system. There goes $120 - $130 (mail order) for that. I thank all you net-posters for helping me make that decision!

However, I can't decide on the hardware. Again, cost is a major factor. I've read about ADC's new Hayes compatible 1200 baud modem from DAK Industries Incorporated at $169. Considering the cost of Hayes modems, $169 may not be too bad. Has any one used or seen an ADC 1200 baud modem used on Apple IIe/IIc's? The advertising seems very impressive, but I'd like to survey actual users first!

An alternative is to save my pocket - or rather my VISA card - and use my Apple Credit card, which is ITCHING to be used since I zeroed my account over a year ago. This of course entails buying only Apple products. Has ANYONE out in net-land ever succesfully emulated a VT100 terminal running "vi" on a UNIX system using Apple only software and modem? (Especially the modem because I think I will eventually get Softerm II.)

Thanks in advance for any help.

--

Garry Archer Esq. ihnp4!hsi!archer
Health Systems International
New Haven, CT 06511
USA

From 2115959674802613182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5d4d76b69657e93
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-22 15:51:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Re: Apple //e dial-up to Unix.
Message-ID: <621@noscvax.UUCP>
Date: Fri, 22-Aug-86 18:51:31 EDT
Article-I.D.: noscvax.621
Posted: Fri Aug 22 18:51:31 1986
Date-Received: Fri, 22-Aug-86 23:47:48 EDT
References: <150@endot.UUCP> <1937@ecsvax.UUCP>
Reply-To: medin@cod.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 12
Keywords: kermit

In article <1937@ecsvax.UUCP> ranger@ecsvax.UUCP (Rick N. Fincher) writes:
>> I have an Apple //e and would like to use it as a terminal so I can
>> dial-up to work. I have a modem that was hooked up to a VT100. I no longer

>> have the VT100 and would like to use the Apple. I was wondering if anyone
>> could suggest software that would allow the interface between the Apple
>> and Unix. I would want to have full screen capabilities for vi and the
>> like. I would appreciate any experiences (good or bad) that people have
>> run into and any recommendations.
>>

 Kermit will emulate a vt52 and the price is right. I use it all the time
to our unix systems. Running vi jove etc.

From -948028473469503318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,2f37f3eeda82b27b
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-22 17:48:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5 (Ben Cranston)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: More on Wanted: Kermit for the Apple][
Message-ID: <1188@umd5>
Date: Fri, 22-Aug-86 20:48:04 EDT
Article-I.D.: umd5.1188
Posted: Fri Aug 22 20:48:04 1986
Date-Received: Fri, 22-Aug-86 23:50:15 EDT
References: <5574@topaz.RUTGERS.EDU>
Reply-To: zben@umd5.umd.edu (Ben Cranston)
Organization: University of Maryland, College Park
Lines: 27
Keywords: More requests
Summary: I have one (and I have a bad feeling about admitting it)
Xref: mnetor net.micro.apple:1319 net.wanted.sources:2195

In article <5574@topaz.RUTGERS.EDU> langbein@topaz.RUTGERS.EDU
   (John E. Langbein) writes:

> I have recieved a lot of responses, but everyone who has responded
> wants Kermit also. Now, on the assumption that I will post when I get
> Apple Kermit, Will people who Have Apple kermit please respond, post
> news, or perhaps post the source?

I have one that seems to work. It is the original Wisconsin version as
modified by SERDAC and is combination Applesoft Basic and Assembly code.
But, I don't want to become a disk copying operation. And I don't see
what good posting the sources would be if one doesn't have the Kermit to
download them with!!!

If John could be persuaded to organize a distribution tree, with each
person willing to copy a disk and xerox about 25 pages of documentation,
I could probably be persuaded to mail out a few copies...

Ben Cranston
Systems Group
Computer Science Center   (this is important)
The University of Maryland
College Park, MD, 20742
--
                    umd5.UUCP   <= {seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben
Ben Cranston zben @ umd2.UMD.EDU   Kingdom of Merryland Sperrows 1100/92
                    umd2.BITNET   "via HASP with RSCS"

From 7889217710123438678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,2f37f3eeda82b27b
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-22 17:55:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5 (Ben Cranston)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: More on Wanted: Kermit for the Apple][
Message-ID: <1189@umd5>
Date: Fri, 22-Aug-86 20:55:53 EDT
Article-I.D.: umd5.1189
Posted: Fri Aug 22 20:55:53 1986
Date-Received: Fri, 22-Aug-86 23:51:17 EDT
References: <5574@topaz.RUTGERS.EDU> <1188@umd5>
Reply-To: zben@umd5.umd.edu (Ben Cranston)
Organization: University of Maryland, College Park
Lines: 20
Keywords: More requests
Summary: A little more info
Xref: mnetor net.micro.apple:1320 net.wanted.sources:2196

In article <1188@umd5> zben@umd5.umd.edu (Ben Cranston) writes:

> I have one that seems to work. It is the original Wisconsin version as
> modified by SERDAC and is combination Applesoft Basic and Assembly code.

I need to learn to finish reading the group before I post. It may be that
other versions are more up-to-date, the documentation on the one I have is
July 1985. It claims to work with the following cards:

Hayes Micromodem II
Apple Super Serial Card
Cal Comp Sys 7710-D Serial Card
Apple Communications Serial Card
Novation Apple Cat Modem

I can vouch for Apple Super Serial and Cal Comp cards from personal use.

--
                    umd5.UUCP   <= {seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben
Ben Cranston zben @ umd2.UMD.EDU   Kingdom of Merryland Sperrows 1100/92
                    umd2.BITNET   "via HASP with RSCS"

From 3775883947893364089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-22 20:55:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ll-xn!mit-amt!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Wanted: RAM card
Message-ID: <2995@mit-eddie.MIT.EDU>
Date: Fri, 22-Aug-86 23:55:31 EDT
Article-I.D.: mit-eddi.2995
Posted: Fri Aug 22 23:55:31 1986
Date-Received: Sat, 23-Aug-86 02:54:34 EDT
References: <5574@topaz.RUTGERS.EDU> <2977@mit-eddie.MIT.EDU>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 14

Keywords:

I'm in need of a RAM card for the Apple II+ (such as a Titan or Saturn
compatible), preferably 64K or greater, used, and cheap. I need the
extra space for an AppleWorks desktop. Please don't reply telling me
about the BigBoard from Jameco (the 1 megabyte card); I know of it
already, but I can't fork up $200.

Hacking more memory for fewer bucks,
Andrew Moore
arpa MOORE%MIT-EECS@MIT-MC.ARPA
uucp ...mit-eddie!moore
 tel 617/479-9208 BBS Sat-Sun 3/12/2400 (laptop support & more)
  us Box 121, North Quincy, MA 02171

From 6579364263502500115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b0da9e324d0bd49b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-23 19:22:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)

Newsgroups: net.micro.apple
Subject: Apple terminal programs (etc)
Message-ID: <2982@columbia.UUCP>
Date: Sat, 23-Aug-86 22:22:06 EDT
Article-I.D.: columbia.2982
Posted: Sat Aug 23 22:22:06 1986
Date-Received: Sat, 23-Aug-86 23:44:34 EDT
Sender: nobody@columbia.UUCP
Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Distribution: net
Organization: Columbia University Computer Science Department
Lines: 16

I must admit that I am a little mystified by this discussion of emulation stuff for the Apple. Kermit makes a very nice VT52 emulator -- for free. The only problem with Kermit is that the file transfer is a bit slow but for the price, who cares. Further, UNIX systems support lots of dumb terminals. The Apple is quite hard pressed to do full VT100 emulation so why not go with something more modest? Like VT52. Also, if you are going to spend more than $200 for a program, don't do it, buy a cheap terminal instead and use Kermit for file transfer.

Also, sorry if I only included ARPA addresses before. My address is ...seismo!columbia!lexington!polish. To reach Peter Trei (mother of Apple Kermit) try seismo!columbia!cu20b!oc.trei (not absolutely sure of this one).

Nat Polish@cs.columbia.edu (ARPAnet)

From -2704026943546377761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,383fe92062d3d89a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-24 13:31:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!caip!clyde!cbatt!cbosgd!ucbvax!WEIZMANN.BITNET!NYSTERN
From: NYSTERN@WEIZMANN.BITNET (speedy gonzales)
Newsgroups: net.micro.apple
Subject: help
Message-ID: <8608242031.AA00280@ucbvax.Berkeley.EDU>
Date: Sun, 24-Aug-86 16:31:32 EDT
Article-I.D.: ucbvax.8608242031.AA00280
Posted: Sun Aug 24 16:31:32 1986
Date-Received: Tue, 26-Aug-86 04:55:16 EDT
Sender: daemon@ucbvax.BERKELEY.EDU
Organization: University of California at Berkeley
Lines: 6

does any if you know if there's a card that adds graphic & sound capabilities to the apple II(e,+) ?

if you know please send me e-mail about the card (producing company, price
, abilities) also any comment about producing such machine language subroutin
would be accepted .
bye and thanx

From -8887483123479477696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,867666ff076fcb5e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-24 13:45:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!caip!clyde!cbatt!cbosgd!ihnp4!ihdev!rwk
From: rwk@ihdev.UUCP (R. W. Knowles)
Newsgroups: net.micro.apple
Subject: Golf Score Program Wanted
Message-ID: <784@ihdev.UUCP>
Date: Sun, 24-Aug-86 16:45:07 EDT
Article-I.D.: ihdev.784
Posted: Sun Aug 24 16:45:07 1986
Date-Received: Tue, 26-Aug-86 03:02:32 EDT
Reply-To: rwk@ihdev.UUCP (55224-R. W. Knowles)
Organization: AT&T Bell Laboratories
Lines: 12

I have recently taken up the game of golf again and have been
wondering if anyone is aware of a program that takes as input
the par for a course and the score (number of putts, sand/rough,
fairway, etc) for each time you have played the course, and
provides an analysis of how you are doing?

If anyone has any public domain software, or recommendations
on a commercial product I would appreciate hearing from you.

Bob Knowles
ihdev!rwk

From -8531868323951654159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c767,9ec5519ecba69bca
X-Google-Attributes: gid12c767,public
X-Google-Thread: 1622d3,9ec5519ecba69bca
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,9ec5519ecba69bca
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-24 20:45:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!husc6!bu-cs!bucsb.bu.edu!ilacqua
From: ilacqua@bucsb.bu.edu.UUCP
Newsgroups: net.games.hack,net.wanted.sources,net.micro.apple
Subject: Re: Wanted: Hack for the Apple

Message-ID: <448@bucsb.bu.edu.UUCP>
Date: Sun, 24-Aug-86 23:45:18 EDT
Article-I.D.: bucsb.448
Posted: Sun Aug 24 23:45:18 1986
Date-Received: Mon, 25-Aug-86 05:45:31 EDT
References: <5576@topaz.RUTGERS.EDU> <3092@caip.RUTGERS.EDU>
Reply-To: ilacqua@bucsb.bu.edu.UUCP (Joseph Ilacqua)
Organization: U.N.C.L.E
Lines: 19
Keywords: Does it exist
Xref: mnetor net.games.hack:2044 net.wanted.sources:2203 net.micro.apple:1327

In article <3092@caip.RUTGERS.EDU> paone@caip.RUTGERS.EDU (Phil Paone) writes:
>
>Hack cannot be played on a apple due to the small amount of memory. In
>addition, I don't even believe that an apple disk could hold the
>entire executable. I think 512k is the absolute minimum for the game.
>You might try rogue which will fit on an apple.

     It could be done, Apple now has a 800k disk drive for the II's
and you can have 512k easly eunf.

--

+---+
| See these eyes so green? I can stare for a thousand years... |
|UUCP: ...!harvard!bu-cs!bucsb!ilacqua |
|ARPANET: ilacqua@bucsb.bu.edu |
|CSNET: ilacqua%bucsb@bu-cs   BITNET: engemnc@bostonu |
+---+

From 1325723729455676175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-25 17:11:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!husc6!bu-cs!bucsb.bu.edu!ilacqua
From: ilacqua@bucsb.bu.edu.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disks
Message-ID: <451@bucsb.bu.edu.UUCP>
Date: Mon, 25-Aug-86 20:11:23 EDT
Article-I.D.: bucsb.451
Posted: Mon Aug 25 20:11:23 1986
Date-Received: Tue, 26-Aug-86 00:40:19 EDT
References: <283@ski.UUCP> <2245@brl-smoke.ARPA> <5517@topaz.RUTGERS.EDU>
<3277@utcsri.UUCP>
Reply-To: ilacqua@bucsb.bu.edu.UUCP (Joseph Ilacqua)
Organization: U.N.C.L.E
Lines: 17

In article <3277@utcsri.UUCP> greg@utcsri.UUCP (Gregory Smith) writes:

>I should add (3) most people do this with SS certified disks, but obviously
>they deserve their disk errors which are surprisingly rare.

     IBM SS drives read and write the top of the disk while apple
drives read and write the bottom so, how can there be "SS certified
disk?"

--

+---+
| See these eyes so green? I can stare for a thousand years... |
|UUCP: ...!harvard!bu-cs!bucsb!ilacqua |
|ARPANET: ilacqua@bucsb.bu.edu |
|CSNET: ilacqua%bucsb@bu-cs   BITNET: engemnc@bostonu |
+---+

From 736801204662017517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,516bd260258c0d23,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-26 08:14:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!burl!ulysses!bellcore!petrus!magic!joevax!sdh
From: sdh@joevax.UUCP (The Doctor)
Newsgroups: net.micro.apple
Subject: Complex Sound w/o extra hardware
Message-ID: <257@joevax.UUCP>
Date: Tue, 26-Aug-86 11:14:43 EDT
Article-I.D.: joevax.257
Posted: Tue Aug 26 11:14:43 1986
Date-Received: Wed, 27-Aug-86 20:32:44 EDT
Distribution: net
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 193

There have been a few postings recently from people asking questions about
how to get good sound from the Apple (with peripherals), so I'm posting
a few 6502 sources for producing sound from the Apple's speaker and getting
quality beyond what one would think possible.

The traditional way of doing sound routines on the apple is to take the
point of view, All I have to do is write a loop that clicks the speaker,
and does a delay. The number of times through the loop is the duration,
and the delay will generate the frequency.
Such a routine looks like this:

```
SPKR .EQ $C030
FREQ .EQ $00
```

```
DUR  .EQ $01
SOUND    BIT $C030 ; CLICK SPEAKER, BIT DOESN'T ALTER REGISTERS
     LDA FREQ
     LSR        ; PUT FREQ/2 IN X
     TAX
.1   LDY FREQ  ; PUT FREQ IN Y
.2   DEY    ; DECREMENT Y UNTIL ITS ZERO
     BNE .2
     DEX    ; DO THE SAME FOR X
     BNE .1
     DEC DUR
     BNE SOUND
     RTS
```

A very simple routine, and very useable, but it has a few fundamental problems, the use of a delay as the determinant of frequency causes the duration to decrease as the frequency increases, that is higher pitches will have much shorter apparent durations, even though they will go through the main loop the same number of times as lower pitches.

The trick here is to get a routine that isn't delay dependant. One way to think about this process is to remeber that frequency is defined as the number of cycles per unit time. In our case, the unit of time is trips through the main loop, and the cycle is the speaker being clicked. So instead of clicking the speaker every time through, we'll click every nth time where n becomes the reciprocal of the frequency, or the period.

Here is a simple routine to do that.

```
SPKR .EQ $C030
FREQ .EQ $00
DUR1     .EQ $01
DUR2 .EQ $02  ; Using two bytes to get longer durations.
SOUND    LDY FREQ ; Put frequency in y
SND1 BEQ EXIT ; Zero frequency makes no sense here
     DEY   ; Decrement Y
     BNE NOCLCK ; No click if not zero
     BIT SPKR
        LDY FREQ   ; To get here, y must have reached zero, so we reload
NOCLCK  DEC DUR1
     BNE SND1
     DEC DUR2
     BNE SND1
EXIT RTS
```

Now we have a routine that not only insures that low frequencies are the same durations a high frequencies, there is also a much better function for determining frequency. If you choose, it is not hard to come up with a formula that comforms to that of a just scale, but there will be some error in it towards the high end of the range, since the the branches will take a variable amount of processor cyles depending on whether or not they are successful. This is a minor inconvenience compared with the problems in the first routine.

The duration was set to two bytes this time because very little time is spent in the main loop, so longer durations are imperative.
The fact that there is so much extra time tells us that we could probably duplicate the actual frequency routine, providing us with 2 simultaneous voices. Such a program would look like this:

```
SPKR .EQ $C030
FREQ1    .EQ $00
FREQ2    .EQ $01
DUR1 .EQ $02
DUR2 .EQ $03
SFR1 .EQ $04 ; scratch frequency
SFR2 .EQ $05 ; this will free up our registers.
SOUND    LDA FREQ1
     BEQ EXIT
     STA SFR1 ; Avoid zero frequencies
     LDA FREQ2
     BEQ EXIT ; Ditto
     STA SFR2
LOOP DEC SFR1
     BNE NCLK1 ; Only click if zero
     BIT SPKR
     LDA FREQ1 ; restore old frequency
     STA SFR1
NCLK1    DEC SFR2
     BNE NCLK2 ; Same as above, but with second frequency;
     BIT SPKR
     LDA FREQ1 ; restore old frequency
     STA SFR2
NCLK2    DEC DUR1
     BNE LOOP
     DEC DUR2
     BNE LOOP
EXIT RTS
```

This routine gives us 2 voices of equalized duration that now only changes the accumulator, letting you use the x and y registers for other things (like indexes to tables of frequencies and durations for music) without having to waste time saving them. For something really impressive, try using $FE and $FF for the frequencies. This gives you a very deep tone that sounds similar to a sound used on Williams arcade games (Defender, Stargate, Robotron etc). If you want an additional parameter, eliminate the first STA SFR1 and STA SFR2 instructions, this will make the initial value of SFR1 and SFR2 the phase of the waveform generated.

There is another little quirk about the Apple's speaker we can take advantage of. Tray the following program:

```
SPKR .EQ $C030
SOUND    BIT SPKR
     JMP SOUND  ; Loop forever
```

This program appears to make no noise at all! If you listen very closely (you may have to remove the cover of the machine) you will hear a very faint tone. The reason its so quiet is because that of the actual mechanics of the speaker. It only makes a click every other time its soft switch is referenced. Whene it clicks, the machine is pushing the speaker cone out (I think) and the other time its pulling it back in. If you get a second click very soone after the first, you choke off the sound -sort of like hitting a cymbal and dampening it immediately. By controlling how soon after the speaker has been clicked that we dampen it, we can control the volume IN SOFTWARE!

Here is a routine to do that. For speed purposes, the code must be self-modifying, otherwise its gets tough to control the frequency accurately.

```
SPKR .EQ $C030
FREQ .EQ $00
SFRQ .EQ $04  ; scratch frequency
DUR1 .EQ $01
DUR2 .EQ $02
VOL  .EQ $03
SOUND    LDA VOL
     AND #$0F;  Limit the user to 16 volumes
     TAY  ;  Put in Y so we can incrememnt (faster than adding 1)
     INY  ;  guarantee non-zero volume
     STY VENTR+1 ; Store in volume entry location
     LDA #$11
     SEC
     SBC VENTR+1 ; Subtract volume level for equalization
     STA EQUAL+1 ; Put in equalizer
     LDA FREQ
     BEQ EXIT ; Don't do a zero frequency
        STA SFRQ ; Put in scratch
LOOP DEC SFRQ
     BNE NCLCK ; Only click if zero
     BIT SPKR
VENTR    LDY #$00  ; doesn't matter what value we put here. It gets set above.
LOOP1    DEY
     BNE LOOP1 ; VERY short delay. Won't affect frequency if we equalize
     BIT SPKR  ; Muffler.
EQUAL   LDY #$00  ; This value is also set above.
LOOP2    DEY
     BNE LOOP2
     LDA FREQ  ; Reset frequency
     STA SFRQ
NCLCK    DEC DUR1
     BNE LOOP
     DEC DUR2
     BNE LOOP
EXIT RTS
```

The reason for the equalizer is that we are doing a delay right after we click the speaker. If we're not careful to make sure that the section from VENTR to NCLCK takes the same amount of time, no matter what the volume, it will have a strong effect of the frequency. What we do is, if the volume is 1,

we do a delay of 1 before the second click, and a delay of $10 after for a total of 11 (A 2 will have an equalization delay of $0F, 3 will have $0E and so on). This means that the same value for the frequency will have the apparent frequency at all volumes (this isn't completely true since the equalization is only a greedy approximation, but close enough).

That's all I'm going to write on this subject.

Other things to try are:

2 voices with independant volume controls
Dynamic volume control
Attack & Decay

These are a little tricky, but not too hard.

Steve Hawley
joevax!sdh

PS Does this mean I'm an Apple II guru?

From -2269622892958128874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1e2610958d5873e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10cb58,1e2610958d5873e,start
X-Google-Attributes: gid10cb58,public
X-Google-ArrivalTime: 1986-08-29 11:41:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!clyde!burl!ulysses!bellcore!whuxcc!lcuxlm!whuxl!houxm!ihnp4!tellab5!henrichs
From: henrichs@tellab5.UUCP (Brian Henrichs)
Newsgroups: na.forsale,net.micro.apple
Subject: HAYES MODEM FOR SALE
Message-ID: <47@tellab5.UUCP>
Date: Fri, 29-Aug-86 14:41:19 EDT
Article-I.D.: tellab5.47
Posted: Fri Aug 29 14:41:19 1986
Date-Received: Sat, 30-Aug-86 08:00:11 EDT
Distribution: na
Organization: Tellabs, Inc., Lisle, IL
Lines: 19
Xref: mnetor na.forsale:668 net.micro.apple:1334

**** FOR SALE ****

HAYES 300 baud smartmodem less than a year old
complete with manual and Apple //c smartcom software

and documentation if needed.

The reason I'm selling it is because I was given a
1200 baud modem and no longer need the 300 baud one.

$80 or best offer.

Brian Henrichs
work 969-8800 ext 2720
home 983-1662

From 5840105792799887837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f11489102e6c8c57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-30 11:06:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!nbires!hao!hplabs!sdcrdcf!burdvax!psuvax1!psuvm.bitnet!
gsg@psuecl.BITNET
From: gsg@psuecl.BITNET
Newsgroups: net.micro.apple
Subject: RE: DAK modem query
Message-ID: <359@PSUECL>
Date: Sat, 30-Aug-86 14:06:42 EDT
Article-I.D.: PSUECL.359
Posted: Sat Aug 30 14:06:42 1986
Date-Received: Sun, 31-Aug-86 23:00:48 EDT
Organization: Engineering Computer Lab, Pennsylvania State University
Lines: 23

Oh, by the way, the final cost of the modem is $175 w/shipping
and there may be a backlog of orders (there was when I got mine)

I hope I was of some help.

Jerry Gluch
Penn State University

I Own a DAK ADC Smart Duck modem, purchased last February. I really like
it. It does just as the ads says. I use it with an Apple //e with a
Super Serial card. I have had no problems. The terminal program I use is
Apple Access. It does a reasonable job at emulating a VT100, but I do have
some problems. When I hook up with the VAX and read NETNEWS, I have screen
problems. I get the first page of postings allright, but when I page for
more, it gets all fouled up. I am not sure if it is the programs fault,
as when I tell it to refresh the screen it comes out perfect.

The program works well on the IBM system and our library's computer

From 7987325921672025933
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7879d025e43b37d3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-30 13:23:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!gatech!gitpyr!ccastkv
From: ccastkv@gitpyr.UUCP (Keith 'Badger' Vaglienti)
Newsgroups: net.micro.apple
Subject: Visiterm
Message-ID: <2195@gitpyr.UUCP>
Date: Sat, 30-Aug-86 16:23:39 EDT
Article-I.D.: gitpyr.2195
Posted: Sat Aug 30 16:23:39 1986
Date-Received: Tue, 9-Sep-86 23:47:36 EDT
Organization: The Banzai Institute
Lines: 15

Some time ago I saw a terminal program for the Apple][+ called Visiterm which
used the graphics page so that it could support lower case on Apples without
the U/l case mod and also allowed the user to define his own character sets.
Recently I've been trying to obtain a copy of it but haven't been able to find
it in any stores. If anyone knows where I could purchase a copy by mail I would
greatly appreciate it if they would let me know.

--
Keith "Badger" Vaglienti
Georgia Insitute of Technology, Atlanta Georgia, 30332
...!{akgua,allegra,amd,hplabs,ihnp4,seismo,ut-ngp}!gatech!gitpyr!ccastkv

In no way should my remarks be considered to reflect the opinions and/or
policies of the Georgia Institute of Technology. Put another way, its-a
not my bosses-ah fault, monkey boy!

From -469470348655364585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d9786d38bf4eec3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-02 14:51:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!
mtgzz!dsk
From: dsk@mtgzz.UUCP (d.s.klett)
Newsgroups: net.micro.apple
Subject: Apple //e Assemblers
Message-ID: <2082@mtgzz.UUCP>
Date: Tue, 2-Sep-86 17:51:13 EDT
Article-I.D.: mtgzz.2082

Posted: Tue Sep 2 17:51:13 1986
Date-Received: Wed, 3-Sep-86 18:50:30 EDT
Organization: AT&T Information Systems Labs, Middletown NJ
Lines: 7

I have recently bought an enhanced Apple //e. Looking through the literature
on the //e, many assemblers are mentioned. I am interested in the pros and
cons on the ProDOS based assemblers for the //e. Thanks.

     Don Klett
     mtgzz!dsk
     (201)957-5652

From 1173822883839052063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f11489102e6c8c57
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-02 16:16:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!mhuxf!
mhuxi!mhuhk!mhuxt!houxm!ihnp4!ihlpa!terry2
From: terry2@ihlpa.UUCP (Nelson)
Newsgroups: net.micro.apple
Subject: RE: DAK modem query
Message-ID: <1765@ihlpa.UUCP>
Date: Tue, 2-Sep-86 19:16:55 EDT
Article-I.D.: ihlpa.1765
Posted: Tue Sep 2 19:16:55 1986
Date-Received: Wed, 3-Sep-86 18:51:35 EDT
References: <359@PSUECL>
Organization: AT&T Bell Laboratories
Lines: 21

>
>   The terminal program I use is
> Apple Access. It does a reasonable job at emulating a VT100, but I do have
> some problems. When I hook up with the VAX and read NETNEWS, I have screen
> problems. I get the first page of postings allright, but when I page for
> more, it gets all fouled up. I am not sure if it is the programs fault,
> as when I tell it to refresh the screen it comes out perfect.
> Jerry Gluch

  I also use Apple Access II using VT100 emulation to access netnews through
our mainframe at the labs. I experienced the same problem as Jerry mentioned
above when I was using Apple Access II V1.0. Updating to V1.1 solved the
problem (among others). Version 1.1 is available free to all registered
owners.
--

..ihnp4!ihlpm!terry2   =-=-=-=-=-=-=-=-=-=-=-=-=-   "All this is
  GEnie Mail: Terry2 | Terry Nelson | because of me
      Keep | AT&T Bell Laboratories | and not my

```
       It              |  Naperville, Illinois  |   employer!"
        Warm           =-=-=-=-=-=-=-=-=-=-=-=-=-
```

```
From 8496515514108931843
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,844256ebd1c91269,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 15e263,844256ebd1c91269,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 12da6b,844256ebd1c91269,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,844256ebd1c91269,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-09-03 13:39:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!cbatt!cbosgd!mark
From: mark@cbosgd.UUCP (Mark Horton)
Newsgroups: net.lang.c,net.micro.apple,net.micro.cbm,net.micro.cpm
Subject: C compilers for 8 bit machines
Message-ID: <2503@cbosgd.UUCP>
Date: Wed, 3-Sep-86 16:39:24 EDT
Article-I.D.: cbosgd.2503
Posted: Wed Sep  3 16:39:24 1986
Date-Received: Thu, 4-Sep-86 04:07:09 EDT
Distribution: na
Organization: AT&T Bell Laboratories, Columbus, Oh
Lines: 14
Xref: mnetor net.lang.c:5777 net.micro.apple:1340 net.micro.cbm:1256
net.micro.cpm:2319

I would appreciate any references to C compilers for popular 8 bit
machines, such as the Apple II, Commodore 64, Atari 800, and CP/M machines.
I'd prefer products, but public domain offerings are OK too, especially
if a source can be given.

This info is for a book about C portability, so you probably don't want
to offer to send a copy of Tiny C personally.  Also, any comments about
the compiler you mention (if you like it, what it's limits are, etc)
would be appreciated.

Thanks in advance,

     Mark Horton
     cbosgd!mark


From 2689647263917627781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f37f3eeda82b27b
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,2f37f3eeda82b27b
X-Google-Attributes: gid120a1f,public
```

X-Google-ArrivalTime: 1986-09-03 19:37:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5 (Ben Cranston)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: More on Wanted: Kermit for the Apple][
Message-ID: <1233@umd5>
Date: Wed, 3-Sep-86 22:37:48 EDT
Article-I.D.: umd5.1233
Posted: Wed Sep 3 22:37:48 1986
Date-Received: Thu, 4-Sep-86 04:10:52 EDT
References: <5574@topaz.RUTGERS.EDU> <1188@umd5> <1189@umd5>
Reply-To: zben@umd5.umd.edu (Ben Cranston)
Organization: University of Maryland, College Park
Lines: 23
Summary: Where we stand
Xref: mnetor net.micro.apple:1341 net.wanted.sources:2233

Some people suggested that since they have other means of transfering
stuff from their Unix machines to their Apples I should post Kermit
anyway. So I sat down and started to upload the source. I didn't get
very far. The Apple][that I use doesn't have lower case. Unix is
not very friendly to upper-case-only terminals that try to use Kermit.
(To try it yourself, next time you sign on, type your userid in upper case.)

I got it uploaded to the Sperrysaur which is a case insensitive machine.
Unfortunately it doesn't like lines longer than 132 characters so I'm gonna
hafta do moby "join" commands when I get it FTPed up here.

But this exposes a pathological problem. It probably works if you have the
lower case stuff, but what should the response of Kermit be to an unmodified
Apple? Should there be a force-to-lower-case option? Suggestions?

Oh, the other feature this Kermit has is a 70 column display-to-hires option.
It doesn't make it on a color TV, but it's barely tolerable on my B/W set.
On a video monitor it should be better...

--
                    umd5.UUCP   <= {seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben
Ben Cranston zben @ umd2.UMD.EDU   Kingdom of Merryland Sperrows 1100/92
                    umd2.BITNET   "via HASP with RSCS"

From -6524369242107717845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,844256ebd1c91269
X-Google-Attributes: gid15e263,public
X-Google-Thread: 12c65a,844256ebd1c91269
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 12da6b,844256ebd1c91269
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,844256ebd1c91269
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-09-04 08:46:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!clyde!watmath!watnot!cbbrowne
From: cbbrowne@watnot.UUCP (Christopher Browne)
Newsgroups: net.lang.c,net.micro.apple,net.micro.cbm,net.micro.cpm
Subject: Re: C compilers for 8 bit machines
Message-ID: <11986@watnot.UUCP>
Date: Thu, 4-Sep-86 11:46:36 EDT
Article-I.D.: watnot.11986
Posted: Thu Sep 4 11:46:36 1986
Date-Received: Thu, 4-Sep-86 22:09:38 EDT
References: <2503@cbosgd.UUCP>
Reply-To: cbbrowne@watnot.UUCP (Christopher Browne)
Distribution: na
Organization: U of Waterloo, Ontario
Lines: 43
Xref: mnetor net.lang.c:5784 net.micro.apple:1344 net.micro.cbm:1260
net.micro.cpm:2323

In article <2503@cbosgd.UUCP> mark@cbosgd.UUCP (Mark Horton) writes:
>I would appreciate any references to C compilers for popular 8 bit
>machines, such as the Apple II, Commodore 64, Atari 800, and CP/M machines.
>I'd prefer products, but public domain offerings are OK too, especially
>if a source can be given.
>
>   Mark Horton
>   cbosgd!mark

For the Atari 8 bit series, there are two C compilers worthy of note:

1) C/65: formerly sold by OSS (I can obtain the address, if it is desired). This is an assembling compiler, that is, it produces 6502 assembly language which must be assembled using their assembler. It is no longer available from them, but is available from some dealers who have had it in stock for several years. I cannot comment further, since I have not used it.

2) Deep Blue C (the package I would recommend) is an extensively modified version of Ron Cain's Small C compiler. It is available from Antic Magazine (see your local newsstand for a catalog) and there is a floating point library available. Information on the original C compiler on which this one is based can be obtained from Dr. Dobbs Journal. This is a fairly decent compiler, with calls for i/o routines, the 'standard' C stuff (slightly modified so as to be appropriate for the Atari operating system), and calls for graphics routines which are better than the commands provided in Atari Basic. I'm not sure how much support this product has, but it has been available for a LONG time, so the bugs should be worked out of it.

Hope this is an aid to you.

--

Christopher Browne
University of Waterloo
Faculty of Mathematics

"To do is to be." -- Aristotle
"To be is to do." -- Socrates
"Do be do be do." -- Sinatra
"Do be a do bee." -- Miss Sally of Romper Room fame.
"Yabba dabba do." -- Fred Flintstone

From -954184416391284545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,50d5735bee8f3e5b,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1520b8,50d5735bee8f3e5b,start
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 1622d3,50d5735bee8f3e5b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-14 13:00:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!husc6!harvard!winkler
From: winkler@harvard.UUCP
Newsgroups: net.jobs,net.micro.mac,net.micro.apple
Subject: Job Openings at Apple
Message-ID: <37@harvard.UUCP>
Date: Mon, 14-Jul-86 16:00:45 EDT
Article-I.D.: harvard.37
Posted: Mon Jul 14 16:00:45 1986
Date-Received: Mon, 14-Jul-86 23:07:00 EDT
Organization: Aiken Comp Lab, Harvard
Lines: 62
Xref: utcs net.jobs:2500 net.micro.mac:6910 net.micro.apple:2880

Apple has asked its current employees to help find good people to fill the numerous new job openings here. As a former net.micro.mac addict, I've decided to do my part by referring all the good people I can find through Usenet. Of course, I'm not motivated soley by loyalty to my old net buddies -- if you end up getting hired, then I get a gift certificate to the company store and a slim chance at a free vacation somewhere.

The kind of people Apple is looking for are those who are "willing and able to jump into Apple and start making things happen" and "whose dedication to achievement, innovation, and quality match our own." If you're one of those people, send me your resume and I'll refer you. I'm especially interested if you're qualified for one of the job descriptions listed below since I think I get some kind of additional prize if you're hired for one of those.

Dan Winkler
Advanced Development Group
Apple Computer, Inc.

20525 Mariani Ave., MS: 22Y
Cupertino CA 95014
408-973-2695
winkler@apple.csnet

SOFTWARE ENGINEERING MANAGER: Networking and Datacom. Strong background in SW development and testing, SNA, OSI, and datacom architecture. Oversee staffing, drive design reviews, and develop junior management. BSCS/EE and 10+ years experience.

SENIOR HARDWARE ENGINEER, I/O INTERFACE: Design I/O interfaces for a next generation computer. BSEE, 4+ years experience in digital circuit design.

PRODUCT DESIGN ENGINEER: Electronics packaging design. Design sheet metal and plastics, address thermal, EMI, cost and testing issues. BSME and 4+ years experience in product design.

AREA ASSOCIATE B: Fluency in English, and Japanese or Chinese. Perform basic support tasks and assist in projects.

CONTINGENCY PLANNER: Design Apple's disaster recovery plan. Establish procedures for life safety, building safety, etc. in the event of a disaster. BS and 3 years contingency planning.

TELECOM SPECIALIST B/A: Consult with users to assess telecom needs. Responsible for providing service at work sites; prepare work orders for installation techs. Need telecom courses/college.

ADVANCED TECHNOLOGY MANAGER: Manage research for Apple's Advanced Development Group. Prototype, evaluate future technologies. Run group of 12 working with hardware, software, and VLSI technologies. BS/MS in EE/CS; 8+ years in development and mgmt.

SENIOR FINANCIAL ANALYSTS: Positions in Sales, Marketing, and Engineering groups. BS Finance or Accounting and MBA required; 2-5 years in finance, financial/strategic planning, or comp. analysis.

SENIOR HARDWARE ENGINEERS: Work in Communications/Networking group, evaluating and enhancing 3rd party products, designing new datacom hardware. BSEE, 6+ years digital design experience; VLSI, Motorola chip set, and comm hardware exposure helpful.

From 4795894062690272094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8593008da002b77
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,b8593008da002b77
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,b8593008da002b77
X-Google-Attributes: gid129c11,public

X-Google-Thread: 120a1f,b8593008da002b77
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-07-14 21:06:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!ut-sally!cyb-eng!bc
From: bc@cyb-eng.UUCP
Newsgroups: net.micro.apple,net.micro,net.wanted,net.wanted.sources
Subject: Re: wanted:programs
Message-ID: <917@cyb-eng.UUCP>
Date: Tue, 15-Jul-86 00:06:45 EDT
Article-I.D.: cyb-eng.917
Posted: Tue Jul 15 00:06:45 1986
Date-Received: Tue, 15-Jul-86 06:53:28 EDT
References: <5284@topaz.RUTGERS.EDU>
Organization: Cyb Systems, Austin, TX
Lines: 21
Xref: utcs net.micro.apple:2881 net.micro:14714 net.wanted:9115
net.wanted.sources:2550

> Hi...
>   I am looking for two programs by Muse software. Since Muse is out
> of
> business & the software dealers have been no help, I am hoping that
> someone may have acess or no how I might be able to get a copy of:
>   Form Letter Module
>   Address Book
> --
>   John Langbein

I know the name Muse as the obsolete name of a multilingual word processing
program for various minicomputers. The company's name is MARC Software, and
they changed the name of their word processing program several years ago to
WordMARC and have ported it to the PC and elsewhere under that name.

Perhaps this is a different Muse? Sorry, but I don't have the location of
MARC Software handy. Good luck.
--
bc   Bill Crews @ NetCor Data International, Inc

..!{seismo,gatech,ihnp4}!ut-sally!cyb-eng!bc (512) 835-2266

From 4803307388877860743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-15 06:31:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!brl-adm!brl-smoke!gwyn
From: gwyn@brl-smoke.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <2245@brl-smoke.ARPA>

Date: Tue, 15-Jul-86 09:31:03 EDT
Article-I.D.: brl-smok.2245
Posted: Tue Jul 15 09:31:03 1986
Date-Received: Wed, 16-Jul-86 03:23:08 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP>
Reply-To: gwyn@brl.arpa (Doug Gwyn (VLD/VMB) <gwyn>)
Organization: Ballistic Research Lab (BRL), APG, MD.
Lines: 10

I haven't seen mention of this, but interrupts during disk I/O
can corrupt your disk. ProDOS supports interrupts but they're
inhibited during critical timing loops. If you need interrupts
but not disk I/O, nor other timing-critical peripheral-card I/O,
then you can certainly plant your own interrupt handler and
avoid ProDOS's altogether.

I have to agree that the Apple][family is really not designed
for real-time, multitasking use. There's no reason it shouldn't
have been, except they didn't think of it in the first place.

From -8694114987190277517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,b8593008da002b77
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,b8593008da002b77
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,b8593008da002b77
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 129c11,b8593008da002b77
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-07-15 08:14:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!lll-crg!gymble!umcp-cs!eneevax!hsu
From: hsu@eneevax.UUCP
Newsgroups: net.micro.apple,net.micro,net.wanted,net.wanted.sources
Subject: Re: wanted:programs
Message-ID: <3@eneevax.UUCP>
Date: Tue, 15-Jul-86 11:14:07 EDT
Article-I.D.: eneevax.3
Posted: Tue Jul 15 11:14:07 1986
Date-Received: Wed, 16-Jul-86 03:45:43 EDT
References: <5284@topaz.RUTGERS.EDU> <917@cyb-eng.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 31
Xref: utcs net.micro.apple:2883 net.micro:14730 net.wanted:9118
net.wanted.sources:2552

In article <917@cyb-eng.UUCP> bc@cyb-eng.UUCP (Bill Crews) writes:
>> Hi...
>>   I am looking for two programs by Muse software. Since Muse is out
>> of

>> business & the software dealers have been no help, I am hoping that...
>> --
>>   John Langbein
>I know the name Muse as the obsolete name of a multilingual word processing
>program for various minicomputers. The company's name is MARC Software, and
>they changed the name of their word processing program several years ago to
>WordMARC and have ported it to the PC and elsewhere under that name.
>
>Perhaps this is a different Muse? Sorry, but I don't have the location of
>MARC Software handy. Good luck.
>--
>bc   Bill Crews @ NetCor Data International, Inc

Sorry, wrong Muse. Muse Software was run by one Silas Warner,
originally in Columbia Md and eventually in Baltimore. Among other
titles they released were `Castle Wolfenstein' and `Robot War'. Most
of their better work was released by 1982, and they quietly slipped
into oblivion.

-dave
--
David Hsu (301) 454-1433 || -8798   "It was Dave, not me..honest!" -eneevax
Communication & Signal Processing Lab / Engineering Computer Facility
The University of Maryland   -~-   College Park, MD 20742
ARPA:hsu@eneevax.umd.edu UUCP:[seismo,allegra,rlgvax]!umcp-cs!eneevax!hsu

"Be seeing you..."

From -6918972561053085133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-15 08:26:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!columbia!caip!clyde!burl!geoff
From: geoff@burl.UUCP
Newsgroups: net.micro.apple
Subject: Including DOS in marketable products
Message-ID: <1367@burl.UUCP>
Date: Tue, 15-Jul-86 11:26:24 EDT
Article-I.D.: burl.1367
Posted: Tue Jul 15 11:26:24 1986
Date-Received: Wed, 16-Jul-86 03:47:40 EDT
Reply-To: geoff@burl.UUCP (geoff)
Organization: AT&T Technologies, Burlington NC
Lines: 21

Does anyone have any experience in including DOS in a product? I have
seen stand-alone disks that boot the Apple, load themselves, and go.
I assume they have a copy of DOS on the disk to load the program and
to do any kind of disk read/write the program might need. Is this
licensed through Apple? How much does it cost? I have a program

that runs under DOS 3.3 right now, but I may move it to ProDos later.
Currently, the user has to boot up (the correct version of) DOS, then
BRUN the program. Since I will have two separate programs on the disk
I can't get around the BRUN, but I would at least like to guarantee that
the user has the right version of DOS.

Thanks for your help,

--

          geoff sherwood
          ...![ihnp4 ulysses cbosgd mgnetp]!burl!geoff
          ...![ihnp4 cbosgd akgua masscomp]!clyde!geoff

"If your words can't stand on their own,
     adding volume won't help"

From -5952486622111866560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-15 12:17:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!cbmvax!daveh
From: daveh@cbmvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: Apple //GS
Message-ID: <533@cbmvax.cbmvax.cbm.UUCP>
Date: Tue, 15-Jul-86 15:17:47 EDT
Article-I.D.: cbmvax.533
Posted: Tue Jul 15 15:17:47 1986
Date-Received: Wed, 16-Jul-86 22:27:08 EDT
References: <2685@caip.RUTGERS.EDU>
Organization: Commodore Technology, West Chester, PA
Lines: 48

>
> No matter what they do, it will have to have a compatibility mode that
> is indistinguishable from the current IIe botch. In order to keep the
> cost down, the new mode will probably extend the IIe botch, rather than
> do it 'right' (whatever that means to you personally!) But to compete
> with the Amiga and the ST520/1040, they will have to have something
> pretty impressive. I wonder if it can be done.   Full backwards
> compatibility can me *expensive* to maintain. Apple won't get rich just
> selling upgrades to people who already have II series machines. So they
> will have to have something that is cost/performance competitive with the
> Amiga and Atari machines to capture new users. But if it won't make
> them rich, you can bet they won't do it.
>
> Given those constraints, I wonder if it can be done...
> (Does anybody remember the Apple III? It did a lot of things 'right',
> and it was a commercial failure.)

>
> Rick Thomas

I'd expect that the compatibility should be simple to maintain -- the current Apple IIwhatever video circuitry is simple enough to occupy only part of a common chip, and any new circuitry could share some of the old logic (video shift registers, etc.) without becoming too crippled. The main thing that I wonder about, however, is the most rumored resolution on the new thing -- some 760x500x7 or so pixels. It might make some sense to address memory on byte boundaries (1 byte == 1 pixel), but of course this would require 256K just for video memory. Though that's only $16-$32 or so in memory chips, so it might be possible. The 65816 processor is weak compared to the competition's 68000 series, so I'd imagine if they didn't go to byte-pixel addressing, they'd have to have some hardware assist to get any kind of video performance out of the thing in the higher resolution mode. Though it sounds like Aplle is back on the right track; I wouldn't expect them to settle for a 640x200 only display at this point.

--
/\
Dave Haynie {caip,ihnp4,allegra,seismo}!cbmvax!daveh

"I don't feel safe in this world no more,
I don't want to die in a nuclear war,
I want to sail away to a distant shore
And live like an ape man."
-The Kinks

These opinions are my own, though for a small fee they be yours too.
\/\

From -7230392368780627487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31f9e93eb36ea1db,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-16 10:59:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!husc6!topaz!ll-xn!mit-amt!mit-eddie!genrad!panda!teddy!twm
From: twm@teddy.UUCP
Newsgroups: net.micro.apple
Subject: language card wanted
Message-ID: <2866@teddy.UUCP>
Date: Wed, 16-Jul-86 13:59:37 EDT
Article-I.D.: teddy.2866
Posted: Wed Jul 16 13:59:37 1986
Date-Received: Thu, 17-Jul-86 07:05:15 EDT
Reply-To: twm@teddy.UUCP (Tim W. Mattox)
Distribution: net.micro.apple
Organization: GenRad, Inc., Concord, Mass.

Lines: 13
Keywords: language card

Does anyone out there in net land have an Apple language card? It
expands the II+'S memory from 48k to 64k and allows you to use
Integer BASIC, Pascal, etc.

If not, where can I get one? I don't believe Apple makes them anymore.
Most of the dealers I have talked to don't have any.

TIM at MIT

p.s. I am in the Boston area but can also deal from central Ohio.

Thanks in advance!
.

From -5948800155254651489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-16 12:43:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!ut-sally!caip!princeton!allegra!ulysses!bellcore!
petrus!magic!joevax!sdh
From: sdh@joevax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable products
Message-ID: <206@joevax.UUCP>
Date: Wed, 16-Jul-86 15:43:42 EDT
Article-I.D.: joevax.206
Posted: Wed Jul 16 15:43:42 1986
Date-Received: Wed, 16-Jul-86 23:14:38 EDT
References: <1367@burl.UUCP>
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 34

> Does anyone have any experience in including DOS in a product? I have
> seen stand-alone disks that boot the Apple, load themselves, and go.
> I assume they have a copy of DOS on the disk to load the program and
> to do any kind of disk read/write the program might need. Is this
> licensed through Apple? How much does it cost? I have a program
> that runs under DOS 3.3 right now, but I may move it to ProDos later.
> Currently, the user has to boot up (the correct version of) DOS, then
> BRUN the program. Since I will have two separate programs on the disk
> I can't get around the BRUN, but I would at least like to guarantee that
> the user has the right version of DOS.

I have known of no problems with distributing disks with Apple DOS on
them. The reason most people use their own routines for starting things
up is for software protection, or just because Apple DOS is soooooo slow.

If you would like to make your binary program the startup file (so the
user need not BRUN it) doo the following

CALL -151
9E42:34
CTRL-C (to exit the monitor)

INIT filename, Sn, Dn

This will leave your disk init'ed with a basic program called
"filename" as your hello program. Delete it, and replace it
with your Binary file WITH THE SAME FILE NAME.

I do not believe this works if the diskette has been updated to a
master (using master create).

Steve Hawley
joevax!sdh

From -3941712415671649466
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-16 13:31:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!meccts!dicome!mmm!umn-cs!isucs1!UUCP!geoff
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable product
Message-ID: <14200014@isucs1.UUCP>
Date: Wed, 16-Jul-86 16:31:00 EDT
Article-I.D.: isucs1.14200014
Posted: Wed Jul 16 16:31:00 1986
Date-Received: Fri, 18-Jul-86 06:05:55 EDT
References: <1367@burl.UUCP>
Lines: 21
Nf-ID: #R:burl.UUCP:-136700:isucs1.UUCP:14200014:000:808
Nf-From: isucs1.UUCP!heins   Jul 16 15:31:00 1986

If you write a little menu program, then you can get around the "BRUN",
also I do believe that Apple charges a royalty for using DOS 3.3, but
I'm not sure how much it is. You might check into Diveri DOS, David DOS,
or Pronto DOS, which are all DOS 3.3 compatible, and offer different
liscensing to publishers.
Now, I'm not saying this is right... but I'd have to say that there are
hundreds of publishers that have included DOS 3.3 on their software and
have not paid any liscense fees... Personally I don't agree with the
DOS liscensing philosophy, but Apple does have a right to protect its
interests.

Lee Heins

{umn-cs, okstate, csu-cs}!isuc1!heins

heins@iowa-state.CSNET

Disclaimer: My opinions are mine alone, and in no way reflect the official opinion of Iowa State University...

From -1853978335931957789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bff3a500ec585396,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-16 17:38:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!lll-crg!lll-lcc!dual!ptsfa!ski!dr
From: dr@ski.UUCP
Newsgroups: net.micro.apple
Subject: Re; Licensing DOS and other Apple software
Message-ID: <285@ski.UUCP>
Date: Wed, 16-Jul-86 20:38:54 EDT
Article-I.D.: ski.285
Posted: Wed Jul 16 20:38:54 1986
Date-Received: Fri, 18-Jul-86 01:11:11 EDT
Reply-To: dr@ski.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 44

In regards to licensing DOS:

In the July issue of Open-Apple, the newsletter by Tom Wieshaar,
there is a list of things that can be licensed from Apple.

DOS 3.3, it says, can be licensed for $50.
     This item is unsupported, as Apple no longer acknowleges DOS 3.3 !

ProDOS/BASIC.system/FILER/CONVERT is also $50.
There are other items, too.

You can also get technical documentation of the software not available elsewhere

     "To get in touch with these people, call 408-973-4667 or write
          Software Licensing
          Mail Stop 28-B
          Apple Computer, Inc.
          10101 N. DeAnza Blvd.
          Cupertino, CA 95014   "

==========

David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

I HAVE NO CONNECTION WITH APPLE, OTHER THAN BEING A USER FRUSTRATED BY
APPLE'S POOR TECH SUPPORT.
--
==========
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -4145538003388023493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-16 22:52:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!columbia!topaz!ll-xn!nike!ucbcad!ucbvax!sdcsvax!
noscvax!medin
From: medin@noscvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <567@noscvax.UUCP>
Date: Thu, 17-Jul-86 01:52:08 EDT
Article-I.D.: noscvax.567
Posted: Thu Jul 17 01:52:08 1986
Date-Received: Fri, 18-Jul-86 01:05:53 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP>
Reply-To: medin@cod.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 8
Keywords: interupts

Well so the enhanced //e doesnt save the a reg in $45 for the
interupt routine. That may be why the 80 col display has been driving
kermit (and me) wild. So how do you determine that you are using the
enhanced //e ?????

Thanks in advance Ted
milnet address "medin@nosc"

From 6561261444721242247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-17 06:21:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!ll-xn!mit-amt!mit-eddie!genrad!decvax!mcnc!ecsvax!
ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable products
Message-ID: <1830@ecsvax.UUCP>
Date: Thu, 17-Jul-86 09:21:36 EDT
Article-I.D.: ecsvax.1830
Posted: Thu Jul 17 09:21:36 1986
Date-Received: Sat, 19-Jul-86 01:53:39 EDT
References: <1367@burl.UUCP>
Organization: UNC Educational Computing Service
Lines: 19

> Does anyone have any experience in including DOS in a product? I have
> seen stand-alone disks that boot the Apple, load themselves, and go.
> I assume they have a copy of DOS on the disk to load the program and
> to do any kind of disk read/write the program might need. Is this
>
> Thanks for your help,
>

Dos 3.3 or Prodos must be licensed from Apple. The charge is $50 per
year per product. Call Apple and they will send you the forms. They
usually send forms to become a certified developer too. This is free
and they send good info and offer cut rate hardware for development
purposes. They also have a registered developer program for the
heavyweights that costs $$$.
   When you call ask for developer support.

Rick Fincher Computing Center North Carolina State University

Ranger@ECSVAX

From -1531556983494686807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-17 13:23:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!nbires!hao!hplabs!amdahl!bnrmtv!timlee
From: timlee@bnrmtv.UUCP
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable products

Message-ID: <480@bnrmtv.UUCP>
Date: Thu, 17-Jul-86 16:23:48 EDT
Article-I.D.: bnrmtv.480
Posted: Thu Jul 17 16:23:48 1986
Date-Received: Sat, 19-Jul-86 02:54:28 EDT
References: <1367@burl.UUCP>
Organization: Bell Northern Research, Mtn. View, CA
Lines: 30

> Does anyone have any experience in including DOS in a product? I have
> seen stand-alone disks that boot the Apple, load themselves, and go.
> I assume they have a copy of DOS on the disk to load the program and
> to do any kind of disk read/write the program might need. Is this
> licensed through Apple? How much does it cost? I have a program
> that runs under DOS 3.3 right now, but I may move it to ProDos later.
> Currently, the user has to boot up (the correct version of) DOS, then
> BRUN the program. Since I will have two separate programs on the disk
> I can't get around the BRUN, but I would at least like to guarantee that
> the user has the right version of DOS.

Many "load-and-go" programs are copy protected; some of these use a
completely alien DOS which has no relation to Apple's DOS. Others use
a modified version of Apple's DOS. I don't know what licensing, if any,
that Apple requires in distributing DOS with a program either as is or
modified. Apple itself would be your best source of this info.

DOS 3.3/ProDOS question: If it's ok with Apple to distribute its DOS,
just provide a DOS and a ProDOS version on opposite sides of the disk.
If it isn't ok, then do the same but delete the DOS from both sides.
Be sure to mark which side is DOS and which is ProDOS. Then the user
can boot whatever s/he has, insert the correct side, and BRUN the program.

Note: few programs for the Apple are distributed without any DOS on it.
The only exceptions I know of are disks of public domain software in which
people try to stuff as much as possible onto a disk. I suspect that
consumers may frown on a non-bootable program disk. Call Apple and find
out what they think about distributing DOS. They probably aren't that
restrictive or expensive, since their DOS is found on every non-protected
disk sold with software.

From -595140259840145313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-17 15:11:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!gymble!umcp-cs!eneevax!hsu
From: hsu@eneevax.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable products
Message-ID: <8@eneevax.UUCP>
Date: Thu, 17-Jul-86 18:11:44 EDT

Article-I.D.: eneevax.8
Posted: Thu Jul 17 18:11:44 1986
Date-Received: Fri, 18-Jul-86 05:29:48 EDT
References: <1367@burl.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 55

In article <1367@burl.UUCP> geoff@burl.UUCP (geoff) writes:
>Does anyone have any experience in including DOS in a product? I have
>seen stand-alone disks that boot the Apple, load themselves, and go.
>I assume they have a copy of DOS on the disk to load the program and
>to do any kind of disk read/write the program might need. Is this
>licensed through Apple? How much does it cost? I have a program
>that runs under DOS 3.3 right now, but I may move it to ProDos later.
>...
>--
>   geoff sherwood

I seem to remember way back when that Apple sold some sort of
distribution licenses for 3.3 much in the same way that they sold
run-time modules for the p-system.

When you mention load and go software, I presume you mean commercial
canned stuff. Thanks to the wonderful world of copy protection, most
of these sport either fully-custom boot sections of their own (i.e.
Flight Simulator) or customized versions of Apple's own software (like
Castle Wolfenstein, or Ultima II). Most software publishers have tried
to move away from this latter method, because it creates legal hassles
for them if they aren't careful. The classic case of this involves a
3-in-one arcade game that a major manufacturer produced about 4 years
ago; they had bought the program from a young programmer who also
pirated disks as a hobby. The protection scheme involved tweaking
the directory track, and overwriting the original DOS with a customized
version. Then, the disk was slapped into the bulk copier. Trouble is,
the original had arrived on their doorstep with a deleted, unlocked 3.3
binary of Choplifter on it, and they had neglected to scramble the original
disk tables. So, with the aid of any undelete program, your 3-in-one
game had just become a 4-in-one game. Needless to say, the company
involved was NOT Broderbund, and the disk was pulled.

I doubt that you'd be willing to devote the resources to writing a dos,
and licensing the Real Thing could be more trouble than it's worth.
Because...

The last alternative is to use a PD dos. If your program does not
require access to ordinary files (i.e. load memory once and run)
there are a number of tiny (3-sector) loader programs that don't
require a dos, but run very very quickly. If you do need a dos,
packages like DavidDOS (and I think, the Beagle one too) require
only an attribution somewhere in your opening sequence. I gave up
hacking my][+ when ProDOS started to gain in popularity, so I'm afraid
I have no useful advice to you if you need access to existing files.

-dave
--
David Hsu (301) 454-1433 || -8798   "It was Dave, not me..honest!" -eneevax
Communication & Signal Processing Lab / Engineering Computer Facility
The University of Maryland   -~-   College Park, MD 20742
ARPA:hsu@eneevax.umd.edu UUCP:[seismo,allegra,rlgvax]!umcp-cs!eneevax!hsu

"Who cometh to the bridge of death must answer me these questions three,
 'ere the other side he see....aiggggh!"

From 2016611362459468544
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-ArrivalTime: 1986-07-18 08:23:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!lsuc!watmath!clyde!caip!ut-sally!pyramid!decwrl!sun!mwicks
From: mwicks@sun.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <5227@sun.uucp>
Date: Fri, 18-Jul-86 11:23:58 EDT
Article-I.D.: sun.5227
Posted: Fri Jul 18 11:23:58 1986
Date-Received: Sat, 19-Jul-86 22:32:31 EDT
References: <3968@decwrl.DEC.COM> <601@zaphod.UUCP>
Organization: Sun Microsystems, Inc.
Lines: 23
Xref: utcs net.nlang:4690 net.travel:2755 net.micro.pc:9112 net.micro.apple:2895
net.database:351 net.wanted:9150 junk:1517 net.jobs:2524

  In article<3968@decwrl.DEC.COM> <601@zaphod.UUCP>timm@zaphod.UUCP (Tim
Melanchuk) writes:
> I support the Nicaragua government although I don't support abusing

> usenet conventions. I am *very* against American policy and intervention
> in the region and dislike the holier than thou attitude of American
> support versus Russian. I am Canadian though and have somewhat of
> a less biased opinion. I'm curious about how many non-Americans
> support American policy in Nicaragua. Most of the news and editorials
> I see in Canada about the conflict seems to highlight American
> exagerations and/or lies about events and tends to favor a non-military
> solution and letting the region sort out its own problems.
> --
> A Canadian is someone who knows how to make love in a canoe.
>
> Tim Melanchuk   {ihnp4|alberta}!sask!zaphod!timm

    I fail to see the significance in posting this article to net.travel.
  It appears to me to be purely a POLITICAL statement that I should see in
  net.politics, if I so desire. Why this is posted to 10 different groups
  is beyond me.

  Michael L. Wicks

From -1615040312420292041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-18 12:01:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!nbires!hao!hplabs!nsc!amdahl!bnrmtv!timlee
From: timlee@bnrmtv.UUCP
Newsgroups: net.micro.apple
Subject: Master disks
Message-ID: <486@bnrmtv.UUCP>
Date: Fri, 18-Jul-86 15:01:23 EDT
Article-I.D.: bnrmtv.486
Posted: Fri Jul 18 15:01:23 1986
Date-Received: Sat, 19-Jul-86 22:32:19 EDT
References: <1367@burl.UUCP> <206@joevax.UUCP>
Organization: Bell Northern Research, Mtn. View, CA
Lines: 17

> CALL -151
> 9E42:34
> CTRL-C (to exit the monitor)
>
> INIT filename, Sn, Dn
>
> This will leave your disk init'ed with a basic program called
> "filename" as your hello program. Delete it, and replace it
> with your Binary file WITH THE SAME FILE NAME.
>
> I do not believe this works if the diskette has been updated to a
> master (using master create).

>
Moot point, since finding an Apple with less than 48K is nearly impossible
now. If you must have a master, Beneath Apple DOS tells you how to patch
the Master Create program to patch the master DOS. But the above method
is just fine for slave disks.

From 6942198150267962381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4ad9f8de8f6f2352
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-18 13:39:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!mcvax!nikhefk!henkp
From: henkp@nikhefk.UUCP
Newsgroups: net.micro.apple
Subject: Re: //GS Again (Some specs)
Message-ID: <24@nikhefk.UUCP>
Date: Fri, 18-Jul-86 16:39:30 EDT
Article-I.D.: nikhefk.24
Posted: Fri Jul 18 16:39:30 1986
Date-Received: Mon, 21-Jul-86 05:58:45 EDT
References: <4147@decwrl.DEC.COM>
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: NIKHEF-K, Amsterdam
Lines: 35
Keywords: //GS, VEGAS (Some specs on it)
Summary: Some specs of the new apple-baby VEGAS
Apparently-To: rnews@mcvax

In article <4147@decwrl.DEC.COM> barrisi@nymgr.dec.com writes:
>Sorry to clutter the Net with this again....
>Does anybody have an specs on it??
>JoE CrApArOtTa

Here the specs I known. This message was posted one month ago
(by a fault of me) only to Net.micro.mac and a (the) source of ...

Subject: New apple-baby VEGAS
Sender: henkp@nikhefk.UUCP (Henk Peek)
Keywords: VEGAS

From FIDO SAGA   +31 20 924442 (V21)   Amsterdam Holland

This week Apple has shown a new apple-baby the VEGAS to apple dealers

    Standaard RS232 and printerpoort
    7 slots
    512KB ram extendible to 8MB
    display 768*512, 128 colours of a 4096 colour palette
    disk and mouse controllers

Standard //e software is 6 times faster in 8 bit mode and
16 bit mode is faster.

The status of this new machine is not Known: successor, upgrade or ??

Public announcement september.

Henk Peek
UUCP: henkp@nikhefk@mcvax
MAIL: NIKHEF-K, PB 4395, 1009 AJ Amsterdam, Holland

PS: The processor is the 65816

From -3011715897503278864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4718ebdfd0418013
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-18 16:03:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!ll-xn!mit-amt!mit-eddie!genrad!decvax!wanginst!
apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Including DOS in marketable products
Message-ID: <2ef879d6.46@apollo.uucp>
Date: Fri, 18-Jul-86 19:03:16 EDT
Article-I.D.: apollo.2ef879d6.46
Posted: Fri Jul 18 19:03:16 1986
Date-Received: Sun, 20-Jul-86 03:46:04 EDT
References: <1367@burl.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Organization: Apollo Computer, Chelmsford, MA
Lines: 38

In article <1367@burl.UUCP> geoff@burl.UUCP (geoff) writes:
> Does anyone have any experience in including DOS in a product? I have
> seen stand-alone disks that boot the Apple, load themselves, and go.
> I assume they have a copy of DOS on the disk to load the program and
> to do any kind of disk read/write the program might need. Is this
> licensed through Apple? How much does it cost? I have a program
> that runs under DOS 3.3 right now, but I may move it to ProDos later.
> Currently, the user has to boot up (the correct version of) DOS, then
> BRUN the program. Since I will have two separate programs on the disk
> I can't get around the BRUN, but I would at least like to guarantee that
> the user has the right version of DOS.
>
> Thanks for your help,
>
> --
>
>   geoff sherwood
>   ...![ihnp4 ulysses cbosgd mgnetp]!burl!geoff

> ...![ihnp4 cbosgd akgua masscomp]!clyde!geoff
>
Write to Apple and ask for information on licensing their software. They'll send you a list of available software (which, by the way, includes some wonderful stuff for doing all of the Mac-like graphics under Prodos) and prices. The prices average about $50 a year to license the stuff, and they'll send you a master copy of whatever you order, plus any necessary documentation. All you have to do is sign a document telling them the name of the company (or yourself), the name of the software and a brief description of what it does.

-kee

--
Mail is welcome... ...{yale,uw-beaver,decvax!wanginst}!apollo!nazgul
Apollo Computer, Chelmsford MA. (617) 256-6600 x7587

There's so many different worlds, so many different suns
And we have just one world, but we live in different ones.
Dire Straits - "Brothers in Arms"

From 437252917824348370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75275bdceb5b6914,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-18 19:31:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!brl-adm!caip!meccts!dicome!ndsuvax!noaguile
From: noaguile@ndsuvax.UUCP
Newsgroups: net.micro.apple
Subject: Just 1 bit
Message-ID: <237@ndsuvax.UUCP>
Date: Fri, 18-Jul-86 22:31:06 EDT
Article-I.D.: ndsuvax.237
Posted: Fri Jul 18 22:31:06 1986
Date-Received: Tue, 22-Jul-86 09:07:03 EDT
Organization: North Dakota State University, Fargo, ND
Lines: 21

Hello, is it possible to read just 1 bit from the disk drive? how? I would

appreciate any help.

********* ********** ******** *******

From 334476217486522898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,6277f8fc99136428,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6277f8fc99136428,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-19 10:22:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!andromeda!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.micro
Subject: Apple Interference
Message-ID: <5372@topaz.RUTGERS.EDU>
Date: Sat, 19-Jul-86 13:22:22 EDT
Article-I.D.: topaz.5372
Posted: Sat Jul 19 13:22:22 1986
Date-Received: Sun, 20-Jul-86 06:09:15 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 12
Keywords: Apple->*<-TV conflict
Xref: watmath net.micro.apple:2934 net.micro:15137

Hello,
     I have a small problem with my apple. It seems that whenever (I use it, it interferes with the T.V. set, especially around channel 5. Does anyone know what I can do to stop this? Is something wrong with my Apple? Please help.

Thanks in advance.
John Langbein
(langbein@topaz)
(topaz!langbein)
(langbein@blue.ru (preference))

P.S. The T.V. & Computer are in different rooms far apart from each other, & have separate lines I think.

From 7072577805552215201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d3bdf1f23fc0ef41,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-19 11:36:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Terminal Emulation for Apple?
Message-ID: <5373@topaz.RUTGERS.EDU>
Date: Sat, 19-Jul-86 14:36:31 EDT
Article-I.D.: topaz.5373
Posted: Sat Jul 19 14:36:31 1986
Date-Received: Sun, 20-Jul-86 06:23:25 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 12
Keywords: Can Netmaster Do it? What can?

Can Netmaster for a Zoom Modem/Micromodem 2e me made to emulate a
VT100 or any termila that is similar? if so how? If not, what can I
get for a reaonable price (preferably free).

John Langbein
(langbein@topaz)
(langbein@blue)

John E Langbein
45 Brinckerhoff ave.
Freehold, N.J. 07728

From 5204640683696190175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,984d64b1a885e76e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-20 07:32:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!brl-adm!brl-smoke!brl-sem!gwyn
From: gwyn@brl-sem.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: ProDOS version of Aztec C released
Message-ID: <372@brl-sem.ARPA>
Date: Sun, 20-Jul-86 10:32:41 EDT
Article-I.D.: brl-sem.372
Posted: Sun Jul 20 10:32:41 1986
Date-Received: Mon, 21-Jul-86 04:58:50 EDT
Distribution: na
Organization: Ballistic Research Lab (BRL), APG, MD.
Lines: 17
Keywords: C ProDOS

Manx Software Systems (PO Box 55, Shrewsbury NJ 07701)
has just released Aztec C for the Apple][under ProDOS
(also supports cross-development for DOS 3.3). I have
a copy of this and recommend it if you have enough disk
(can be used with 2 floppy drives, but that involves a
large amount of disk-swapping). The compiler compiles

somewhat slowly (I usually go get a cup of coffee while
I wait) but produces good code, either native instruction
set (for speed) or interpreted (for small size). A CPU
accelerator would speed up compilation significantly.
The "commercial" package C65-C also includes a shell and
several utilities, such as grep, diff, and ved (vi-like
editor). The C library is pretty much like 7th Edition
UNIX's; I haven't had much trouble porting some of my
UNIX applications to the Apple using Aztec C.

For more info, see Manx ads in magazines such as Byte.

From 4931398719185032919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d3bdf1f23fc0ef41
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-21 20:19:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!caip!meccts!dicome!mmm!umn-cs!isucs1!UUCP!langbein
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Terminal Emulation for Apple?
Message-ID: <14200015@isucs1.UUCP>
Date: Mon, 21-Jul-86 23:19:00 EDT
Article-I.D.: isucs1.14200015
Posted: Mon Jul 21 23:19:00 1986
Date-Received: Thu, 24-Jul-86 00:33:16 EDT
References: <5373@topaz.RUTGERS.EDU>
Lines: 37
Nf-ID: #R:topaz.RUTGERS.EDU:-537300:isucs1.UUCP:14200015:000:1196
Nf-From: isucs1.UUCP!heins   Jul 21 22:19:00 1986

<eat this & die line eater...>

>Can Netmaster for a Zoom Modem/Micromodem 2e me made to emulate a
>VT100 or any termila that is similar? if so how? If not, what can I
>get for a reaonable price (preferably free).
>
>   John Langbein
>   (langbein@topaz)
>   (langbein@blue)

John,
   I don't know anything about NetMaster, but I do have a VT100 terminal
emulator that is Shareware. However it does not have a Micromodem //e
driver, but it does include instructions for writing drivers. If you are
interested, I may be able to get a copy of it to you. E-mail to me, and
we can try to work something out.
   I'm using it (dcom 3.21) right now on my Laser 128 (a //c clone) and it
seems to work fine with vi anyway. I'll have to try worms sometime to see
if it is reliable... I'm not sure what all of the VT100 it covers, and

what is missing, I just got it working.

Lee Heins
{umn-cs, okstate, csu-ccs}!isucs1!heins
hheins@iowa-state.CSNET

Or call my 24hrs BBS...
515/232-1117
300/1200bps
8 data bits, 1 stop bit, no parity.

Press "%" (a percent sign) as the first character to initialize the modem.

Or:
US Mail...
404 Garden Road
Ames, Iowa 50010

From -4194085224640133548
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75275bdceb5b6914
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-22 11:51:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!seismo!umcp-cs!eneevax!hsu
From: hsu@eneevax.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Just 1 bit
Message-ID: <36@eneevax.UUCP>
Date: Tue, 22-Jul-86 14:51:41 EDT
Article-I.D.: eneevax.36
Posted: Tue Jul 22 14:51:41 1986
Date-Received: Wed, 23-Jul-86 08:20:00 EDT
References: <237@ndsuvax.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 17

In article <237@ndsuvax.UUCP> noaguile@ndsuvax.UUCP (Valdir Aguilera) writes:
>
>   Hello, is it possible to read just 1 bit from the disk drive? how? I would
>appreciate any help.

Huh?

Just what are you trying to do?

-dave
--
David Hsu (301) 454-1433 || -8798   "It was Dave, not me..honest!" -eneevax
Communication & Signal Processing Lab / Engineering Computer Facility
The University of Maryland   -~-   College Park, MD 20742

ARPA:hsu@eneevax.umd.edu UUCP:[seismo,allegra,rlgvax]!umcp-cs!eneevax!hsu

"Get back in the cupboard, you pantomimetic regal person..."

From 7505656766127805359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75275bdceb5b6914
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-23 00:34:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!caip!meccts!dicome!mmm!umn-cs!isucs1!UUCP!
noaguile
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Just 1 bit
Message-ID: <14200016@isucs1.UUCP>
Date: Wed, 23-Jul-86 03:34:00 EDT
Article-I.D.: isucs1.14200016
Posted: Wed Jul 23 03:34:00 1986
Date-Received: Fri, 25-Jul-86 00:11:41 EDT
References: <237@ndsuvax.UUCP>
Lines: 20
Nf-ID: #R:ndsuvax.UUCP:-23700:isucs1.UUCP:14200016:000:912
Nf-From: isucs1.UUCP!heins   Jul 23 02:34:00 1986

To read just one bit, you'll have to read a whole sector (using DOS 3.3)
or a whole block (using ProDOS), and then extract the byte which contains
the bit you're looking for, and then use AND with the right mask to
mask out the other 7 bits in the byte, and a CMP to tell if its on or
off... or you could look in either "Beneath Apple DOS", or "Beneath
Apple ProDOS" both are by Peter Lechner and Don Worth and published by
Quality software. They detail the inner workings of their respective
DOSes, including GCR, and how bits are written and read from the disk.

Lee Heins
{umn-cs, okstate, csu-cs}!isucs1!heins
heins@iowa-state.CSNET

Note: I have no affiliation with Quality software except that I am a
satisfied owner of both of the books mentioned.

Disclaimer: My opinions are in no way the official opinions of Iowa State
University, and any resemblance thereof is purely coincidental...

From -2608681266246501335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbebb333f219a40d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-23 06:57:55 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!columbia!topaz!ll-xn!mit-amt!mit-eddie!genrad!decvax!
bellcore!ulysses!mhuxr!mhuxn!ihnp4!drutx!drune!nick
From: nick@drune.UUCP (SilvaNT)
Newsgroups: net.micro.apple
Subject: why not
Message-ID: <124@drune.UUCP>
Date: Wed, 23-Jul-86 09:57:55 EDT
Article-I.D.: drune.124
Posted: Wed Jul 23 09:57:55 1986
Date-Received: Thu, 24-Jul-86 21:04:45 EDT
Organization: AT&T Information Systems Labs, Denver, Co
Lines: 2
Keywords: test

This is just a test to see if I could get here from there.

From -5007745227370061193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d3bdf1f23fc0ef41
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-24 05:36:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Re: Terminal Emulation for Apple?
Message-ID: <5412@topaz.RUTGERS.EDU>
Date: Thu, 24-Jul-86 08:36:54 EDT
Article-I.D.: topaz.5412
Posted: Thu Jul 24 08:36:54 1986
Date-Received: Thu, 24-Jul-86 21:21:49 EDT
References: <5373@topaz.RUTGERS.EDU> <14200015@isucs1.UUCP>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 6
Summary: I am Interested

To the one who sent the reply on shareware, I am Interestd. Be sending
to you soon...
              John Langbein

"But Sire, I Cannot send to UUCP."

From 5356129881780213651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25ce6a29ec8c7139,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-24 06:55:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!mnetor!seismo!lll-crg!caip!clyde!cbatt!cbosgd!ihnp4!drutx!drune!nick
From: nick@drune.UUCP (SilvaNT)
Newsgroups: net.micro.apple
Subject: modem / diskdrive for sale
Message-ID: <125@drune.UUCP>
Date: Thu, 24-Jul-86 09:55:25 EDT
Article-I.D.: drune.125
Posted: Thu Jul 24 09:55:25 1986
Date-Received: Fri, 25-Jul-86 07:09:03 EDT
Organization: AT&T Information Systems Labs, Denver, Co
Lines: 8
Keywords: apple personal / disk][

I have two pieces of computer equipment that I would like to sell. The
first is an Apple Personal Modem (300/1200 baud) which will work with both
a //e or //c. This includes a cable for a //e. The second item is a disk][
disk drive. I'm asking $300 for the modem (which is only 3 months old) and
 $100 for the disk drive. You can reach me here at the Denver Labs at
extension x84320.
                                        -nick silva-

From 3706042015897752802
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,39943e5537ad5acc,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 129c11,39943e5537ad5acc,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,39943e5537ad5acc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-25 00:12:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!harvard!panda!genrad!decvax!ittatc!
dcdwest!sdcsvax!sdcc6!ix21
From: ix21@sdcc6.ucsd.EDU (David Whiteman)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: Steve Wozniak on radio
Message-ID: <2770@sdcc6.ucsd.EDU>
Date: Fri, 25-Jul-86 03:12:40 EDT
Article-I.D.: sdcc6.2770
Posted: Fri Jul 25 03:12:40 1986
Date-Received: Fri, 25-Jul-86 22:09:41 EDT
Organization: U.C. San Diego, Academic Computer Center
Lines: 22
Xref: mnetor net.micro:5670 net.micro.apple:1248 net.micro.mac:6368

Steve Wozniak will be a guest on the Larry King Show Monday
night/Tuesday morning 7/28 & 29 11 PM to 1 AM EDT. Larry King will
interview for the first hour and questions by phone will be accepted
during the second hour. The Larry King Show is carried live on the
Mutual Broadcasting System in Canada and the USA. If you want to
try to call in the phone number is 1 703 685 2177; let the phone
ring; they answer the phone right before you go on the air.

Monday/Tuesdays broadcast is at the Hyatt Hotel in Monterrey
California and is open to the public.

Stations in California carrying the broadcast include KFI 640 in Los
Angeles which carries the show live starting at 8PM PDT and will
repeat the interview at 12 midnight and 4 AM. KSDO 1130 in San
Diego and KCBS 740 in San Francisco will cover the show on a tape
delay starting at midnight.

--
David Whiteman,
University of California, San Diego

The America Cup, don't leave Perth without it.

From -42522627818095196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c80f976743172ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-25 09:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!mcvax!unido!ztivax!david
From: david@ztivax.UUCP
Newsgroups: net.micro.apple
Subject: Intl sharing of //e pgs, anyone?
Message-ID: <10400001@ztivax.UUCP>
Date: Fri, 25-Jul-86 12:09:00 EDT
Article-I.D.: ztivax.10400001
Posted: Fri Jul 25 12:09:00 1986
Date-Received: Tue, 29-Jul-86 03:06:22 EDT
Sender: notes@unido.UUCP
Lines: 13
Nf-ID: #N:ztivax:10400001:000:263
Nf-From: ztivax!david   Jul 25 17:09:00 1986

I am looking for someone in America who would like to exchange
programs and info with me. I have an Apple //e and I live in Germany.

My address is:

Jorg Enke
Steubenstr. 36
6900 Heidelberg

W-GERMANY

(just broke into this account - I'm a High School Hacker!)

From 7418432044739421331
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 15f443,833da527003d1577,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,833da527003d1577,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,833da527003d1577,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 120a1f,833da527003d1577,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-07-26 12:04:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro,net.micro.apple,net.wanted,net.wanted.sources
Subject: systems in Freehold area
Message-ID: <5426@topaz.RUTGERS.EDU>
Date: Sat, 26-Jul-86 15:04:21 EDT
Article-I.D.: topaz.5426
Posted: Sat Jul 26 15:04:21 1986
Date-Received: Sat, 26-Jul-86 22:07:06 EDT
Distribution: net
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7
Keywords: Net in freehold Area
Xref: mnetor net.micro:5677 net.micro.apple:1249 net.wanted:3526
net.wanted.sources:2089

Is there a BBoard in the Freehold (local calling) area that I can get
an account on so I can have acess to the net without the expensive
phone call? I am also looking for a place to download some PD software
for the Apple][. Thanks in advance.
                        John Langbein
                        (caip!topaz!langbein)

From 8238872346077399983
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-27 19:18:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsri.UUCP
Path: utzoo!utcsri!greg
From: greg@utcsri.UUCP (Gregory Smith)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <3184@utcsri.UUCP>
Date: Sun, 27-Jul-86 22:18:39 EDT
Article-I.D.: utcsri.3184
Posted: Sun Jul 27 22:18:39 1986
Date-Received: Sun, 27-Jul-86 22:29:11 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA>
Reply-To: greg@utcsri.UUCP (Gregory Smith)

Organization: CSRI, University of Toronto
Lines: 19
Summary:

In article <2245@brl-smoke.ARPA> gwyn@brl.arpa (Doug Gwyn (VLD/VMB) <gwyn>)
writes:
>I haven't seen mention of this, but interrupts during disk I/O
>can corrupt your disk. ProDOS supports interrupts but they're
>inhibited during critical timing loops. If you need interrupts
>
>I have to agree that the Apple][family is really not designed
>for real-time, multitasking use. There's no reason it shouldn't
>have been, except they didn't think of it in the first place.

Oh yeah? Any idea how much cost was saved (way back when) by making the
CPU work its tail off in disk I/O, rather than using an LSI disk controller
chip ? (Not to mention trimming everything from the drive, e.g door switch,
index hole sensor, track zero sensor. TUKATUKATUKATUKATUKATUKA!!)

--
"You'll need more than a Tylenol if you don't tell me where my father is!"
                              - The Ice Pirates

Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg

From 7625582149483433514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c80f976743172ef
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-28 05:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!mcvax!unido!ztivax!metal
From: metal@ztivax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Intl sharing of //e pgs, anyone?
Message-ID: <10400002@ztivax.UUCP>
Date: Mon, 28-Jul-86 08:26:00 EDT
Article-I.D.: ztivax.10400002
Posted: Mon Jul 28 08:26:00 1986
Date-Received: Thu, 31-Jul-86 23:49:35 EDT
References: <10400001@ztivax.UUCP>
Sender: notes@unido.UUCP
Lines: 4
Nf-ID: #R:ztivax:10400001:ztivax:10400002:000:85
Nf-From: ztivax!metal   Jul 28 13:26:00 1986

I sent your address immediately to the Landeskriminalamt in Wiesbaden

Good luck!!!!

From -1129862663740063729

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5732c7cd17f06717,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,5732c7cd17f06717,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,5732c7cd17f06717,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-29 05:29:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!think!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Still looking for Freehold feed.
Message-ID: <5449@topaz.RUTGERS.EDU>
Date: Tue, 29-Jul-86 08:29:08 EDT
Article-I.D.: topaz.5449
Posted: Tue Jul 29 08:29:08 1986
Date-Received: Tue, 29-Jul-86 21:36:26 EDT
Distribution: net
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 17
Keywords: Sorry, Already use New Brunswick.
Xref: mnetor net.micro:5700 net.micro.apple:1252 net.wanted:3542

Hello again.
     I would like to thank the respondants I have had so far. However, since I already have accounts in New Brunswick, and since Piscataway is right next to New Brunswick, it wouldn't make much of a difference (toll wise, reason I'm looking for net). Maybe I sould give you a little more info.
     I live in Freehold. I am looking for any system, but especially a net site, that is local or almost local to me. Local to me is Manalapan, Matawan, Homdel, Lakewood, Bricktown (some numbers), Toms River (some north TR numbers), and, due to scope, Red Bank. Of course, Freehold is local also. I would like any system (BBOARDs, whatever) in that area, or Net sites within a reasonable distance of that area. Again, thanks for you help in advance.

                    John Langbein
                    (topaz!langbein)
                    (caip!topaz!langbein)

From -1666398043974469749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1de788b8ae951da,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1de788b8ae951da,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,1de788b8ae951da,start
X-Google-Attributes: gid11946d,public
X-Google-ArrivalTime: 1986-07-29 09:10:26 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!harvard!panda!genrad!decvax!bellcore!
whuxcc!lcuxlm!whuxl!houxm!ihnp4!ihlpa!terry2
From: terry2@ihlpa.UUCP (Nelson)
Newsgroups: net.micro,net.dcom,net.micro.apple
Subject: DAK modem
Message-ID: <1593@ihlpa.UUCP>
Date: Tue, 29-Jul-86 12:10:26 EDT
Article-I.D.: ihlpa.1593
Posted: Tue Jul 29 12:10:26 1986
Date-Received: Thu, 31-Jul-86 02:01:46 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 19
Xref: mnetor net.micro:5708 net.dcom:1172 net.micro.apple:1255

*** REPLACE THIS LINE WITH YOUR QUESTIONABLE MODEM ***

Does anyone out there own the ADC 1200 baud modem that DAK is selling for $169? Specifically, is this modem capable of outpulsing the "*" symbol in the touch tone mode? Some "Hayes compatible" modems can only outpulse digits 0-9. The "*" symbol is used to disable Calls Waiting i.e. *70,5551234. Do you like the modem? Any problems?

Please E-mail responses. I'll post a summary if replies warrant.

Thanks!!!

--

..ihnp4!ihlpm!terry2 =-=-=-=-=-=-=-=-=-=-=-=-=- "All this is
| Terry Nelson | because of me
Keep | AT&T Bell Laboratories | and not my
It | Naperville, Illinois | employer!"
Warm =-=-=-=-=-=-=-=-=-=-=-=-=-

From 9190224542449867986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-29 19:51:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ut-sally!husc6!harvard!panda!genrad!decvax!mcnc!rti-sel!
jb
From: jb@rti-sel.UUCP (Jeff Bartlett)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <943@rti-sel.UUCP>
Date: Tue, 29-Jul-86 22:51:50 EDT
Article-I.D.: rti-sel.943
Posted: Tue Jul 29 22:51:50 1986
Date-Received: Thu, 31-Jul-86 02:00:25 EDT

References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA>
<3184@utcsri.UUCP>
Organization: Research Triangle Institute, NC
Lines: 35

> In article <2245@brl-smoke.ARPA> gwyn@brl.arpa (Doug Gwyn (VLD/VMB) <gwyn>)
writes:
> >I haven't seen mention of this, but interrupts during disk I/O
> >can corrupt your disk. ProDOS supports interrupts but they're
> >inhibited during critical timing loops. If you need interrupts
> >
> >I have to agree that the Apple][family is really not designed
> >for real-time, multitasking use. There's no reason it shouldn't
> >have been, except they didn't think of it in the first place.
>
> Oh yeah? Any idea how much cost was saved (way back when) by making the
> CPU work its tail off in disk I/O, rather than using an LSI disk controller
> chip ? (Not to mention trimming everything from the drive, e.g door switch,
> index hole sensor, track zero sensor. TUKATUKATUKATUKATUKATUKA!!)
>
> Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg

An Apple][with software disk control will beat a
   Radio Shack model II (w/controller) hands down in disk performance.

   * Faster track to track seek time.
   * Higher density.
   * Fast transfer times.

Also you can operate the disk spinning backward, or lay down spiral sectors.

Maybe they should include a 2nd CPU on-board to process IO.

(My grip is:
    "why didn't they tie the parallel keyboard input into the interupts",
'Can you say "POLL" boys and girls?, I thought you could.')

Jeff Bartlett   mcnc!rti-sel!jb
Center for Digital Systems Research
Research Triangle Institute

From 1468132035720291380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-31 14:11:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!ll-xn!cit-vax!amdahl!bnrmtv!timlee
From: timlee@bnrmtv.UUCP (Timothy Lee)
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disks

Message-ID: <569@bnrmtv.UUCP>
Date: Thu, 31-Jul-86 17:11:29 EDT
Article-I.D.: bnrmtv.569
Posted: Thu Jul 31 17:11:29 1986
Date-Received: Sat, 2-Aug-86 22:12:43 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA>
<3184@utcsri.UUCP> <943@rti-sel.UUCP>
Organization: Bell Northern Research, Mtn. View, CA
Lines: 23

> An Apple][with software disk control will beat a
>   Radio Shack model II (w/controller) hands down in disk performance.
>
>   * Faster track to track seek time.
>   * Higher density.
>   * Fast transfer times.

    * Much better reliability !!!
      Early RSTRS80M2 disk drives came up with error nearly 1 out of 8
      times with premium disks (with cheapo disks, 1 out of 4). This
      required the addition of an `external data separator' (whatever).
      One issue of Byte tells you how to build one, and many issues of
      Byte had ads trying to sell `external data separators'.

>
> Also you can operate the disk spinning backward, or lay down spiral sectors.

How do you spin the disk backward, other than turning it upside down? Note
that turning upside down, while not the best thing for your disks, is possible
because the Apple disk drive and software ignore the index hole. Ever notice
that when a piece of software has the Apple version on one side of the disk
and the other has the TRS80|Atari|Commodore|IBM version, the Apple side is
always on the back? That all has to do with index holes.

From -1616316031191834395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-01 17:17:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <239@neoucom.UUCP>
Date: Fri, 1-Aug-86 20:17:08 EDT
Article-I.D.: neoucom.239
Posted: Fri Aug 1 20:17:08 1986
Date-Received: Sat, 2-Aug-86 10:42:20 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA> <943@rti-
sel.UUCP>
Organization: Northeastern Ohio Universities College of Medicine

Lines: 35
Summary: The disk drive motor

True, it would have been very convenient to make the keyboard strobe generate interrupts as an option-- that is something I never understood, as it wouldn't have really cost much to implement.

I've always been impressed at how much it is possible to eake out of an Apple II+. The Apple is still one of my favorite machines to work with.

As far as interrupts and DOS 3.x go. DOS routines always perform a SEI instruction before entering time-critical sections. The problem crops up because some parts of the ROM code use $45 as a scratch pad, and so does the BRK/IRQ detection code at $FA40, thus an interrupt arriving at just the wrong moment can cause deviant behavior. I got around that by burning a ROM that had a different IRQ vector at $FFFE.

I wouldn't recommend changing one's ROM unless absolutely necessary. ProDOS has fixed the problems of sloppy interrupt handling, the only problem is the delay-- oh well.

I always wished I could meet Woz and ask him why the Apple II avoids all use of the interrupts internally-- I suppose that he'd remark so as to provide 100% flexibility for peripherals to use them.

By the way, a little addenda to the previous article... I don't really think that the apple diskette can be spun backwards, if inserted nomally, in an unmodified Apple drive. The spindle motor is driven directly from the 12 volt supply, and has no means for polarity reversal or speed control-- otherwise, quite correct.

Bill
NEOUCOM
Rootstown, Ohio
wtm@neoucom (...!allegra!neoucom!wtm)

From 5083046205822677218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 163b79,518d3138c24bda2e,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 15f443,518d3138c24bda2e,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,518d3138c24bda2e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13fc5c,518d3138c24bda2e,start
X-Google-Attributes: gid13fc5c,public
X-Google-Thread: 12f221,518d3138c24bda2e,start
X-Google-Attributes: gid12f221,public
X-Google-ArrivalTime: 1986-08-01 21:47:33 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!lll-crg!topaz!uwvax!husc6!harvard!panda!genrad!decvax!
ittatc!bunker!wtm
From: wtm@bunker.UUCP (Bill McGarry)
Newsgroups: net.micro.apple,net.wanted,net.research,net.general,net.misc
Subject: Software for handicapped: Beta test sites needed
Message-ID: <1151@bunker.UUCP>
Date: Sat, 2-Aug-86 00:47:33 EDT
Article-I.D.: bunker.1151
Posted: Sat Aug 2 00:47:33 1986
Date-Received: Sat, 2-Aug-86 23:34:10 EDT
Reply-To: wtm@bunker.UUCP (Bill McGarry)
Followup-To: net.followup
Organization: Bunker Ramo, Trumbull Ct
Lines: 143
Keywords: software, handicapped
Xref: mnetor net.micro.apple:1262 net.wanted:3582 net.research:402 net.general:813
net.misc:2487

The following article appeared in the Handicapped Digest mailing list
and was received from Frank Belvin (security!fb) who got it from the
info-apple mailing list. For further information, please respond
to the addresses listed at the end of the article.

Bill McGarry
Moderator Handicapped Digest
Bunker Ramo, Trumbull, CT
{decvax, philabs, ittatc, fortune}!bunker!wtm
(203) 386-2749

P.S. The Handicapped Digest is a mailing list for and about the
handicapped/disabled not only in computer related issues but also
in such areas as employment, education, medical, legal, etc. For
more information on the Digest or to be added to the mailing list,
please contact me directly at:
     {decvax, philabs, ittatc, fortune}!bunker!wtm

****

Subject: beta sites wanted

I saw this on the mailing list info-apple; I don't know if you've
already received a similar posting, but thought this might be
appropriate for the HC Digest.

Frank

Received: from umass-cs by csnet-relay.csnet id ax12285; 23 Jul 86 1:18 EDT
Date: Tue, 22 Jul 86 13:25 EST
From: STANKULI%cs.umass.edu@csnet-relay.arpa
To: info-apple%brl.arpa@brl-smoke.arpa

Subject: betatest sites needed

i am interested in establishing a number of beta-testing sites for some software concerning the handicapped. these programs have been written by some of my students and myself, and i want some people to test and report back on the software. we will send self-addressed postage-paid envelopes and questionaires with the diskettes to any interesting site.

the major entry requirement is access to an Apple II (+,e,c (no gs yet)) and an interest in programming for handicapped people. if you have these and will send me your USmail address (yes, USSnail), i will put you in a database for mailing betatest diskettes.

the software concerns communication prosthesis for profound physical disability. (this software can be evaluated by anyone who can read a monitor screen and depress any key or gameio button.) the prime description of the disabled population is the ability to close a single switch (or more) which is taken as an input response to a microcomputer. i am primarily interested in people who can field test single-switch software with physically disabled people, but will send beta-test diskettes to a lot of sites who have only the Apple II to run the tests. many of the tests involve only reading and the response to the the test item.

the immediate software to be tested are two programs concerning scanning use of simple cognitive (elementary school level) graphics information. one of the programs only moves cubical blocks in a 3-dimensional space to form towers, arches and other blocks-world structures. the other composes simple melodies after scanning pitch and duration and then produces standard european notation into monitor, file, or printer. another betatest will concern the writing and executing of Applesoft BASIC programs by single-switch scanning without firmware support. later betatests include scanning in icon systems and alphabet scanning to produce text with word guessing and phrase selection (for use in any (even nonEnglish) language).

if you can get an Apple II to test our software, send me anwsers to the following questions:

UMASS/COINS questionaire:

```
   1.  US Mail adress:        (* so we can mail you diskettes             *)

   2.  ARPANET address:       (* for immediate questions                  *)
                              (*     (other e-mail nets, let me know)     *)

   3.  Apple II model:        (* II+ IIe or IIc, 64K minimum desired      *)
                              (* include hardware configuration of cards  *)

   4.  disabled user(s):      (* how many available at your site          *)

     a.  type disability:     (* prefer profund physical impairment;      *)
```

```
                              (*    we expect cerebral palsy,              *)
                              (*              spinal cord injury,          *)
                              (*              brain damage,                *)
                              (*              ALS syndrome, etc.           *)
                              (*    if you have disabled people available  *)
     b.  other software used
         by disabled user(s): (* optimal users or staff are familiar with  *)
                              (*              WORDS+                       *)
                              (*              HANDICAPPED TYPEWRITER       *)
                              (*              THE COMMUNICATOR             *)
                              (*              MESSAGE MAKER                *)
                              (*              MESSAGE WRITER               *)
                              (*              EXPRESS II or III            *)
                              (*              LIGHT TALKER                 *)
                              (*              ADAPTIVE FIRMWARE CARD       *)
                              (*              MINSPEAK                     *)
                              (*           or other single-switch method   *)

    5.  interest in beta-test: (* if you have no disabled users tell us why *)
                              (* you are interested in software test       *)
                              (* if you have disabled user(s) tell us what *)
                              (* you can about them                        *)
```

---

please search for ANYONE in your area who could participate in our betatest with your help. we will correspond through USmail with any interesting site if you will help establish initial e-mail contact. i do not want to send exploratory snailmail messages to sites that haven't first responded through e-mail.

i am particularly interested in any site that knows of a person with near maximum physical impairment... someone who has a physical impairment interfering with the normal communication methods (speaking, writing, and gesturing). if you don't know know a physically disabled person, all of our programs can be tested by yourself or children with simple communication abilities. if you have any doubt that you may qualify or have an interest in a beta-test, write me. in the next couple years my research will involve fundamental physical communication in any rommance language (output specifiable in a standard character set). this computer application includes many of the primary questions in psychology, education, artificial intelligence, knowledge bases, and natural languages.

reply to:

ARPANET : STANKULI@UMASS-CS.CSNET

USmail : Stan Kulikowski II
Computer & Information Science
A305 Graduate Research Center
University of Massachusetts
Amherst, MA 01003

please post this announcement on any BBS or e-mail list with interest in handicapped people or Apple II software.

stan

From 3821613589044212751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-03 11:05:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!mnetor!seismo!umcp-cs!eneevax!hsu
From: hsu@eneevax.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disks
Message-ID: <67@eneevax.UUCP>
Date: Sun, 3-Aug-86 14:05:29 EDT
Article-I.D.: eneevax.67
Posted: Sun Aug 3 14:05:29 1986
Date-Received: Mon, 4-Aug-86 01:32:16 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA>
<3184@utcsri.UUCP> <943@rti-sel.UUCP> <569@bnrmtv.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 41

In article <569@bnrmtv.UUCP> timlee@bnrmtv.UUCP (Timothy Lee) writes:
>> An Apple][with software disk control will beat a
>> Radio Shack model II (w/controller) hands down in disk performance.
>>
>> * Faster track to track seek time.
>> * Higher density.
>> * Fast transfer times.
> * Much better reliability !!!
> Early RSTRS80M2 disk drives came up with error nearly 1 out of 8
> times with premium disks (with cheapo disks, 1 out of 4). This
> required the addition of an `external data separator' (whatever).
> One issue of Byte tells you how to build one, and many issues of
> Byte had ads trying to sell `external data separators'.

Two reasons:
1) the old full-height SA350's were, in my book, some of the best drives
ever made. Sure, just about everybody else outperformed them in
storage, or speed, or something, but when was the last time you had
to do a head alignment? The only adjustment that they ever needed
was along the lines of calibrating the motor speed.
2) Another testimony to the design of the (bare-bones) 3470 floppy
read-write chip. Of course, Western Digital was more concerned with
other controller features.

>>
>> Also you can operate the disk spinning backward, or lay down spiral sectors.
>

>How do you spin the disk backward, other than turning it upside down? Note

Yeah, how DO you spin the disk backwards? I mean, without swapping the
polarity of the motor's power connector?

-dave
--
David Hsu (301) 454-1433 || -8798 || -8715   "I know no-thing!" -eneevax
Communications & Signal Processing Laboratory / EE Systems Staff
Systems Research Center, Bldg 093   / Engineering Computer Facility
The University of Maryland   -~-   College Park, MD 20742
ARPA: hsu@eneevax.umd.edu   UUCP: [seismo,allegra,rlgvax]!umcp-cs!eneevax!hsu

"Get back in the cupboard, you pantomimetic regal person..."

From -8688403386872622702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-03 22:06:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsri.UUCP
Path: utzoo!utcsri!greg
From: greg@utcsri.UUCP (Gregory Smith)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <3222@utcsri.UUCP>
Date: Mon, 4-Aug-86 01:06:22 EDT
Article-I.D.: utcsri.3222
Posted: Mon Aug 4 01:06:22 1986
Date-Received: Wed, 6-Aug-86 10:20:49 EDT
References: <283@ski.UUCP>
Reply-To: greg@utcsri.UUCP (Gregory Smith)
Organization: CSRI, University of Toronto
Lines: 82
Summary:

In article <943@rti-sel.UUCP> jb@rti-sel.UUCP (Jeff Bartlett) writes:
>> >I haven't seen mention of this, but interrupts during disk I/O
>> >can corrupt your disk.
>> >
>> >I have to agree that the Apple][family is really not designed
>> >for real-time, multitasking use. There's no reason it shouldn't
>> >have been, except they didn't think of it in the first place.
>
>> Oh yeah? Any idea how much cost was saved (way back when) by making the
>> CPU work its tail off in disk I/O, rather than using an LSI disk controller
>> chip ? (Not to mention trimming everything from the drive, e.g door switch,
>> index hole sensor, track zero sensor. TUKATUKATUKATUKATUKATUKA!!)
>>
>> Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg
>

>An Apple][with software disk control will beat a
>   Radio Shack model II (w/controller) hands down in disk performance.

My brother recently purchased a //c (which is why I am reading this grp) and
I am impressed at the speed of the disk. But I imagine your comparison is
more of a reflection on the Radio Shack...

I have an EPSON QX-10 ("A WHAT??" I hear you say...) with controller and DMA.
With one of the operating systems, a BIOS call to write the disk will return
immediately and perform the write in the background, even if the drive needs
spinning up first.
The point is that the Apple implementation makes it impossible to handle
interrupts (or anything else) during disk i/o.

>
>   * Faster track to track seek time.
>   * Higher density.
>   * Fast transfer times.

Yes, and the latter two are impressive, given the software support required.
>
>Also you can operate the disk spinning backward, or lay down spiral sectors.

Can you operate the disk spinning backwards? Do Tell.
As for spiral sectors, the inability of hardware to do such nasties protects
users from horrible copy-protection schemes. This applies to half-tracking,
as well.

>
>Maybe they should include a 2nd CPU on-board to process IO.
>
>(My grip is:
>   "why didn't they tie the parallel keyboard input into the interupts",
>'Can you say "POLL" boys and girls?, I thought you could.')

Yes. Can you say "No typeahead without the software doing handstands?"
Even a keyboard interrupt would not allow typeahead during disk i/o
without a 'real' disk controller.

The problem with all this, is that any mods to the Apple II line must
be compatible with all previous software. 90% of the value of an Apple
is due to this software base. If this were not the case, the //e would have
been VERY different. They would have used a CRT controller chip to
straighten out the screen addressing, e.g., and they might even have
switched to a decent processer.

Don't get me wrong, the original design of the Apple][gave excellent
performance for the price at the time (sure beat the PET). But the
momentum of compatibility has caused much grief as the machine has
outlived its design. Of course 96% of users will never know
or care about this, but dyed-in-the-wool bit-hackers like me will...

What bothers me is that even the Apple //c goes 'TUKATUKATUKATUKA' when

aligning its head. If the processor sent 'step in' and 'step out'
pulses to the hardware, it would be a simple matter to add a track-0
sensor and disable the step-out signal when it sensed track-0. It seems (?)
that the CPU directly controls the stepper-motor coil signals though, so
this annoying noise cannot be easily eliminated without modifying the CPU's
view of the controller, which would break software that bypasses DOS and
would thus be Impossible. I believe Apple would have loved to eliminate
this if it were possible to do it at reasonable cost.

--
"You'll need more than a Tylenol if you don't tell me where my father is!"
                              - The Ice Pirates

Greg Smith   University of Toronto   UUCP: ..utzoo!utcsri!greg

From 4784477136632621761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,2fdbeb4e8f673b62,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,2fdbeb4e8f673b62,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-05 08:42:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!sri-spam!nike!ucbcad!ucbvax!hplabs!sdcrdcf!trwrb!
bwong
From: bwong@trwrb.UUCP (Bradley W. Wong)
Newsgroups: net.micro.apple,net.micro.pc
Subject: IBM RGB MONITOR TO APPLE
Message-ID: <1211@trwrb.UUCP>
Date: Tue, 5-Aug-86 11:42:14 EDT
Article-I.D.: trwrb.1211
Posted: Tue Aug 5 11:42:14 1986
Date-Received: Thu, 7-Aug-86 05:58:08 EDT
Organization: TRW EDS, Redondo Beach, CA
Lines: 5
Xref: watmath net.micro.apple:2964 net.micro.pc:9495

I have a IBM RGB monitor and want to hook it up to an APPLE IIE are there
interface cards avaliable for this??

                  Brad Wong
                  ucbvax!trwrb!bwong

From -492739575101305757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,2fdbeb4e8f673b62
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,2fdbeb4e8f673b62
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-07 05:02:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!caip!think!husc6!harvard!cmcl2!philabs!aecom!marty
From: marty@aecom.UUCP (Martin Lewitter)
Newsgroups: net.micro.apple,net.micro.pc
Subject: Re: IBM RGB MONITOR TO APPLE
Message-ID: <415@aecom.UUCP>
Date: Thu, 7-Aug-86 08:02:11 EDT
Article-I.D.: aecom.415
Posted: Thu Aug 7 08:02:11 1986
Date-Received: Sat, 9-Aug-86 07:53:51 EDT
References: <1211@trwrb.UUCP>
Organization: Albert Einstein College of Medicine/Yeshiva University
Lines: 24
Xref: watmath net.micro.apple:2971 net.micro.pc:9529

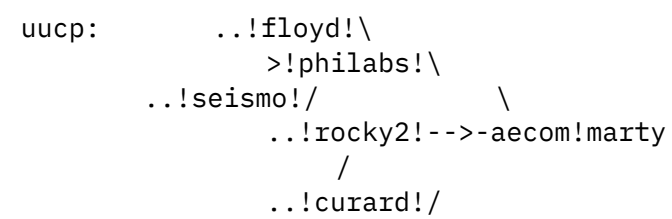
> I have a IBM RGB monitor and want to hook it up to an APPLE IIE are there
> interface cards avaliable for this??
>
>   Brad Wong
>   ucbvax!trwrb!bwong

The only one I'm aware of off the top is the Applied Engineering RGB option
to their newest memory card, RAMWORKS III. The option has both Apple & IBM
RGB outputs, seemingly being able to use either type of monitor on the Apple.

AST and/or Quadram may make one too.

Cost for Ramworks III: Ramworks w/ 64K $179   (List)
                RGB Optiob $129   (List)

Marty Lewitter
Albert Einstein College of Medicine



From -5546383341585348118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4183b2a82307bdff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-07 05:58:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!seismo!mcvax!ukc!reading!minster!Bennett
From: Bennett@minster.UUCP (Bennett)
Newsgroups: net.micro.apple
Subject: RANA Drives ... again
Message-ID: <874@minster.UUCP>
Date: Thu, 7-Aug-86 08:58:05 EDT
Article-I.D.: minster.874

Posted: Thu Aug 7 08:58:05 1986
Date-Received: Sat, 9-Aug-86 06:15:05 EDT
Organization: University of York, England
Lines: 9

A few months ago I put out a request for help with RANA drives and Prodos,
luckily someone replied, and now I have both the disk (update) and
the manual for the Elite 1. However, the manual is devoid of all references
to Prodos and the disk is far from self-documenting.

Does anyone have an Elite II manual they no longer need and/or the
instructions on how to update Prodos to cater for double sided drives ?

All help greatly appreciated !

From -8828654566294152754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e4675cb19610f862,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,e4675cb19610f862,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-08-07 08:41:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: New Apple Kermit Request
Message-ID: <5516@topaz.RUTGERS.EDU>
Date: Thu, 7-Aug-86 11:41:18 EDT
Article-I.D.: topaz.5516
Posted: Thu Aug 7 11:41:18 1986
Date-Received: Sat, 9-Aug-86 04:20:24 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7
Keywords: Apple][Telecommunications
Xref: watmath net.micro.apple:2967 net.wanted.sources:2626

     I am looking for the latest source code for Kermit for the
Apple][. I have version 65 I believe, & it does't work right.
                        John Langbein
                        (topaz!langbein)
P.S. Before sending, check further on in the BBoard to see if I have
posted to say I have recieved a copy. Thanks Again.

From 9141432670205230740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-07 08:44:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!caip!lll-crg!seismo!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple
Subject: Re: Apple 2 disks
Message-ID: <5517@topaz.RUTGERS.EDU>
Date: Thu, 7-Aug-86 11:44:08 EDT
Article-I.D.: topaz.5517
Posted: Thu Aug 7 11:44:08 1986
Date-Received: Sat, 9-Aug-86 04:27:50 EDT
References: <283@ski.UUCP> <175@uvicctr.UUCP> <2245@brl-smoke.ARPA>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 3

To Spin a Disk Backwards means you flip the Floppy over to the other
side. Apple drives don't use the guide hole.
              John

From -8604175746054884718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,64f7cbd63b9c3920,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,64f7cbd63b9c3920,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-07 09:48:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!lll-lcc!vecpyr!amd!pesnta!ucat!pyramid!
hplabs!felix!fritz!jim
From: jim@fritz.UUCP (Jim Gilbert)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: PCPI Applicard Tech Info
Message-ID: <1537@fritz.UUCP>
Date: Thu, 7-Aug-86 12:48:43 EDT
Article-I.D.: fritz.1537
Posted: Thu Aug 7 12:48:43 1986
Date-Received: Sat, 9-Aug-86 10:50:49 EDT
Reply-To: jim@fritz.UUCP (Jim Gilbert)
Organization: FileNet Corp., Costa Mesa, CA
Lines: 52
Xref: watmath net.micro.apple:2973 net.micro.cpm:5766

I would like to obtain the following reference information for the PCPI
Applicard Z-80 processor and the accompanying CP/M implementation.
I think that Personal Computer Products Inc. was purchased by Micropro or
went out of business.

I know some people know this (employees of Empathy Software, former
PCPI employees), and there must be somewhere to write to obtain
at least some hardware reference information.

Now it gets boring:

Apple View of Applicard:
- use of standard slot-dependent addresses for scratch RAM, ROM, and interprocessor communication
- interrupt daisy chain handling
- dma daisy chain handling
- location, size, and entry points of 6502 monitor
- boot sequence

Applicard view of itself and the Apple
- RAM and ROM addressing/bank switching
- i/o space resources
- ports used to interface to 6502
- boot sequence
- writing and installing device drivers

Hardware
- schematics
- meaning of the 2x4 and the 2x25 jumpers or expansion connectors

I have done various CP/M OEM ports, written drivers, spoolers, etc. and am very familiar with all the insides of the Microsoft Softcard implementation.

I know I can figure all this out again by disassembling lotsa code. And I can figure out the hardware by tracing the etch of both sides of the board and reverse-engineering the schematics. This is just an extremely tedious process.

I would be willing to pay a modest amount, e.g. under $20 for significant portions of the information mentioned. I have no commercial interest in any of this. I am merely exploring this implementation.

Thank you kindly for your interest if you have read this far. Any assistance will be appreciated.

Jim Gilbert
FileNet Corporation
3530 Hyland Ave.
Costa Mesa, CA 92626

ihnp4!trwrb!felix!jim

From 1640164217135432488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,422bae7428cf5a6e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-08 13:22:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ucbvax!ucbcad!nike!think!
mit-eddie!genrad!panda!harvard!husc6!h-sc4!clarke
From: clarke@h-sc4.harvard.edu (cam clarke)
Newsgroups: net.micro.apple
Subject: Apples, modems, and information

Message-ID: <159@husc6.HARVARD.EDU>
Date: Fri, 8-Aug-86 16:22:32 EDT
Article-I.D.: husc6.159
Posted: Fri Aug 8 16:22:32 1986
Date-Received: Mon, 11-Aug-86 04:00:24 EDT
Sender: news@husc6.HARVARD.EDU
Reply-To: clarke@h-sc4.UUCP (cam clarke)
Distribution: net
Organization: Harvard Science Center
Lines: 31
Keywords: communications, modem, upgrade

I haven't touched an Apple in about 2 years, so I'm afraid that I've gotten a bit out of touch. If someone could help me get up to speed by answering some questions I'd really appreciate it.

I've now got an Apple //e, Duo disk drive, 64K and another 64K on the 80 column card and a Panasonic printer. I've ordered an internal "Hayes Command Compatible" modem, with the option to return in 30 days.

Questions are:

1) What's a communications program that's cheap? For example, does Kermit exist for the //e? Is there anything that supports XMODEM file transfers? I don't need a lot of fancy stuff, but I'd like to XMODEM files to CompuServe and kermit them to a VAX.

2) I was vaguely aware that an upgrade came out for the //e that gave it the extras that the //c has, but at the time I didn't have a //e. Can anyone tell me if it's necessary (i.e. is new software not going to run on an unenhanced machine?), and roughly what it costs?

3) How does one tell whether or not a modem is "good"? This one they said ran on all commercial software they had tried with the exception of ASCII Express--is this good or bad?

Any and all responses, hints and tips would be appreciated via mail, and if I get some replys I will summarize to the net.

-Cam Clarke
clarke%h-sc4@harvard.ARPA clarke%h-sc4@harvard.HARVARD.EDU
clarke@h-sc4.UUCP clarke@HARVUNXU.BITNET
..{sesimo, harpo, ihnp4, linus, allegra, ut-sally}!harvard!h-sc4!clarke

From -8118128255369149246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,2fdbeb4e8f673b62
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,2fdbeb4e8f673b62
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-08 16:06:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!cbatt!cbosgd!ihnp4!houxm!mtuxo!mtune!akguc!akgua!mcnc!
ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple,net.micro.pc
Subject: Re: IBM RGB MONITOR TO APPLE
Message-ID: <1904@ecsvax.UUCP>
Date: Fri, 8-Aug-86 19:06:45 EDT
Article-I.D.: ecsvax.1904
Posted: Fri Aug 8 19:06:45 1986
Date-Received: Sun, 10-Aug-86 19:59:21 EDT
References: <1211@trwrb.UUCP>
Organization: UNC Educational Computing Service
Lines: 15
Xref: watmath net.micro.apple:2975 net.micro.pc:9549

> I have a IBM RGB monitor and want to hook it up to an APPLE IIE are there
> interface cards avaliable for this??
>
>   Brad Wong
>   ucbvax!trwrb!bwong

   Yes, the Ramworks and Checkmate memory cards have RGB capability
The Ramworks RGB has both Apple and IBM type RGB and costs $129 and is
added to the Ramworks card. I believe RGB is included with the
Checkmate card. The Apple type RGB devices can be converted with a
Mappler from Video 7 to work with IBM type RGB. So if you have a IIc or
an Apple RGB/64K card you can do this. The Laser 128 connects directly
to an IBM type RGB monitor with a $25 cable from Central Point Software.
The Laser has only white text, however. Taxan, Princeton Graphics and
others also make RGB cards for the IIe.

From -7799116787879147634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 16ddec,b587a6d9f33ecefb,start
X-Google-Attributes: gid16ddec,public
X-Google-Thread: 129c11,b587a6d9f33ecefb,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b587a6d9f33ecefb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-08-08 17:42:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site fritz.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ucbvax!hplabs!felix!fritz!
look
From: look@fritz.UUCP (Craig Look)
Newsgroups: net.games.chess,net.micro,net.micro.apple
Subject: Chess Software for Micros
Message-ID: <1552@fritz.UUCP>
Date: Fri, 8-Aug-86 20:42:25 EDT
Article-I.D.: fritz.1552
Posted: Fri Aug 8 20:42:25 1986
Date-Received: Mon, 11-Aug-86 03:16:40 EDT

Distribution: net
Organization: FileNet Corp., Costa Mesa, CA
Lines: 18
Xref: watmath net.games.chess:447 net.micro:15317 net.micro.apple:2976

1) Does anyone know which chess program plays the stronger game
   (at equal time response levels) between "Chessmaster" and "Sargon III"?

2) Does anyone know if there are any newer chess programs on the market
   for micros?

3) Does anyone know if these programs (Chessmaster, Sargon III) have
   been given USCF type ratings?

If you mail a response I will post the results later.

Thankyou in advance.

--
Craig Look
FileNet Corp.
{hplabs,trwrb}!felix!look

From 1012566207674487347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,a7653b43b1d72fa,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,a7653b43b1d72fa,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,a7653b43b1d72fa,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-29 21:48:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!lll-lcc!pyramid!decwrl!rost
From: rost@decwrl.DEC.COM (Randi Rost)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: Lisa/Macintosh XL for sale
Message-ID: <3939@decwrl.DEC.COM>
Date: Mon, 30-Jun-86 00:48:54 EDT
Article-I.D.: decwrl.3939
Posted: Mon Jun 30 00:48:54 1986
Date-Received: Tue, 1-Jul-86 02:05:21 EDT
Organization: Digital Equipment Corp., Palo Alto, CA
Lines: 2
Xref: watmath net.micro:14965 net.micro.apple:2863 net.micro.mac:6763

Lisa 2/10 (10Mbyte hard disk) with 7/7. Asking $2500, includes within
U.S. Will consider offers as well. Send e-mail to obtain more details.

From -1792879344338104714

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-29 23:20:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!ron1!polyof!polyob!julerio1
From: julerio1@polyob.UUCP (A1 jose ulerio1)
Newsgroups: net.micro.apple
Subject: Re: Re: ProDOS bug??
Message-ID: <184@polyob.UUCP>
Date: Mon, 30-Jun-86 02:20:36 EDT
Article-I.D.: polyob.184
Posted: Mon Jun 30 02:20:36 1986
Date-Received: Fri, 4-Jul-86 00:30:51 EDT
References: <1402@pucc-j> <1749@ecsvax.UUCP>
Organization: Polytechnic Inst. of NY, Brooklyn NY
Lines: 30

> >
> > In article <3749@decwrl.DEC.COM> you write:
> > >>I have had a problem when running in ProDOS for quite awhile...
> > > >
> > > >>I run a BBS...
> > > >
> > > >>Every now and then, when the program would CHAIN to another section, the
> > > >>disk drive would just lock up!
> > > >
> > > >>If it makes any difference, I am running on an enhanced //e, 128k 80col
card,
> > > >>two floppies, and a Sider 10meg drive (it's for sale by the way).
> > > >
> > > >>   Tom Arnold -- Purdue University
> > >

     If you're running under PRODOS v1.1.1, there has been a definite and publicly documented bug discovered in BASIC.SYSTEM. Luckily, a solution was made shortly after the bug was discovered. If you're technically inclined, the complete explanation of the bug and its fix appeared in the June and Nov. 1985 issues of C.A.L.L. Apple, respectively. All you need to fix CHAIN is one poke before you go on to do anything else.. this poke comes from the April '86 issue of Open-Apple.

```
1 IF PEEK(49149) = 1 THEN POKE 41859,3 : REM check for V1.1.1, then fix CHAIN
```

     The problem arises when the length of the variable tables becomes an exact multiple of 256. When that length is achieved, BASIC.SYSTEM tends to then go on and forget where the variable locs. were to begin with. This may or may not account for your drives locking up, though I'd assume if you were doing a disk command that involved a variable (as in the case of reading & updating user messages) it'd blow up just as well.

From -4258242015675641999
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 15c7fc,adff040e53598d86,start
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 119e22,adff040e53598d86,start
X-Google-Attributes: gid119e22,public
X-Google-Thread: 1197bb,adff040e53598d86,start
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 14b8a3,adff040e53598d86,start
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15517a,adff040e53598d86,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1520b8,adff040e53598d86,start
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 1622d3,adff040e53598d86,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,adff040e53598d86,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-06-30 15:02:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!styx!nike!ucbcad!ucbvax!decwrl!
cmullen@gold.dec.com
From: cmullen@gold.dec.com (Cynthia Mullen, at DTN 297-4818)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <3968@decwrl.DEC.COM>
Date: Mon, 30-Jun-86 18:02:48 EDT
Article-I.D.: decwrl.3968
Posted: Mon Jun 30 18:02:48 1986
Date-Received: Wed, 2-Jul-86 03:26:23 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 25
Xref: watmath net.nlang:4692 net.travel:2735 net.micro.pc:8927
net.micro.apple:2865 net.database:319 net.wanted:9068 net.politics:17013
net.jobs:2434

Recently someone from tecNICA has again started recruiting volunteers for
Nicaragua, on many addresses on USENET. When this began before, a lot
of people complained, a lot of bad feeling was generated, and the consensus
was that such articles should be restricted to net.politics. Now someone
has the gall to issue "Update # 2" repeating the pitch to support Nicaragua.

I'm disgusted. By disregarding the outcry against politicizing USENET,
these Nicaraguan supporters are doing just what their political comrades
do: they take advantage of existing structures, existing forums of free
exchange of ideas, to propagate ideas that would undermine the very
structures they abuse. They break any rules they want, THEY don't have
to follow the USENET conventions. Again they are like their political
counterparts - what Communist government ever followed the rules of democracy
or kept any treaty it made? Nicaragua is following that path - the leftists
kicked out or killed the people who helped bring about the overthrow of
Samoza. America gave millions of dollars to the new government, but Ortega

took over and invited Russians and Russian influence there. Does anyone
really want to see us supporting the present government of Nicaragua?

I'd like to see us flood their telephone numbers with complaints, and I
hope that those of us who see through their lies will be willing to
take a stand, even here, on the unbloody battlefield of USENET.

decwrl!dec-rhea!dec-gold!cmullen

From 3373603804482388510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aa8b93f00dec5baf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-01 10:44:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!ll-xn!cit-vax!amdahl!amdcad!tim
From: tim@amdcad.UUCP (Tim Olson)
Newsgroups: net.micro.apple
Subject: ProDOS 40 track patches
Message-ID: <12201@amdcad.UUCP>
Date: Tue, 1-Jul-86 13:44:59 EDT
Article-I.D.: amdcad.12201
Posted: Tue Jul 1 13:44:59 1986
Date-Received: Wed, 2-Jul-86 06:16:44 EDT
Organization: AMDCAD, Sunnyvale, CA
Lines: 82
Keywords: Here they are....

     "Beneath Apple ProDOS" by Don Worth and Pieter Lechner includes
the patches needed to convert ProDOS to work with 40-track drives. However,
these patches are for 1.0.1. I am listing the code I found around the
patch area in hopes that this code did not change from 1.0.1 to 1.1.1.
Therefore, all you have to do is search for the corresponding code in 1.1.1.
and patch the correct locations.

First, we must patch the driver to recognize 40-track drives:

```
     BLOAD PRODOS,TSYS,A$2000
     CALL -151
     520D:39
     3D0G
     BSAVE PRODOS,TSYS,A$2000
```

For those running 1.1.1, the code around the patch area is:

```
     5200-    A5 46         LDA  $46
     5202-    A6 47         LDX  $47
     5204-    8E 56 FB  STX  $FB56
     5207-    F0 07         BEQ  $5210
     5209-    CA       DEX
```

```
520A-    D0 2A         BNE  $5236
520C-    C9 18         CMP  #$18 <-- # blocks mod 256
                            (change to #$39)
520E-    B0 26         BCS  $5236
5210-    A0 05         LDY  #$05
5212-    0A       ASL
5213-    2E 56 FB ROL  $FB56
5216-    88       DEY
5217-    D0 F9         BNE  $5212
5219-    0A       ASL
521A-    90 02         BCC  $521E
521C-    09 10         ORA  #$10
521E-    4A       LSR
521F-    4A       LSR
5220-    4A       LSR
5221-    4A       LSR
```

Next, we must patch the FILER to create new 40-track diskettes:

```
BLOAD FILER,TSYS,A$2000
CALL -151
4244:39
79F4:28
3D0G
BSAVE FILER,TSYS,A$2000
```

Code around the patch areas:

```
423A-    A5 AC         LDA  $AC
423C-    8D 98 42 STA  $4298
423F-    A5 AA         LDA  $AA
4241-    D0 06         BNE  $4249
4243-    A9 18         LDA  #$18 <-- # blocks mod 256
                           (change to #$39)
4245-    A2 01         LDX  #$01
4247-    D0 25         BNE  $426E
4249-    AD 98 42 LDA  $4298
424C-    09 C0         ORA  #$C0
424E-    85 70         STA  $70
4250-    A9 FC         LDA  #$FC
```

```
79EF-    E6 D1         INC  $D1
79F1-    A5 D1         LDA  $D1
79F3-    C9 23         CMP  #$23 <-- # of tracks
                           (change to #$28)
79F5-    90 8B         BCC  $7982
79F7-    A9 00         LDA  #$00
79F9-    48       PHA
```

Good luck!

Tim Olson
Advanced Micro Devices
ihnp4!amdcad!tim

From 6729034772649320264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-02 13:22:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!panda!genrad!decvax!decwrl!pyramid!hplabs!
tektronix!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //GS
Message-ID: <572@ssc-bee.UUCP>
Date: Wed, 2-Jul-86 16:22:30 EDT
Article-I.D.: ssc-bee.572
Posted: Wed Jul 2 16:22:30 1986
Date-Received: Sat, 5-Jul-86 07:13:15 EDT
References: <3894@decwrl.DEC.COM> <279@ski.UUCP>
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 19

> >controllers, and seven expansion slots. The color display features
>
> >   768 x 512
>
> resolution with 128 colors available at any one time from a
> >palette of 4,096 colors."
>
Having owned both an Apple][and][e, I am almost afraid to ask
what restrictions are there on adjacent horizonal pixels. Other
owners are well aware that although the][e featured 560 x 200 (or
something like that), there were such severe restrictions on
adjacent pixels that the actual resolution was 190 x 200 (I am sure
some helpful soul will supply the exact numbers). So, did Apple
do it right this time? Can adjacent pixels have any arbitrary
colors?

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -3731134618890401021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9da2b2f38303d6f
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-07-02 20:30:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: Help with AE 80-column card?
Message-ID: <1627@mmintl.UUCP>
Date: Wed, 2-Jul-86 23:30:15 EDT
Article-I.D.: mmintl.1627
Posted: Wed Jul 2 23:30:15 1986
Date-Received: Fri, 4-Jul-86 04:45:25 EDT
References: <3769@decwrl.DEC.COM>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 37

In article <3769@decwrl.DEC.COM> binder@lando.dec.com writes:
>I just bought an Applied Engineering Viewmaster-80 card for my][+ and I'm
>having trouble using it with CP/M.
>
>My machine is homebuilt, not an official Apple, and it has a full keyboard.
>The AE card traps out ^A to switch its case lock, and it traps out ^K to
>generate a left bracket. I want to disable the ^A and ^K trapping, so that I
>can use the Turbo Pascal editor with its default key bindings. WordStar does
>the disable just fine, but I believe that's because WordStar has its own
>keyboard driver to allow typeahead. There's no documentation in the AE manual

Correct me if I'm wrong but you're obviously running a Microsoft Softcard
(or copy) with CP/M 2.2x. CP/M is doing the trapping cause most apples
can't type a '[' so ^K is trapped and translated. This also is done so that
^B becomes '\', ^U is a tab, and there's one other I can't remember, maybe
^@ or something.
You need to run configio.bas, which will read and write the I/O configuration
block where keyboard characters get redefined. This utility comes with Ms
CP/M 2.2x. You may be able to get some help with the ^A trapping from AE,
since this isn't one of the standard chars trapped by CP/M. Check for it
anyway in the keyboard character redefinition table with configio.bas.

*


```
        ************************************************
        *       Jeff Miller                            *
        *       Multimate International Corp.          *
        *       52 Oakland Avenue                      *
        *       East Hartford, CT  06108-9911          *
        *       (203) 522-2116 x257                    *
        *  UUCP:                                       *
        * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
        *                                              *
 -->    * P.S. I can't *mail* to ARPA but I can receive *    <--
 -->    * from there.  News I *post* should get there.  *    <--
        ************************************************
```

*

From -8547922635006625088
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-02 21:24:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!lsuc!watmath!clyde!caip!nike!ucbcad!ucbvax!hplabs!tektronix!orca!
hammer!patcl
From: patcl@hammer.UUCP (Pat Clancy)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <2144@hammer.UUCP>
Date: Thu, 3-Jul-86 00:24:42 EDT
Article-I.D.: hammer.2144
Posted: Thu Jul 3 00:24:42 1986
Date-Received: Fri, 4-Jul-86 05:02:30 EDT
References: <3968@decwrl.DEC.COM>
Reply-To: patcl@hammer.UUCP (Pat Clancy)
Organization: Tektronix, Wilsonville OR
Lines: 12
Xref: lsuc net.nlang:2394 net.travel:1461 net.micro.pc:4302 net.micro.apple:818
net.database:311 net.wanted:3678 net.politics:6492 net.jobs:1522

In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) writes:
>Recently someone from tecNICA has again started recruiting volunteers for
>Nicaragua, on many addresses on USENET....
>I'm disgusted. By disregarding the outcry against politicizing USENET,
>these Nicaraguan supporters are doing just what their political comrades...
[continues with further ravings about Nicaraguan Communists plotting to
take our Precious Bodily Fluids, or something to that effect]

If you're so concerned about politicizing USENET, why did you
post this puerile diatribe? If we can put up with headhunters

essentially having free use of the net for profit, surely solicitation
of volunteers by a non-profit organization is permissible.

From 4500030446540251688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f3deec0b4145adae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-02 23:44:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!gatech!akgua!akguc!mtune!mtuxo!houxm!ihnp4!
inuxc!pur-ee!pucc-j!air
From: air@pucc-j (Tom Arnold)
Newsgroups: net.micro.apple
Subject: ProApp20 Hard Drive
Message-ID: <1505@pucc-j>
Date: Thu, 3-Jul-86 02:44:41 EDT
Article-I.D.: pucc-j.1505
Posted: Thu Jul 3 02:44:41 1986
Date-Received: Sat, 5-Jul-86 05:33:08 EDT
Reply-To: air@pucc-j.UUCP (Tom Arnold)
Organization: Purdue University Computing Center
Lines: 27
Keywords: New 20 meg drive

I am interested in purchasing the new ProApp 20 meg hard disk drive, but as of
yet have not found anyone who has purchased one. I would like to talk to some-
one about the performance, etc. of this drive before shelling out the $1000 for
such a drive.

I called up the company and talked to one of their sales persons. He said that
you may have the Macintosh Plus (or the 128/512 Mac) hooked up at the same time
with an Apple][series computer! The only problem, he said, was that they
cannot be accessing at the same time. A minor drawback that they are currently
working on (yeah, right :-). So, does anyone have such a beast, or know of
anyone currently using one without any problems? I am mostly looking to use
this drive on my bulletin board system and run it 24 hours a day... can it
handle such a workload?

Feel free to reply here or in mail. If I get enough responses in mail, I will
post my findings here. I am new on here, so don't know my path for you to leave
me mail... you guys are smart, use the "Reply-To:" line and figure it out!

If you wish to call my board, it is called the Boiler Room -- 317-743-6762

...or call me voice at 317-743-3179 (after 5:30pm Indiana time).
...or on weekends, call 219-295-7046 (Elkhart, Indiana).

Thanks in advance!

Tom Arnold -- Purdue University

From -1930746321560233585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,197f50b3d400e0a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-03 07:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!convex!mcomp!
p40001
From: p40001@mcomp.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <10100005@mcomp>
Date: Thu, 3-Jul-86 10:46:00 EDT
Article-I.D.: mcomp.10100005
Posted: Thu Jul 3 10:46:00 1986
Date-Received: Mon, 7-Jul-86 01:15:44 EDT
References: <20@xrx3b.UUCP>
Lines: 13
Nf-ID: #R:xrx3b.UUCP:20:mcomp:10100005:000:416
Nf-From: mcomp.UUCP!p40001   Jul 3 09:46:00 1986

Why have everybody reply directly by mail? I'm sure info on an
Apple Kermit would be of great interest to other Apple users on the
net.

So, please post to the net if you are aware of an Apple Kermit!

Thanks!

Wolf N. Paul, 290 Dogwood, Plano, Tx. 75075
UUCP: { convex, infoswx, texsun!rrm }!mcomp!p40001
BIX: wnp   Phone: (214) 578-8023 W.U.ESL: 6283-2882

From -6917793062241603574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,769f3e10f542d5c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-03 08:35:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!decwrl!pyramid!hplabs!tektronix!uw-beaver!ubc-vision!alberta!
gordon
From: gordon@alberta.UUCP
Newsgroups: net.micro.apple
Subject: Request for details on an add for Hyper C
Message-ID: <10@alberta.UUCP>
Date: Thu, 3-Jul-86 11:35:44 EDT
Article-I.D.: alberta.10
Posted: Thu Jul 3 11:35:44 1986
Date-Received: Sun, 6-Jul-86 02:45:09 EDT
Distribution: na

Organization: U. of Alberta, Edmonton, AB
Lines: 15

On (or about) JUNE 9, 1986 and article came thru mentioning a Prodos C Compiler
for the Apple IIe, IIc

The article said the advertisement could be found in the
June 1986 issue of Call-A.P.P.L.E., page 64, and the item is put out by
WSM GROUP (called Hyper C)

I have been unable to find this magazine, and have not found in in any others
(but I'm not very thorough). Has anyone seen this add in some other magazine.
Or, if anyone out there has a copy of the magazine in question (someone must)
would they post me a copy of the ad (or at least an address for the company)?

Sincerely,
G.H.A.

From 8196430391563219168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-03 11:37:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!nbires!hao!hplabs!tektronix!uw-beaver!
tikal!phred!jeffp
From: jeffp@phred.UUCP (Jeff Parke)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <471@phred.UUCP>
Date: Thu, 3-Jul-86 14:37:16 EDT
Article-I.D.: phred.471
Posted: Thu Jul 3 14:37:16 1986
Date-Received: Sat, 5-Jul-86 07:23:34 EDT
References: <3968@decwrl.DEC.COM>
Reply-To: jeffp@phred.UUCP (Jeff Parke)
Organization: Physio Control Corp., Seattle, WA
Lines: 18

Xref: linus net.nlang:4325 net.travel:2524 net.micro.pc:8567 net.micro.apple:2589
net.database:307 net.wanted:8355 net.politics:16239

In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) writes:
>Recently someone from tecNICA has again started recruiting volunteers for
>Nicaragua, on many addresses on USENET. When this began before, a lot
>of people complained, a lot of bad feeling was generated, and the consensus
>was that such articles should be restricted to net.politics. Now someone
>has the gall to issue "Update # 2" repeating the pitch to support Nicaragua.
> <etc and soforth>

So who is polluting the network with a lot of disputable political trash? The
posting Cynthia referred to seemed more an opportunity for open-minded
people to go work somewhere for free, albeit a controversial location. Maybe
net.jobs should only be used for paying jobs, but other than that, I find it
unfortunate that such an objective posting should bring on such an outrageous
diatribe.

Standard Disclaimers apply.

{ seismo!hpscda!hplsla ..OR.. ihnp4!sun!fluke } !tikal!phred!jeffp {Jeff Parke}

From -953355152308332391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49edf86f403232bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-03 20:51:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!clyde!cbatt!cbosgd!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Apple 2E/enhanced monitor rom
Message-ID: <222@neoucom.UUCP>
Date: Thu, 3-Jul-86 23:51:41 EDT
Article-I.D.: neoucom.222
Posted: Thu Jul 3 23:51:41 1986
Date-Received: Sat, 5-Jul-86 05:15:25 EDT
Organization: Northeastern Ohio Universities College of Medicine
Lines: 31
Keywords: interrupt response time

/////
Hi,

     I just got in an Apple 2E/enhanced computer that is
replacing an older vanilla Apple 2E in an lab application that we
are running. The application uses an ADC driven by interrupts to
look at a process every 100 cpu clocks.

     Everything was fine when we used regular Apple 2s and 2Es.
Now our application bombs, as the monitor ROM (under DOS 3.3) seems

to do something that regularly shuts off interrupts for 250-300 uS.

I haven't received any tech info on what goodies the enhanced version has yet. (I thot it was just a new CG ROM with the mouse characters, but they must've reworked the EF and/or CD ROMS too).

For my application, I don't give a hoot about the mouse support. What I was wondering, does anybody know if I can de-enhance my computer by putting old ROMs in it? Anybody happen to know if the EF and CD ROMs can be replaced with 2764s? It would save us a lot of time to burn our own.

Thanx in advance to any respondants.

Bill Mayhew
Division of Basic medical Sciences
N. E. Ohio Universities' College of Med.
4209 SR 44
Rootstown, OH 44272 USA (216) 325-2511
...!allegra!neoucom!wtm (or something like that?)

From 5652927012461743636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5db307877d40da40
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-03 23:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!meccts!dicome!mmm!umn-cs!isucs1!UUCP!langbein
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Wanted: 2 programs by MUSE + Who ha
Message-ID: <14200013@isucs1.UUCP>
Date: Fri, 4-Jul-86 02:56:00 EDT
Article-I.D.: isucs1.14200013
Posted: Fri Jul 4 02:56:00 1986
Date-Received: Mon, 7-Jul-86 01:24:40 EDT
References: <5240@topaz.RUTGERS.EDU>
Lines: 17
Nf-ID: #R:topaz.RUTGERS.EDU:-524000:isucs1.UUCP:14200013:000:691
Nf-From: isucs1.UUCP!heins Jul 4 01:56:00 1986

John,

Super-Text Professional (40/80) does indeed work with the Videx VideoTerm and also the Videx UltraTerm (in VideoTerm emulation mode, does not support any extended UltraTerm modes as far as I know) It also supports the ALS Smarterm (I have one of these in my][+), and the Apple //e, but does not seem to work properly with a //c, an enhanced //e, or my Laser 128 :-(It's too bad Muse is gone, I liked a couple of their games, Castle

Wolfenstein, Beyond Castle Wolfenstien, and Robot War.

Lee Heins
{umn-cs, okstate, csu-cs}!isucs1!heins

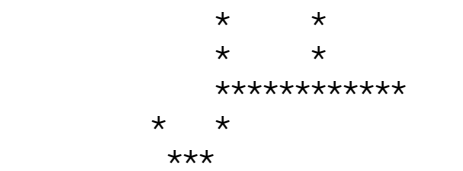
Note: My opinions are expressed above, they probably aren't the same as ISU's,
and I'm by no means an official spokesman.

From 8333230212050958823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b8593008da002b77,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b8593008da002b77,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,b8593008da002b77,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 120a1f,b8593008da002b77,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-07-05 13:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.micro,net.wanted,net.wanted.sources
Subject: wanted:programs
Message-ID: <5284@topaz.RUTGERS.EDU>
Date: Sat, 5-Jul-86 16:15:00 EDT
Article-I.D.: topaz.5284
Posted: Sat Jul 5 16:15:00 1986
Date-Received: Sun, 6-Jul-86 01:17:44 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 23
Keywords: muse
Xref: watmath net.micro.apple:2874 net.micro:14997 net.wanted:9106
net.wanted.sources:2506

Hi...
I am looking for two programs by Muse software. Since Muse is out
of
business & the software dealers have been no help, I am hoping that
someone may have acess or no how I might be able to get a copy of:
Form Letter Module
Address Book
Thanks in advance for those who respond.

John Langbein
topaz!langbein

********* *
* * John Langbein
* * 45 Brinckerhoff Ave.
*** * Freehold, N.J. 07728



Swing Lives On...

From -366924439927872852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,523257a2a7783057,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,523257a2a7783057,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-05 13:19:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (John E. Langbein)
Newsgroups: net.micro.apple,net.micro
Subject: question on latest business programs for apple 2
Message-ID: <5285@topaz.RUTGERS.EDU>
Date: Sat, 5-Jul-86 16:19:32 EDT
Article-I.D.: topaz.5285
Posted: Sat Jul 5 16:19:32 1986
Date-Received: Sun, 6-Jul-86 01:18:05 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 27
Keywords: apple2e 64k 128k good business pgms?
Xref: watmath net.micro.apple:2875 net.micro:14998

Hi,
     Can anyone tell me what the latest news is in the world of
Business
software for the Apple 2e? (upto 128k)
Please reply by posting news or sending mail via computer.

John Langbein
(topaz!langbein)

```
    ************
*   *
 ***
Swing Lives On...


From 7080520154300064509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-05 16:23:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!cbosgd!soma!hung
From: hung@soma.UUCP (Hung Khac Minh Nguyen)
Newsgroups: net.micro.apple
Subject: Re: Apple //GS
Message-ID: <982@soma.UUCP>
Date: Sat, 5-Jul-86 19:23:07 EDT
Article-I.D.: soma.982
Posted: Sat Jul  5 19:23:07 1986
Date-Received: Sun, 6-Jul-86 05:43:44 EDT
References: <3894@decwrl.DEC.COM>
Organization: Neurology, Baylor College of Medicine, Houston, Tx
Lines: 16
Summary: say that again ?

In article <3894@decwrl.DEC.COM>, barrisi@nymgr.dec.com writes:
> Heard some rumors about the new 16 bit apple.. It seems (not Confirmed) that
> there "Super HiRes" will be 640x200!!!!!!!! Come Apple u gotta be kidding!!
> With the AVAILABLE Technology that STINKS... any Comments...
> Joe Craparotta

Rumors I've heard, both on the net and elsewhere, says that the new apple
graphics is 768 X 512 with 128 colors at any one time from a palette of
4096 colors.  Can anyone confirm this ?


--
Hung Nguyen             uucp: {shell,rice,drillsys}!soma!hung
Opinions are mine alone.    U.S.mail: Neurology, Baylor College of Medicine,
                        One Baylor Plaza, Houston, TX 77030
"Those people who think they know everything are annoying those of us who do."


From -5335157815830555687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49edf86f403232bb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-06 05:22:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!nike!ucbcad!ucbvax!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
```

Subject: Re: Apple 2E/enhanced monitor rom
Message-ID: <3794@reed.UUCP>
Date: Sun, 6-Jul-86 08:22:13 EDT
Article-I.D.: reed.3794
Posted: Sun Jul 6 08:22:13 1986
Date-Received: Mon, 7-Jul-86 02:25:49 EDT
References: <222@neoucom.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 59
Keywords: interrupt response time

In article <222@neoucom.UUCP> wtm@neoucom.UUCP (Bill Mayhew) writes:
>/////
>Hi,
>
>   I just got in an Apple 2E/enhanced computer that is
>replacing an older vanilla Apple 2E in an lab application that we
>are running. The application uses an ADC driven by interrupts to
>look at a process every 100 cpu clocks.
>
>   Everything was fine when we used regular Apple 2s and 2Es.
>Now our application bombs, as the monitor ROM (under DOS 3.3) seems
>to do something that regularly shuts off interrupts for 250-300 uS.
>
Hmmmm. Strange. The new roms are actually much better about letting
interrupt through. The old roms would turn off interrupts for too long
in 80 column mode, thereby loosing characters at 1200 baud or above. I
wonder if it's because the new interrupt routines push the a reg on the
stack. No, I guess it stil shoves it in $45 as well. Frankly, I'd
figure out where it bombs specifically. The new roms are worth it. I
think so, anyway.
>   I haven't received any tech info on what goodies the
>enhanced version has yet. (I thot it was just a new CG ROM with
>the mouse characters, but they must've reworked the EF and/or CD
>ROMS too).
Like I said, the roms have better interrupt handling. They also read
lower case, you can search for a address, value or character in memory,
as well as input characters. The mini assembler is also there. It's
just plain cooler :-) The only thing they screwed up on royally was not
putting the new op-codes into the disassembler...:-(But I got a fix
for that:-)
>
>   For my application, I don't give a hoot about the mouse
>support. What I was wondering, does anybody know if I can
>de-enhance my computer by putting old ROMs in it? Anybody happen
>to know if the EF and CD ROMs can be replaced with 2764s? It would
>save us a lot of time to burn our own.

Yes, the roms are staight 2764's. No problem. Drop 'em right in.
Leave the 65c02, though. And maybe the CharGen rom.
>
>   Thanx in advance to any respondants.

>
>Bill Mayhew
>Division of Basic medical Sciences
>N. E. Ohio Universities' College of Med.
>4209 SR 44
>Rootstown, OH 44272 USA   (216) 325-2511
>...!allegra!neoucom!wtm (or something like that?)

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

From 8384530339453741205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49edf86f403232bb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-07 06:21:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Apple 2E/enhanced monitor rom
Message-ID: <1786@ecsvax.UUCP>
Date: Mon, 7-Jul-86 09:21:15 EDT
Article-I.D.: ecsvax.1786
Posted: Mon Jul 7 09:21:15 1986
Date-Received: Tue, 8-Jul-86 07:26:48 EDT
References: <222@neoucom.UUCP>
Organization: UNC Educational Computing Service
Lines: 41

>   Everything was fine when we used regular Apple 2s and 2Es.
> Now our application bombs, as the monitor ROM (under DOS 3.3) seems
> to do something that regularly shuts off interrupts for 250-300 uS.
>
> support. What I was wondering, does anybody know if I can
> de-enhance my computer by putting old ROMs in it? Anybody happen
> to know if the EF and CD ROMs can be replaced with 2764s? It would
> save us a lot of time to burn our own.
>

   This is an odd problem since the manual for the new ROMs claims that
the new monitor does not disable interrupts for an extended period.
The old ROMs would disable interrupts for extended periods while 80 col
screen updating was going on because the old ROMs couldn't tolerate

interrupts except in main memory. The new Roms support interrupts in Aux memory by saving the memory state in effect when the interrupt occurred and setting the machine to a known state before going to the interrupt handling routine. This shouldn't take anywhere near 250-300 usecs though. With the new ROMs the accumulator is no longer saved in location $45, it is put on the stack instead. This location is used by DOS 3.3 and the monitor so storing the accumulator here trashed things. Your application probably uses a modified version of DOS to avoid this proble problem. If your application is looking for the contents of the accumulator at $45 it will not work with the new ROMs.

You should have gotten the manual "About your enhanced Apple IIe: Programmers Guide" when you upgraded, if not see you dealer for a copy. It will help you modify your code to work with the new interrupt handler. If you are using commercial software call the manufacturer and see if they have a new version.

   If you really want the old ROMs back, see Don Lancaster's column "Ask the Guru" in Computer Shopper. From about January to May of this year he had a series of articles on installing both sets of ROMs in your IIe and switching between them. He had detailed instructions on burning ROMs for the Apple. (Sorry I can't be more precise on the dates of those articles, but you can call Don for help, his number is in his column).

Rick Fincher

From -6861194148793992223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-07 06:47:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!husc6!seismo!mcvax!steven
From: steven@mcvax.uucp (Steven Pemberton)
Newsgroups:
net.nlang,net.micro.pc,net.micro.apple,net.database,net.wanted,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <7006@boring.mcvax.UUCP>
Date: Mon, 7-Jul-86 09:47:58 EDT
Article-I.D.: boring.7006

Posted: Mon Jul 7 09:47:58 1986
Date-Received: Fri, 11-Jul-86 04:59:36 EDT
References: <3968@decwrl.DEC.COM>
Reply-To: steven@boring.uucp (Steven Pemberton)
Organization: CWI, Amsterdam
Lines: 14
Xref: watmath net.nlang:4712 net.micro.pc:9053 net.micro.apple:2888
net.database:332 net.wanted:9130 net.jobs:2481
Apparently-To: rnews@mcvax

> Recently someone from tecNICA has again started recruiting volunteers for
> Nicaragua, on many addresses on USENET. [...]
> Now someone has the gall to issue "Update # 2" repeating the pitch to
> support Nicaragua.
[...]
> I'd like to see us flood their telephone numbers with complaints, and I
> hope that those of us who see through their lies will be willing to
> take a stand, even here, on the unbloody battlefield of USENET.

I found the posting informative and interesting, and though not useful to me
personally, inoffensive - certainly less offensive than the followup quoted
above. I think they should be allowed to post such articles.

Steven Pemberton, CWI, Amsterdam; steven@mcvax

From -6118985489216819733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-ArrivalTime: 1986-07-07 10:56:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!nike!ucbcad!ucbvax!hplabs!tektronix!teklds!
midas!jeffw
From: jeffw@midas.UUCP (Jeff Winslow)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'

Message-ID: <458@midas.UUCP>
Date: Mon, 7-Jul-86 13:56:32 EDT
Article-I.D.: midas.458
Posted: Mon Jul 7 13:56:32 1986
Date-Received: Wed, 9-Jul-86 02:19:50 EDT
References: <3968@decwrl.DEC.COM>
Reply-To: jeffw@midas.UUCP (Jeff Winslow)
Followup-To: net.politics
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 22
Xref: watmath net.nlang:4709 net.travel:2753 net.micro.pc:9030
net.micro.apple:2882 net.database:328 net.wanted:9117 net.politics:17167
net.jobs:2473

In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) opines:

>I'd like to see us flood their telephone numbers with complaints, and I
>hope that those of us who see through their lies will be willing to
>take a stand, even here, on the unbloody battlefield of USENET.

You can do whatever you damn please, but if you're going to argue over
political opinions, do it in net.politics. It's unfortunate that the poster
of the original article is so obnoxious as to post it to several groups,
knowing full well that unthinking people will post followups to all of
those same groups. However, there is no need for those with opinions
different from those expressed in the original article to compound the
crime by carrying on this useless controversy outside of net.politics. I
apologize to the readers of the several groups this article will appear
in, but I hope they will forgive me when they realize that my main point
is:

CARRY ON POLITICAL ARGUMENTS IN NET.POLITICS ONLY !!!!!!!!!!!!!!!!!!

I believe they will agree.

                        Jeff Winslow

From -5446381810454373154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public

X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-ArrivalTime: 1986-07-07 15:11:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!lsuc!watmath!clyde!caip!lll-crg!lll-lcc!qantel!ihnp4!
inuxc!inuxm!arlan
From: arlan@inuxm.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <389@inuxm.UUCP>
Date: Mon, 7-Jul-86 18:11:07 EDT
Article-I.D.: inuxm.389
Posted: Mon Jul 7 18:11:07 1986
Date-Received: Thu, 10-Jul-86 21:08:01 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP>
Organization: AT&T Consumer Products, Indianapolis
Lines: 33
Xref: utcs net.nlang:4672 net.travel:2713 net.micro.pc:8918 net.micro.apple:2850
net.database:330 net.wanted:9072 junk:1089 net.jobs:2473

> In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) writes:
> >Recently someone from tecNICA has again started recruiting volunteers for
> >Nicaragua, on many addresses on USENET....
> >I'm disgusted. By disregarding the outcry against politicizing USENET,
> >these Nicaraguan supporters are doing just what their political comrades...
> [continues with further ravings about Nicaraguan Communists plotting to
> take our Precious Bodily Fluids, or something to that effect]
>
> If you're so concerned about politicizing USENET, why did you
> post this puerile diatribe? If we can put up with headhunters
> essentially having free use of the net for profit, surely solicitation
> of volunteers by a non-profit organization is permissible.

If you fail to see that hiring people on the net is a contirubtion to the
US economy, while soliciting techniREDS is leading to the destruction of free
enterpr9ise in Nicaragua and eventually here, then you are an idiot as well
as the fool your statements make you appear to be.

No, adherenets of suppression whoever they are should not be allowed to use
this net to hire/solicit volunteers for the butchers of Nicaragua, who have
slaughtered some 10,000 plus Mosquito Indians, and who are turning their
territory into a Gulag outpost.
I would like to see the posters of such trash prohibited from taking
advantage of this net to support communists, Sandinista or otherwise.

Would you all stand by while South AFrican supporters of apartheid asked for
onlyu@only technical support, say ApartAid? Of course not; your institutions
would pull your plug. While SA cannot ever hurt us, the reds can and will, so

the same logic should apply. Shut the hell up about hiring for the Reds or
get off the net.

Direct flames to bin/ortega/nicaragua/hell
--arlan andrews

From -5082973877749867907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-07 22:05:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!cbosgd!ihnp4!gargoyle!oddjob!apak
From: apak@oddjob.UUCP (Vomit)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <1399@oddjob.UUCP>
Date: Tue, 8-Jul-86 01:05:58 EDT
Article-I.D.: oddjob.1399
Posted: Tue Jul 8 01:05:58 1986
Date-Received: Thu, 10-Jul-86 01:51:41 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP> <389@inuxm.UUCP>
Reply-To: apak@oddjob.UUCP (Adrian Kent)
Organization: Aesthetes and Poets Against Kinetics
Lines: 32
Xref: watmath net.nlang:4710 net.travel:2758 net.micro.pc:9044
net.micro.apple:2884 net.database:329 net.wanted:9127 net.politics:17191
net.jobs:2477

In article <389@inuxm.UUCP> arlan@inuxm.UUCP (A Andrews) writes:
>If you fail to see that hiring people on the net is a contirubtion to the
>US economy, while soliciting techniREDS is leading to the destruction of free
>enterpr9ise in Nicaragua and eventually here, then you are an idiot as well
>as the fool your statements make you appear to be.
>No, adherenets of suppression whoever they are should not be allowed to use
>this net to hire/solicit volunteers for the butchers of Nicaragua, who have

>slaughtered some 10,000 plus Mosquito Indians, and who are turning their
>territory into a Gulag outpost.
>I would like to see the posters of such trash prohibited from taking
>advantage of this net to support communists, Sandinista or otherwise.
>Would you all stand by while South AFrican supporters of apartheid asked for
>onlyu@only technical support, say ApartAid? Of course not; your institutions
>would pull your plug. While SA cannot ever hurt us, the reds can and will, so
>the same logic should apply. Shut the hell up about hiring for the Reds or
>get off the net.
>--arlan andrews
The above posting is ignorant, arrogant and disgusting. Note that:
(1) There has not been any `slaughter' of Mesquito Indians in Nicaragua,
let alone 10,000 deaths. This is simply an invention by the poster.
Minimal research in an almanac of world events, or in the reports of human
rights organisations re Nicaragua, will confirm this. (Many Mesquito *were*
forcibly resettled.)
(2) If Nicaraguans don't want a free enterprise system, that's their decision.
It is no crime to be anti-capitalist.
(3) The only possible threat that Nicaragua could pose to free enterprise in
the U.S. is as an example which the U.S. people decide to follow.
(4) The posting displays an irrational fear of "Reds"; indeed, the entire
posting is made up of lies (slaughter allegation, "turning their territory
into a Gulag outpost"-whatever that is supposed to mean), abuse
(posters of such
trash), and the invocation of alleged demons (Reds, communists).

From 5795815854733545998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-08 12:15:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!rbthomas
From: rbthomas@caip.RUTGERS.EDU (Rbthomas)
Newsgroups: net.micro.apple
Subject: Re: Apple //GS
Message-ID: <2685@caip.RUTGERS.EDU>
Date: Tue, 8-Jul-86 15:15:14 EDT
Article-I.D.: caip.2685
Posted: Tue Jul 8 15:15:14 1986
Date-Received: Wed, 9-Jul-86 02:46:56 EDT
References: <3894@decwrl.DEC.COM> <279@ski.UUCP> <572@ssc-bee.UUCP>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 25

> So, did Apple
> do it right this time? Can adjacent pixels have any arbitrary
> colors?
>
> --
>   Mike Eve   Boeing Aerospace, Seattle
>   ...uw-beaver!ssc-vax!ssc-bee!eve

No matter what they do, it will have to have a compatibility mode that is indistinguishable from the current IIe botch. In order to keep the cost down, the new mode will probably extend the IIe botch, rather than do it 'right' (whatever that means to you personally!) But to compete with the Amiga and the ST520/1040, they will have to have something pretty impressive. I wonder if it can be done. Full backwards compatibility can me *expensive* to maintain. Apple won't get rich just selling upgrades to people who already have II series machines. So they will have to have something that is cost/performance competitive with the Amiga and Atari machines to capture new users. But if it won't make them rich, you can bet they won't do it.

Given those constraints, I wonder if it can be done...
(Does anybody remember the Apple III? It did a lot of things 'right', and it was a commercial failure.)

Rick Thomas

From 5569751675932992396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-08 13:02:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!lsuc!watmath!clyde!caip!topaz!husc6!seismo!mcvax!ukc!kcl-cs!glasgow!jack
From: jack@glasgow.UUCP
Newsgroups: net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.politics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <634@glasgow.glasgow.UUCP>
Date: Tue, 8-Jul-86 16:02:08 EDT
Article-I.D.: glasgow.634
Posted: Tue Jul 8 16:02:08 1986
Date-Received: Thu, 10-Jul-86 21:11:33 EDT
References: <3968@decwrl.DEC.COM>

Reply-To: jack@glasgow.UUCP (Jack Campin)
Organization: Comp Sci Dept, Glasgow Univ, Scotland
Lines: 8
Xref: utcs net.nlang:4673 net.travel:2714 net.micro.pc:8919 net.micro.apple:2851
net.database:331 net.wanted:9073 junk:1092 net.jobs:2474

I was pleased to see the tecNICA article. If it has been posted to
net.politics nobody in Europe would have seen it, since US neofascists
have forced us to cut that off.
I don't see too many flames about people being recruited for military work; is
working in Nicaragua unacceptably political in a way that building machines
for burning Soviet civilians to death isn't?

jack

From 7872573019735510757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-08 15:58:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!lll-lcc!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <283@ski.UUCP>
Date: Tue, 8-Jul-86 18:58:17 EDT
Article-I.D.: ski.283
Posted: Tue Jul 8 18:58:17 1986
Date-Received: Thu, 10-Jul-86 05:00:12 EDT
Reply-To: dr@ski.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 109

>Subject: Apple 2E/enhanced monitor rom
>Keywords: interrupt response time
>
>   I just got in an Apple 2E/enhanced computer that is
>replacing an older vanilla Apple 2E in an lab application that we
>are running. The application uses an ADC driven by interrupts to
>look at a process every 100 cpu clocks.
>
>   Everything was fine when we used regular Apple 2s and 2Es.
>Now our application bombs, as the monitor ROM (under DOS 3.3) seems
>to do something that regularly shuts off interrupts for 250-300 uS.
>
>   For my application, I don't give a hoot about the mouse
>support. What I was wondering, does anybody know if I can
>de-enhance my computer by putting old ROMs in it? Anybody happen
>to know if the EF and CD ROMs can be replaced with 2764s? It would
>save us a lot of time to burn our own.

The original enhancement kit had an available
"About Your Enhanced Apple //e: Programmer's Guide",
Apple Product number A2L2072, which was available FREE!

The same information is in the new Apple //e Technical Reference Manual, published by Addison-Wesley, and available at some bookstores. (The older //e reference manual covered the old //e.)

On pages 24-25 of the Programmer's Guide, and/or pages 154-155 on the new tech manual, the interrupt handler is discussed.

> "Once the built-in interrupt handler is called, it takes at least 150-200 microseconds for it to call your interrupt handling routine. After your routine returns, it takes 40 to 140 microseconds fto restore memory and return to the interrupted program."
>
> "If memory is in the standard state when the interrupt occurs, the total overhead for interrupt processing is about 150 muicroseconds less than if memeory is the worst state. (The sorst state is one that requires the most work to set up for: 80STORE and PAGE2 on; auxiliary memory switched in for reading and writing; bank-switched memory page 2 in the auxiliary bank switched in for reading and writing; and internal $Cn00 ROM switched in)."
>
> "Interrupt overhead will be greater if your interrupt handler is installed through an operating system's interrupt dispatcher." ie. the ProDOS MLI interrupt handler.

Therefore, if your time requirements need the faster handling as on the old //e, which jumped right to your routine after a few instructions, then you can "unenhance" the new //e by using the older CD and EF ROMs. Yes, they can be copied onto 2764 EPROMs with a copier. (see Jim Sather's book "Understanding the Apple //e"). Don Lancaster, in "Enhancing Your Apple II and //e, Volume 2", recommends the 2764n EPROM, which he says MUST be an INTEL or HITACHI brand with 28 pins and an access time of 250 nanoseconds or less.

The old interrupt handling on the old //e was somewhat troublesome, because it sometimes interfered with DOS 3.3. The handler saved the accumulator in $45, which is used by DOS as a scratchpad location during disk accesses and possibly other functions. There was the probability of clobbering DOS with your interrupts. The new handler doesn't do it the same way.

If you're going to the trouble to burn your own CD and EF ROMs, why not also add the correction to the handler as advocated by Morgan Caffrey, and published in several places, as well as used inthe old Roger Wagner Double-Time interrupt driven printer routine.

From Apple Orchard, March, 1983, Interrupts and the //e:

```
          old //e code       improved code

        FA40 STA $45       FA40 JMP ($03FE)
        FA42 PLA       FA43 STA $45
        FA43     PHA       FA45 PLA
        FA44 ASL       FA46 PHA
        FA45 ASL       FA47     ASL
        FA46 ASL       FA48     ASL
        FA47 BMI $FA4C FA49 ASL
        FA49 JMP ($03FE)   FA4A BPL $FA5F
                       FA4C     PLP
```

You also have to make the DOS interrupt vector at $3FE point to $FA43 rather than $FA40. (DOS patch with sector editor is track 0, sector $0D, bytes $7F and $80, changed from $65,FF to $43,FA.) (In memory, using virgin DOS 3.3, the locations are $9E7F,9E80 changed from $65,FF to $43,FA, and then INIT a blank disk.)

I highly recommend the Roger Wagner Publication called the Interrupt Experimenter's Kit. For about $35 (??) or so, you get a manual about interrupts, a disk full of demo programs and assembler subroutines, and a hardware card whic is a 200 interrupts/seconds generator.

Finally, the Applied Engineering Timemaster H.O. clock comes with a disk than had a DOS intrrupt patch. This replaces every reference in DOS that uses $45, to some other value so DOS doesn't bomb.

--

==========
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 822622571287629216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1eb15da4a47f8f96,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-08 20:23:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!meccts!dicome!ndsuvax!noaguile
From: noaguile@ndsuvax.UUCP (Valdir Aguilera)
Newsgroups: net.micro.apple
Subject: Book for understanding the DOS
Message-ID: <230@ndsuvax.UUCP>
Date: Tue, 8-Jul-86 23:23:59 EDT
Article-I.D.: ndsuvax.230

Posted: Tue Jul 8 23:23:59 1986
Date-Received: Fri, 11-Jul-86 06:27:18 EDT
Organization: North Dakota State University, Fargo, ND
Lines: 4

   Could someone tell me what book I should read after Beneath Apple DOS and Beneath Apple ProDOS for understanding DOS?

   Thanks a lot

From 5406998907510149522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,6fca89542ab88075,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,49edf86f403232bb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-08 22:04:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple,net.news.group
Subject: info-apple -> mod.computers.apple2 poll
Message-ID: <1016@ius2.cs.cmu.edu>
Date: Wed, 9-Jul-86 01:04:55 EDT
Article-I.D.: ius2.1016
Posted: Wed Jul 9 01:04:55 1986
Date-Received: Fri, 11-Jul-86 04:46:58 EDT
References: <222@neoucom.UUCP> <1786@ecsvax.UUCP>
Followup-To: junk
Organization: Carnegie-Mellon University, CS/RI
Lines: 36
Xref: watmath net.micro.apple:2887 net.news.group:6131
Summary: send mail, don't post

Every info-<computer> group on the ARPAnet has a mod.computers.*
equivalent group on USENET, except info-apple (it used to be
linked with info-apple, but no more.) I'd like to see it
show up in mod.computers.apple2. (to discourage Mac posts)
While I'm waiting to hear from the list maintainers, please repond to the poll
by mail to me. (I've directed followups to junk to encourage this.)

The question(s):

     1 Would you like to have info-apple gated to mod.computers.apple2?
     2 (if yes to #1) Would you be willing to let net.micro.apple go
          if mod.computers.apple2 existed?

explanation of 2: Apple community fragmented, one group will reduce this.
           arpa will probably never get net.micro.apple again.

No actual moderation goes on at this point,
info-apple is a mail reflector.

Addresses: ralphw@c.cs.cmu.edu (preferred, everything forwards to here)
ralphw@cmu-cs-c.arpa
ralphw@cmu-cs-c
ralphw@ius2.cs.cmu.edu (in the header)
ralphw@cmu-cs-ius2
ralphw@mit-eddie (on usenet)

Got to run, storms coming...
Thank you for your cooperation.
--
- Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu [most reliable] Phone: (412) 268-2847 [CMU-BUGS]
Amateur Radio: KA3PLY (c/o W3VC, CMU Radio Club) [packet mailbox coming soon!]
Fido: Ralph Hyre at Pitt-Net [may change soon, when I put up a BBS of my own!]

From -6765161624570537633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-09 11:44:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ccd700.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!eed092!ccd700!jim
From: jim@ccd700.UUCP (prototype account)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.politics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <437@ccd700.UUCP>
Date: Wed, 9-Jul-86 14:44:52 EDT
Article-I.D.: ccd700.437
Posted: Wed Jul 9 14:44:52 1986
Date-Received: Thu, 10-Jul-86 05:25:20 EDT

References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP>
Organization: Ford CCD, Dearborn Michigan
Lines: 28
Xref: watmath net.nlang:4711 net.travel:2760 net.micro.pc:9047
net.micro.apple:2886 net.database:331 net.wanted:9129 net.politics:17201
net.jobs:2479
Summary: People who live in glass houses ...

In article <2144@hammer.UUCP>, patcl@hammer.UUCP writes:
> In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) writes:
> >Recently someone from tecNICA has again started recruiting volunteers for
> >Nicaragua, on many addresses on USENET....
> >I'm disgusted. By disregarding the outcry against politicizing USENET,
> >these Nicaraguan supporters are doing just what their political comrades...
> [continues with further ravings about Nicaraguan Communists plotting to
> take our Precious Bodily Fluids, or something to that effect]
>
> If you're so concerned about politicizing USENET, why did you
> post this puerile diatribe? If we can put up with headhunters
> essentially having free use of the net for profit, surely solicitation
> of volunteers by a non-profit organization is permissible.

I think the point (albeit somewhat convoluted) of Ms. Mullen's article
was that it's OK to politicize, provided you do it in the proper
newsgroups. However, after making this valid point, she proceded to
violate it by politicizing a totally apolitical newsgroup!

Perhaps she should have posted to net.puerile-diatribe, or something
functionally equivalent.

Jim Sitek

"If there's one thing worse than being talked about, it's not being
talked about."
                        Oscar Wilde as portrayed by
                        Graham Chapman

From -2191936521247633423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public

X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-09 15:58:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!clyde!cbatt!cbosgd!ihnp4!alberta!sask!zaphod!
timm
From: timm@zaphod.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <601@zaphod.UUCP>
Date: Wed, 9-Jul-86 18:58:17 EDT
Article-I.D.: zaphod.601
Posted: Wed Jul 9 18:58:17 1986
Date-Received: Sat, 12-Jul-86 22:49:37 EDT
References: <3968@decwrl.DEC.COM>
Reply-To: timm@zaphod.UUCP (Tim Melanchuk)
Organization: Develcon Electronics, Saskatoon SK Canada
Lines: 22
Xref: utcs net.nlang:4684 net.travel:2722 net.micro.pc:8977 net.micro.apple:2873
net.database:340 net.wanted:9101 junk:1190 net.jobs:2495

In article <3968@decwrl.DEC.COM> cmullen@gold.dec.com (Cynthia Mullen, at DTN
297-4818) writes:
>to follow the USENET conventions. Again they are like their political
>counterparts - what Communist government ever followed the rules of democracy
>or kept any treaty it made? Nicaragua is following that path - the leftists
>kicked out or killed the people who helped bring about the overthrow of
>Samoza. America gave millions of dollars to the new government, but Ortega
>took over and invited Russians and Russian influence there. Does anyone
>really want to see us supporting the present government of Nicaragua?
>
I support the Nicaragua government although I don't support abusing
usenet conventions. I am *very* against American policy and intervention
in the region and dislike the holier than thou attitude of American
support versus Russian. I am Canadian though and have somewhat of
a less biased opinion. I'm curious about how many non-Americans
support American policy in Nicaragua. Most of the news and editorials
I see in Canada about the conflict seems to highlight American
exagerations and/or lies about events and tends to favor a non-military
solution and letting the region sort out its own problems.
--
A Canadian is someone who knows how to make love in a canoe.

Tim Melanchuk   {ihnp4|alberta}!sask!zaphod!timm

From -876212542561541058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24cc5cd86a1c7d1,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-09 16:28:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Thanks for help
Message-ID: <227@neoucom.UUCP>
Date: Wed, 9-Jul-86 19:28:56 EDT
Article-I.D.: neoucom.227
Posted: Wed Jul 9 19:28:56 1986
Date-Received: Fri, 11-Jul-86 05:52:18 EDT
Organization: Northeastern Ohio Universities College of Medicine
Lines: 34
Keywords: with //e monitor ROMs

///////

Thank you very much to everyone who sent mail on my question. To sumarize briefly, if the need is absoulute, the Apple //e (enhanced) can be downgraded by substituting the older CD, EF and character generator ROMs.

If one is desperate, 2764 ROMs and be burned with the desired contents. Access time needs to be less than 250 uS. Some people suggested that the ROMs were brand-sensitive. I think the name Hitachi was mentioned as being o.k.

I one doesn't need the extra memory, the bankswitched RAM could be loaded and used to look like an old plain //e, as long as ProDOS is not used.

The restructuring of interrupt processing is to accomode interrupts that occur at totally random times (such as with a mouse device of some kind). In the older //e ROMs interrupts bombed when the lower 48K bankswitched memory was in operation, and there was also greater damger of the interrupt return vector or $45 scratchpad register being trashed.

With the new ROM, it takes about 150 uS to enter an interrupt handler, and about another 50 uS to get out. These times vary, depending upon which memory banks are switched in. I assume the above overhead is in addition to the ProDOS overhead (if you use ProDOS, of course).

Thanks again, all.

Bill Mayhew
NEOUCOM
Rootstown, OH 44272

From -7469165341592536588

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,16a27b8145e38105,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-09 17:49:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!husc6!seismo!lll-crg!lll-lcc!qantel!hplabs!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Where are you, Ralph???
Message-ID: <3819@reed.UUCP>
Date: Wed, 9-Jul-86 20:49:11 EDT
Article-I.D.: reed.3819
Posted: Wed Jul 9 20:49:11 1986
Date-Received: Sat, 12-Jul-86 02:52:09 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 27

Hello!!!!!

Ralph Hyre, Where Are You?

hplaps doesn't seem to like to talk to decwrl. What exactly should I
use to e-mail to you. Have you gotten anything from me in the last
month????

I have very unimportant stuff you must see soon! :-)

Sean Kamath

UUCP: {masscomp, decvax, allegra, psu-cs, ucbcad, ucbvax,
                  purdue, hplabs, hp-pcd, sequent, uw-beaver, ihnp4,
                  cbosgd, gatech, nsc-pdc}!tektronix!reed!kamath
CSNET: reed!kamath@Tektronix.CSNET
BITNET: reed!kamath@Berkeley.BITNET
ARPA: tektronix!reed!kamath@Berkeley
             reed!kamath@hplabs
DECNET: RHEA::DECWRL::"decvax!tektronix!reed!kamath"

These are not the fastest or best paths, just the easiest to use.
I hope they work.

From 696775105237152932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cf2222b0e6da022,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-09 21:08:55 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!cbosgd!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Extended Memory Cards
Message-ID: <778@aicchi.UUCP>
Date: Thu, 10-Jul-86 00:08:55 EDT
Article-I.D.: aicchi.778
Posted: Thu Jul 10 00:08:55 1986
Date-Received: Fri, 11-Jul-86 07:38:53 EDT
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 16

A frind of mine who uses Appleworks quite extensively on his //e seems
to be in the market for an extended memory card to increase his available
memory within Appleworks. As I see it, there seem to be three popular
cards out now: Apple, AE Ramworks and Coit Valley Multiram.

Any recomendations, caveats, etc on these cards?

Thanks in advance!
--
Joe Loda
Analysts International (Chicago Branch)

Usenet: ..!ihnp4!aicchi!joeloda
   CIS: 75726,1641
   BIX: jloda
 GEnie: j.loda

From 3779078036080685286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f85a2fe803fcb00,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-09 22:46:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbatt!cbosgd!osu-eddie!dcc
From: dcc@osu-eddie.UUCP (Daniel C. Chang)
Newsgroups: net.micro.apple
Subject: Re: Enhanced //e ROMs
Message-ID: <2055@osu-eddie.UUCP>
Date: Thu, 10-Jul-86 01:46:35 EDT
Article-I.D.: osu-eddi.2055
Posted: Thu Jul 10 01:46:35 1986
Date-Received: Fri, 11-Jul-86 07:14:57 EDT
Organization: Ohio State Univ, Computer Science Department
Lines: 19

C'mon guys, get your facts straight!

Sure the new //e ROMs are better at handling interrupts...for most

applications. There is one big disadvantage to the new interrupt handler, however: it now takes many more cycles before it decides to pass control to your routine at $3FE.

Big deal, you say? Well, it is a big deal. For an example of the new ROMs being a problem, check _Keyboard_ (as in synthesizers) magazines about six months ago...it had a article on how some MIDI interface for the Apple (if my memory is working correctly) doesn't work very well (or was it not at all?) with the new ROMs. (Side note: I wonder how many keyboardist understood that article?)

Trying to get the facts straight, so we can prevent innocent, young programmers from straying down the dark side of the force,

Daniel Chang
dcc@osu-eddie.UUCP

From -5647459156749425495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-10 11:56:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!husc6!harvard!panda!genrad!decvax!decwrl!pyramid!
hplabs!tektronix!orca!tekecs!richa
From: richa@tekecs.UUCP
Newsgroups:
net.nlang,net.micro.pc,net.micro.apple,net.database,net.wanted,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <7439@tekecs.UUCP>
Date: Thu, 10-Jul-86 14:56:38 EDT
Article-I.D.: tekecs.7439
Posted: Thu Jul 10 14:56:38 1986
Date-Received: Sat, 12-Jul-86 01:52:59 EDT
References: <3968@decwrl.DEC.COM> <7006@boring.mcvax.UUCP>
Reply-To: richa@tekecs.UUCP (Rich Ahrendt)
Organization: Tektronix, Wilsonville OR
Lines: 35
Xref: utcs net.nlang:4678 net.micro.pc:8954 net.micro.apple:2861 net.database:334
net.wanted:9086 net.jobs:2484

In article <7006@boring.mcvax.UUCP> steven@boring.uucp (Steven Pemberton) writes:

>
>> Recently someone from tecNICA has again started recruiting volunteers for
>> Nicaragua, on many addresses on USENET. [...]
>> Now someone has the gall to issue "Update # 2" repeating the pitch to
>> support Nicaragua.
>[...]
>> I'd like to see us flood their telephone numbers with complaints, and I
>> hope that those of us who see through their lies will be willing to
>> take a stand, even here, on the unbloody battlefield of USENET.
>
>I found the posting informative and interesting, and though not useful to me
>personally, inoffensive - certainly less offensive than the followup quoted
>above. I think they should be allowed to post such articles.
>
>Steven Pemberton, CWI, Amsterdam; steven@mcvax

DITTO!!

     CAN WE GET THIS STUFF OFF THE INAPPROPRIATE GROUPS and
       PUT IN net.politics. If it even belongs there.

I think people on the net are intelligent enough to decide for themselves
good jobs from bad, whom they want to work for and where.

--
      ****

        Rich Ahrendt - Vaxlab Network Operations
        Graphics Workstations Division

        USENET / UUCP: {ihnp4, ucbvax, decvax, uw-beaver}!
                             tektronix!tekecs!richa
      ****

From -7406348079383054409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53e7fca1a8926310
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-10 13:07:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!husc6!harvard!panda!genrad!decvax!decwrl!pyramid!
hplabs!tektronix!uw-beaver!ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e Interrupts
Message-ID: <175@uvicctr.UUCP>
Date: Thu, 10-Jul-86 16:07:59 EDT
Article-I.D.: uvicctr.175
Posted: Thu Jul 10 16:07:59 1986
Date-Received: Mon, 14-Jul-86 01:41:29 EDT
References: <283@ski.UUCP>

Reply-To: collinge@uvicctr.UUCP (Doug Collinge)
Organization: University of Victoria, Victoria B.C. Canada
Lines: 27

>> I just got in an Apple 2E/enhanced computer that is
>>replacing an older vanilla Apple 2E in an lab application that we
>>are running. The application uses an ADC driven by interrupts to
>>look at a process every 100 cpu clocks.
>>
>   "Once the built-in interrupt handler is called, it takes at
>   least 150-200 microseconds for it to call your interrupt
>   handling routine. After your routine returns, it takes 40 to
>   140 microseconds fto restore memory and return to the
>   interrupted program."
>

Yes! 350 us to take an interrupt! Honestly - why bother having them at all?
I know people doing MIDI who have been bitten by this. You have to read the
code to believe it - it is absolutely unbearable.

Of course, there is nothing stopping you from using the language ram and
subverting the e2e IRQ handler by jamming in your own hardware vector.

--

         Doug Collinge
         School of Music, University of Victoria,
         PO Box 1700, Victoria, B.C.,
         Canada, V8W 2Y2
         decvax!nrl-css!uvicctr!collinge
         decvax!uw-beaver!uvicctr!collinge
         ubc-vision!uvicctr!collinge

From -4767540932759390144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-10 14:31:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!utcs!mnetor!seismo!lll-crg!lll-lcc!qantel!hplabs!oliveb!glacier!mips!
kim
From: kim@mips.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <553@mips.UUCP>
Date: Thu, 10-Jul-86 17:31:33 EDT
Article-I.D.: mips.553
Posted: Thu Jul 10 17:31:33 1986
Date-Received: Fri, 11-Jul-86 23:15:42 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP> <389@inuxm.UUCP>
<1399@oddjob.UUCP>
Organization: MIPS ... where RISC is a way of life
Lines: 13
Xref: utcs net.nlang:4677 net.travel:2717 net.micro.pc:8949 net.micro.apple:2859
net.database:333 net.wanted:9085 junk:1131 net.jobs:2480

[...]

Could both (all) sides of this "discussion" please keep it out of
"net.micro.pc" ... please?

Thank you,
/kim
--

UUCP: {decvax,ucbvax,ihnp4}!decwrl!mips!kim
DDD: 408-720-1700 x231
USPS: MIPS Computer Systems Inc, 930 E. Arques Av, Sunnyvale, CA 94086
CIS: 76535,25

From -2058285610804070554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,197f50b3d400e0a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-10 15:07:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!clyde!cbatt!cbosgd!soma!hung
From: hung@soma.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <991@soma.UUCP>
Date: Thu, 10-Jul-86 18:07:14 EDT
Article-I.D.: soma.991
Posted: Thu Jul 10 18:07:14 1986
Date-Received: Fri, 11-Jul-86 22:52:44 EDT
References: <20@xrx3b.UUCP> <10100005@mcomp>
Organization: Neurology, Baylor College of Medicine, Houston, Tx
Lines: 21
Summary: about apple kermit

In article <10100005@mcomp>, p40001@mcomp.UUCP writes:
> So, please post to the net if you are aware of an Apple Kermit!
> --
> Wolf N. Paul, 290 Dogwood, Plano, Tx. 75075
> UUCP: { convex, infoswx, texsun!rrm }!mcomp!p40001
> BIX: wnp   Phone: (214) 578-8023 W.U.ESL: 6283-2882

This info from Stan Barber:

Apple II-family Kermit is available from Stevens Institute of Techonology
(in New York ?). Also, Mac owners can get Kermit from Columbia University
(in New York, definitely!).

Inqueries should be directed to info-kermit request@CU20B.ARPA

--
Hung Nguyen   uucp: {shell,rice,drillsys}!soma!hung
Opinions are mine alone.   U.S.mail: Neurology, Baylor College of Medicine,
                        One Baylor Plaza, Houston, TX 77030
"Those people who think they know everything are annoying those of us who do."

From -1095279827815969744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9da2b2f38303d6f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-11 01:39:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!seismo!mcvax!philmds!nlgvax!harry
From: harry@nlgvax.UUCP (Harry Schreurs)
Newsgroups: net.micro.apple
Subject: Re: Help with AE 80-column card?
Message-ID: <52@nlgvax.UUCP>
Date: Fri, 11-Jul-86 04:39:48 EDT
Article-I.D.: nlgvax.52
Posted: Fri Jul 11 04:39:48 1986
Date-Received: Sat, 12-Jul-86 04:25:10 EDT
References: <3769@decwrl.DEC.COM>
Reply-To: harry@nlgvax.UUCP (Harry Schreurs)
Organization: Philips Research Laboratories, Geldrop
Lines: 77

In article <3769@decwrl.DEC.COM> binder@lando.dec.com writes:
>I just bought an Applied Engineering Viewmaster-80 card for my][+ and I'm
>having trouble using it with CP/M.
>
>My machine is homebuilt, not an official Apple, and it has a full keyboard.
>The AE card traps out ^A to switch its case lock, and it traps out ^K to
>generate a left bracket. I want to disable the ^A and ^K trapping, so that I
>can use the Turbo Pascal editor with its default key bindings. WordStar does
>the disable just fine, but I believe that's because WordStar has its own

>keyboard driver to allow typeahead. There's no documentation in the AE manual
>telling how the traps can be disabled, if indeed they can be without writing a
>keyboard driver. Because the card is Videx compatible, I'm wondering if
>there's info in the Videx manuals that describes what I need. Can anyone out
>there help me?
>
>Thanks,
>Dick Binder   (The Stainless Steel Rat)
>

I once had the same problem.
In the VIDEX VIDEOTERM manual I found the source of the software
contained in the VIDEOTERM.

The problem you have may be caused by the following code:

```
                  *
                  * GET CHARACTER FROM KEYBOARD
                  *
C844: 20 D1 C8              RDKEY    JSR CSRMOV
.............               .....    ... ......
.............               .....    ... ......
C852: 20 5C C8                   JSR KEYSTAT
.............               .....    ... ......
.............               .....    ... ......
C85B: 60                RTS
-------------------------------------------------------------------------------
C85C: C9 8B             KEYSTAT  CMP #$8B  ; CHECK FOR CONTROL K
C85E: D0 02                 BNE NOTK  ; SKIP IF NOT
C860: A9 DB                 LDA #$DB  ; SUBSTITUTE [
C862: C9 81             NOTK CMP #$81  ; CHECK FOR CONTROL A
C864: D0 0A                 BNE NTSHFT    ; SKIP IF NOT
-------------------------------------------------------------------------------
.............               .....    ... ......
.............               .....    ... ......
C870: 48           NTSHFT   PHA      ; SAVE CHARACTER
.............               .....    ... ......
.............               .....    ... ......
C8A0: 60                RTS
```

Change the code in the address range C85C-C864 to:

```
C85C: EA           KEYSTAT  NOP
C85D: EA                NOP
C85E: EA                NOP
C85F: EA                NOP
C860: EA                NOP
C861: EA                NOP
C862: EA                NOP
C863: EA                NOP
C864: EA                BMI NTSHFT
```

The effect of these statements is that no translation of characters
is done by the software on the VIDEX VIDEOTERM.

The software on your board may differ but
somewhere this translation is done.
So look for code in the PROM of your board where this translation is done.

Hope this is enough help for you to solve your problem.

Harry Schreurs

UUCP: ...{seismo,mcvax,prlb2}!philmds!nlgvax!harry

May the cold be with you!

From 6028296341719985187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-ArrivalTime: 1986-07-11 02:58:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!lsuc!mnetor!seismo!lll-crg!nike!ucbcad!ucbvax!decvax!dartvax!psc70!tos
From: tos@psc70.UUCP (Dr.Schlesinger)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <292@psc70.UUCP>
Date: Fri, 11-Jul-86 05:58:15 EDT
Article-I.D.: psc70.292
Posted: Fri Jul 11 05:58:15 1986
Date-Received: Sat, 12-Jul-86 07:45:33 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP>, <389@inuxm.UUCP>
Organization: Plymouth State College, Plymouth, NH
Lines: 9
Xref: lsuc net.nlang:2419 net.travel:1486 net.micro.pc:4441 net.micro.apple:853
net.database:329 net.wanted:3742 net.politics:6672 net.jobs:1573

>the same logic should apply. Shut the hell up about hiring for the Reds or
>get off the net.

    It is fascinating how consistently the "defense of American values" seems to take this kind of form. What more need one say?

Tom Schlesinger, Plymouth State College, Plymouth, N.H. 03264
uucp: decvax!dartvax!psc70!psc90!tos

From 2474415544557913600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-11 07:32:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!meccts!dicome!mmm!allen
From: allen@mmm.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.politics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <1018@mmm.UUCP>
Date: Fri, 11-Jul-86 10:32:04 EDT
Article-I.D.: mmm.1018
Posted: Fri Jul 11 10:32:04 1986
Date-Received: Sat, 12-Jul-86 06:21:40 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP> <389@inuxm.UUCP>
Reply-To: allen@mmm.UUCP (Kurt Allen)
Organization: 3M Company, St. Paul, Minn.
Lines: 36
Xref: utcs net.nlang:4682 net.travel:2720 net.micro.pc:8964 net.micro.apple:2864 net.database:337 net.wanted:9090 junk:1155 net.jobs:2489

In article <389@inuxm.UUCP> arlan@inuxm.UUCP (A Andrews) writes:
> then you are an idiot as well as the fool your statements make you appear
> to be.

From the mouths of babes ..

>No, adherenets of suppression whoever they are should not be allowed to use
>this net to hire/solicit volunteers for the butchers of Nicaragua,
 ...
>I would like to see the posters of such trash prohibited from taking
>advantage of this net to support communists, Sandinista or otherwise.
 .....
> Shut the h**l up about hiring for the Reds or get off the net.

Ugh, surely you don't mean to SUPPRESS these messages ?

Sometimes it's enough to make you believe in censorship. Generally though the piercing logic of your arguments, and your unique spelling, coupled with your amazing use of short illustrative words (hell, idiot, fool, Reds, etc) show a particularily unique mentality. Have you ever considered writing for a living. Maybe you should show your work to the American Spectator, or the National Enquirer! Such work can often be submitted to several sources, with only minor changes in key wording (Red Menance -> Evil Empire, Totalitarian Regime -> Communist Dictatorship, Nicaragua -> Lebanon -> Syria, South Africa -> Israel -> Honduras, etc) drastically increasing your writing throughput.

This message has been brought to you by the Butchers For Nicaragua, a non-profit organization dedicated to taking advantage of the net for the express purpose of posting Red trash. And now for something completely different ....

--
Kurt W. Allen
3M Center
ihnp4!mmm!allen

From -5576061414950476662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cf2222b0e6da022
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-11 08:29:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu.UUCP
Newsgroups: net.micro.apple
Subject: Re: Extended Memory Cards (Checkmate)
Message-ID: <1017@ius2.cs.cmu.edu>
Date: Fri, 11-Jul-86 11:29:40 EDT
Article-I.D.: ius2.1017
Posted: Fri Jul 11 11:29:40 1986
Date-Received: Fri, 11-Jul-86 23:17:45 EDT
References: <778@aicchi.UUCP>
Distribution: net
Organization: Carnegie-Mellon University, CS/RI

Lines: 17

In article <778@aicchi.UUCP> joeloda@aicchi writes:
>A frind of mine who uses Appleworks quite extensively on his //e seems
>to be in the market for an extended memory card to increase his available
>memory within Appleworks. As I see it, there seem to be three popular
>cards out now: Apple, AE Ramworks and Coit Valley Multiram.
                        ^^^^^^^^^^
Actually it's Checkmate Technologies, there ARE other dealers.
Anyone heard about their progress on the Gambit card?
(multifcn with 2 serial , 1 parallel, clock, 65C02?, 512K memory, and
'support' for an 80 column display)
--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu [most reliable] Phone: (412) 268-2847 [CMU-BUGS]
Amateur Radio: KA3PLY (c/o W3VC, CMU Radio Club) [packet mailbox coming soon!]
Fido: Ralph Hyre at Pitt-Net [may change soon, when I put up a BBS of my own!]

From 7080151748736789142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-11 16:39:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!lsuc!mnetor!seismo!ut-sally!pyramid!pesnta!valid!sas
From: sas@valid.UUCP (Scott Schoenthal <sas>)
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <436@valid.UUCP>
Date: Fri, 11-Jul-86 19:39:14 EDT
Article-I.D.: valid.436
Posted: Fri Jul 11 19:39:14 1986
Date-Received: Sat, 12-Jul-86 01:22:29 EDT
References: <3968@decwrl.DEC.COM> <2144@hammer.UUCP> <389@inuxm.UUCP>
<1399@oddjob.UUCP>

Organization: Valid Logic, San Jose, CA
Lines: 15
Xref: lsuc net.nlang:2416 net.travel:1484 net.micro.pc:4423 net.micro.apple:849
net.database:326 net.wanted:3737 net.politics:6667 net.jobs:1567

> In article <389@inuxm.UUCP> arlan@inuxm.UUCP (A Andrews) writes:
> > .. diatribe

In the future, please restrict this discussion to net.politics. Thank you.

(My apologies to net.nlang, net,travel, net.micro.pc, net.micro.apple,
 net.database, net.wanted, and net.jobs for cluttering your newsgroups.)

Scott Schoenthal
Valid Logic Systems
2820 Orchard Pkwy.
San Jose, CA 95134

Valid: sas@centre
UUCP: ..!{ihnp4,pyramid,amd,hplabs}!pesnta!valid!sas

From -5621913763384387940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15c7fc,adff040e53598d86
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 14b8a3,adff040e53598d86
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 119e22,adff040e53598d86
X-Google-Attributes: gid119e22,public
X-Google-Thread: 1197bb,adff040e53598d86
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 1520b8,adff040e53598d86
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15f443,adff040e53598d86
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,adff040e53598d86
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,adff040e53598d86
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-07-11 18:04:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!clyde!cbatt!cbosgd!ukma!psuvm.bitnet!psuvax1!
burdvax!sdcrdcf!ism780c!tim
From: tim@ism780c.UUCP
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Re: Reply to 'Update #2 on technical travel to Nicaragua'
Message-ID: <2798@ism780c.UUCP>
Date: Fri, 11-Jul-86 21:04:29 EDT
Article-I.D.: ism780c.2798
Posted: Fri Jul 11 21:04:29 1986

Date-Received: Sun, 13-Jul-86 20:22:41 EDT
References: <389@inuxm.UUCP> <1399@oddjob.UUCP>
Reply-To: tim@ism780c.UUCP (Tim Smith)
Followup-To: net.politics
Organization: Interactive Systems Corp., Santa Monica, CA
Lines: 9
Xref: utcs net.nlang:4685 net.travel:2726 net.micro.pc:8990 net.micro.apple:2875
net.database:342 net.wanted:9104 junk:1234 net.jobs:2497

Come on people! Even if the original article did belong in all these
groups, these followups do not! The referenced articles should have
been only in net.politics. I would like to be able to read technical
groups without seeing long articles arguing about the situation in
Nicaragua.
--
Tim Smith   USENET: sdcrdcf!ism780c!tim || ima!ism780!tim
"hey, bay-BEE'...hey, bay-BEE'" Compuserve: 72257,3706
                                  Delphi || GEnie: mnementh

From 2923720196378144452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7a831d0977e704c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-12 02:01:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!mcvax!philmds!achel!ruudl
From: ruudl@achel.UUCP
Newsgroups: net.micro.apple
Subject: Driver for ProDOS (Saturn) ramdisk
Message-ID: <3@achel.UUCP>
Date: Sat, 12-Jul-86 05:01:55 EDT
Article-I.D.: achel.3
Posted: Sat Jul 12 05:01:55 1986
Date-Received: Sat, 12-Jul-86 07:18:36 EDT
Organization: Philips I&E DTS Eindhoven
Lines: 19

I own a 64K Apple][+ with a 128K Saturn Ramcard in slot 5. I want to use the
ramcard as a ramdisk under ProDOS 1.1.1. Does anyone know how to do this.
I've written drivers for different versions of DOS (DiversiDOS 64K,DavidDOS)
which is quite easy if you know the entry address of de RWTS, then you simply
link your driver and the ramdisk can be accessed by a DOS command using the
",S5" parameter.
(If anyone is interested in these drivers send me mail, I'll send you a listing)
So I have 2 questions :
- What is the entry address for Read/Write block (or sector)
- How can I access the ramdrive under Bassic.system as /RAM
If anyone has an assembler listing for a driver that would even be better.
Please send me email so I can post the answers to the net.

email: UUCP ...mcvax!philmds!achel!ruudl
mail :   Ruud Linders (taf)

Aalsburg 2033
6602 VL Wychen
The Netherlands

From 3500538205942683080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,197f50b3d400e0a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-12 05:55:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!topaz!langbein
From: langbein@topaz.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <5326@topaz.RUTGERS.EDU>
Date: Sat, 12-Jul-86 08:55:49 EDT
Article-I.D.: topaz.5326
Posted: Sat Jul 12 08:55:49 1986
Date-Received: Sat, 12-Jul-86 22:33:43 EDT
References: <20@xrx3b.UUCP> <10100005@mcomp> <991@soma>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 1
Summary: Stephens Institute of Technology is in Newark, New Jersey. John Langbein,
Jerseyan "My Governor Can't say 'New Jersey'. Can Yours?

What I said in the header. (Sorry for that. I am still learning the
system.)

From 5119557439895762367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,197f50b3d400e0a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-12 06:06:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!topaz!langbein
From: langbein@topaz.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <5327@topaz.RUTGERS.EDU>
Date: Sat, 12-Jul-86 09:06:17 EDT
Article-I.D.: topaz.5327
Posted: Sat Jul 12 09:06:17 1986
Date-Received: Sat, 12-Jul-86 22:33:58 EDT
References: <20@xrx3b.UUCP> <10100005@mcomp> <991@soma.UUCP>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 8

sorry! My response did not appear properly in the last reply.
Stephens Institue is in New Jersey. I said that in the las summary,

but I didn't see it. It made me sound sarcastic, and I'm sorry.
                                                John Langbein
"my Governor Can't say 'New Jersey'. Can Yours?
p.s.: for those who didn't understand the significanse of the above
line, I'm from New Jersey.

From 5776165169378035212
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b2bb061927eb6ad7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-12 12:50:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!nike!ucbcad!ucbvax!hplabs!tektronix!orca!pogo!
bobs
From: bobs@pogo.UUCP
Newsgroups: net.micro.apple
Subject: New C Compiler- Response to Gordan Atwood
Message-ID: <2601@pogo.UUCP>
Date: Sat, 12-Jul-86 15:50:59 EDT
Article-I.D.: pogo.2601
Posted: Sat Jul 12 15:50:59 1986
Date-Received: Sun, 13-Jul-86 07:06:47 EDT
Organization: Tektronix, Inc., Beaverton, OR
Lines: 24
Keywords: apple, compilers

Gordan-
 I tried to mail this info to you directly several times, but something
kept going afoul. (Info from Call A.P.P.L.E., Jun 86')
I don't know anything about this product other than what it says in
the add. I would like more info about it myself!

****
PRODOS C COMPILER

  WSM GROUP announces its ProDOS C Compiler for Apple //e and //c.
Hyper C is a full K&R Standard C Compiler with numerous extensions
such as enumeration types, bitsets and bitset operators, direct
assignmenet of structs and arrays, nested functions, and more.
Produces assembler source code. Package includes code Assembler and
interpreter, native code 65C02 Assembler, sophisticated Assembler
Macro Expander, Overlay Linker, Librarian, Library Source Code,
Full-Screen Text Editor, and more.
  The ProDOS versions utilize a UNIX-like Shell which supports
hierarchical directories. The Professional version allows for the
production of stand-alone programs under ProDOS, and will allow the
production of ROMmable code under any environment. No license fees
for the use of the tools and source code. ProDOS Professional $99.95.
WSM Group, 1161 North El Dorado Place, Suite 241, Tucson, AZ 85715,
(602) 298-7910.

From 3188623852680495029
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13cc7c,287ddf24fc1e22d7,start
X-Google-Attributes: gid13cc7c,public
X-Google-Thread: 1622d3,287ddf24fc1e22d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-13 09:40:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!husc6!harvard!panda!genrad!decvax!bellcore!petrus!
sabre!zeta!epsilon!mb2c!megcng
From: megcng@mb2c.UUCP
Newsgroups: net.kids,net.micro.apple
Subject: Re: 12 year-old needs help in spelling
Message-ID: <1775@mb2c.UUCP>
Date: Sun, 13-Jul-86 12:40:23 EDT
Article-I.D.: mb2c.1775
Posted: Sun Jul 13 12:40:23 1986
Date-Received: Sun, 13-Jul-86 21:16:40 EDT
References: <1@unc.unc.UUCP>
Distribution: net
Organization: Michigan Bell, Southfield, MI
Lines: 33
Xref: utcs net.kids:3320 net.micro.apple:2876

>
>
>   Hello everyone - I'm hoping that some of you will have some ideas
> on how to help us. My twelve year old boy is having a great deal of
> difficulty in spelling. He reads at the 8th or 9th grade level, but spells
> at the 4th or 5th. We homeschooled him for 3 years and pretty much let him
> guide where the learning would go - hence the disparity. This was in fact
> a good thing since before we took him out of school the teachers were starting
> to say that he was learning disabled and would have a very hard time ever
> learning to read. Well, now that his reading is well ahead of track, the
> spelling problem is starting to really hold him back (he wants to be a writer!).
> Any suggestions on materials, programs (we have an Apple II+), or other
> techniques that we can use to help him better his spelling will be greatly
> appreciated. Please respond by mail to me, and if there is enough interest
> expressed I will post the results to the net. Thanks in advance!
>
> --
>
>   Chuck Mosher
>   UNC - Chapel Hill
>   {decvax,ihnp4}!mcnc!unc!cm
>
>
> Sometimes you're winners, sometimes you're losers,
> we NEVER can win against so many Poozers!

Try getting a "Speak 'N Spell" by Texas Instruments. Kids seem to really

like it and it will keep your Apple free for you to use...

(No financial interest in TI...just a satisfied customer..)

From 2605151181098962442
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,749a496925e661d5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-13 15:53:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!nike!ucbcad!ucbvax!hplabs!qantel!ptsfa!ski!dr
From: dr@ski.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e Enhanced ROMS
Message-ID: <284@ski.UUCP>
Date: Sun, 13-Jul-86 18:53:30 EDT
Article-I.D.: ski.284
Posted: Sun Jul 13 18:53:30 1986
Date-Received: Mon, 14-Jul-86 22:34:18 EDT
Reply-To: dr@ski.UUCP (David Robins)
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 19

About the interrupt time for the new //e ROMS:

The manual for the Enhancement Kit, as well as the new reference manual,
says that the interrupt handler takes AT LEAST 150-200 microsec. to call
your handling routine, and 40 to 140 microsec to restore after. This is
assuming the interrupts are not hnadled through ProDOS's interrupt
dispatcher, which takes even more time.

The books don't say what the MAXIMUM time is to call your handling routine.
--
==
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -5002357212798305664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4ad9f8de8f6f2352,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-07-13 18:49:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!mnetor!seismo!caip!nike!ucbcad!ucbvax!decwrl!
barrisi@nymgr.dec.com

From: barrisi@nymgr.dec.com
Newsgroups: net.micro.apple
Subject: //GS Again
Message-ID: <4147@decwrl.DEC.COM>
Date: Sun, 13-Jul-86 21:49:18 EDT
Article-I.D.: decwrl.4147
Posted: Sun Jul 13 21:49:18 1986
Date-Received: Mon, 14-Jul-86 07:29:10 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 12

Sorry to clutter the Net with this again....I've been away at 8800 school
(yes I can still walk) for awhile. Does anybody have an specs on it?? Since
I have alot of stuffor my //e and would ds of others)her get something thats
what compatibl??? I walso (like thousands of other)want BETTER GRAPHICS like
the ST..(forget the amiga yeccchhhh!!!) Listening Apple?? Is it hopeless.
Should I sell my //e and by t) an????

U can respond vis vaxmail @ NYMGR::Barrisi

HaVe PhUn

JoE CrApArOtTa

From -5806477512229211694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-08 15:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!princeton!allegra!ulysses!mhuxr!mhuxn!
ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Word Processors
Message-ID: <4500031@uok.UUCP>
Date: Sun, 8-Jun-86 18:56:00 EDT
Article-I.D.: uok.4500031
Posted: Sun Jun 8 18:56:00 1986
Date-Received: Fri, 13-Jun-86 03:02:14 EDT
References: <3806@utah-cs.UUCP>
Lines: 9
Nf-ID: #R:utah-cs.UUCP:3806:uok.UUCP:4500031:000:320
Nf-From: uok.UUCP!vfoster   Jun 8 17:56:00 1986

I have found that the integrated package of Appleworks is fabulous.
The Word processor, from my usage of the IBM Writing Assistant with
it's function keys, is superior in use. The accompanying documention
with Appleworks is also clear, complete, and easy to follow.
To me, the best...

Vincent Foster
Univ. of Oklahoma

From 2603813963712861664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,198dab6eeed2efa9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-08 21:17:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!nbires!isis!scicom!galyen
From: galyen@scicom.UUCP (Robert Galyen)
Newsgroups: net.micro.apple
Subject: Re: Franklin FDOS
Message-ID: <510@scicom.UUCP>
Date: Mon, 9-Jun-86 00:17:04 EDT
Article-I.D.: scicom.510
Posted: Mon Jun 9 00:17:04 1986
Date-Received: Thu, 12-Jun-86 01:17:02 EDT
References: <209@neoucom.UUCP>
Organization: Electrum Resources
Lines: 25
Keywords: FDOS, Ace1000, Apple 2
Summary: APPLE/FRANKLIN USER GROUPS

In article <209@neoucom.UUCP>, wtm@neoucom.UUCP (Bill Mayhew) writes:
>
>   The problem is that FDOS works o.k. on an Apple with 64K of
> memory for reading, but not writing to disk. FDOS wipes out the
> catalog when attempting a SAVE/BSAVE on an Apple. I wonder if the
> Franklin LSI controller chip has something magic inside that is
> different?
>
>   Anybody have any experiences or care to comment? The
> Ace-1000 really was't a bad knock-off of an Apple, provided that
> you got one that didn't have the ROM-less soft-boot version. We
> had a soft-boot that never would actually boot, so we de-kludged it
> and put copies of the original ROMs back in, and all was fine.
>
There are a number of Apple/Franklin user groups that could probably help with your problem. A few that come to mind are M.A.U.G. on CompuServe, Franklin Users Group Int'l (417/869-5294 modem), and Aces High (303/329-6579 modem).

Good luck

An expert is a person who avoids the small errors while sweeping on to the grand fallacy.

What is mine is mine. Would anyone else claim this...please?

From 5556992603491671619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e896b8ef0c07c169,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-09 06:24:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!caip!princeton!allegra!ulysses!
burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro.apple
Subject: How can you tell if you have an 80 column card installed?
Message-ID: <1303@burl.UUCP>
Date: Mon, 9-Jun-86 09:24:56 EDT
Article-I.D.: burl.1303
Posted: Mon Jun 9 09:24:56 1986
Date-Received: Thu, 12-Jun-86 01:26:00 EDT
Reply-To: geoff@burl.UUCP (geoff)
Organization: AT&T Technologies, Burlington NC
Lines: 14

There is probably a trivial answer I should already know, but I don't.
I know I can read SIGBYTE (at some addr or another, I have it at home)
to find out if I am on an Apple IIe, but how do I tell if the computer
I am running on has the 80 column card installed? I think if I start
hitting soft switches if I don't have the card disaster will result.
Thanks for your help.
--

          geoff sherwood
          ...![ihnp4 ulysses cbosgd mgnetp]!burl!geoff
          ...![ihnp4 cbosgd akgua masscomp]!clyde!geoff

"If your words can't stand on their own,
     adding volume won't help"

From -1614094331506392265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4cf531be984424d6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-09 07:30:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!pucc-j!pucc-h!ags
From: ags@pucc-h (Dave Seaman)
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal & Assembly - Expert Help Needed
Message-ID: <2877@pucc-h>
Date: Mon, 9-Jun-86 10:30:44 EDT
Article-I.D.: pucc-h.2877
Posted: Mon Jun 9 10:30:44 1986
Date-Received: Thu, 12-Jun-86 03:04:35 EDT
References: <2236@uwmacc.UUCP>
Reply-To: ags@pucc-h.UUCP (Dave Seaman)

Distribution: net
Organization: Purdue University Computing Center
Lines: 30

In article <2236@uwmacc.UUCP> dan@uwmacc.UUCP (dan jatnieks) writes:
>   1. I haven't found a good way to share data (labels) between two or more
>   ".PROC"'s. Supposedly, using ".DEF" and ".REF" will make a label
>   globally available, but I had problems with this. If the routine in
>   which the label is defined is *not* the first routine (sequentially) that
>   uses it it seemed to assemble and link o.k., but it wouldn't run
>   correctly.

I have not run into this, even though I have used quite a few .DEFs and
.REFs. Are you using version 1.2? I seem to recall there was a bug
in the version 1.1 linker that might explain this.

>   2. I tried to write a Pascal program that would test all of the assembly
>   routines that I wrote. In this program all the assembly routines were
>   declared as "EXTERNAL". Compiling this program kept giving me a very
>   cryptic "Stack Overflow" message followed by a reboot.

There are two solutions to this: use the compiler swapping {$S+} option, or
(under version 1.2) use the system configured for 128K. Note the amount
of free space reported by the compiler at the beginning of each procedure.
If that number gets too small, a stack overflow is likely.

>   3. Does anyone know of a GOOD technical manual about Apple Pascal and using
>   assembler from it?

I am not aware of any better source than the Apple documentation. Sorry.
--
Dave Seaman   pur-ee!pucc-h!ags

     "I wish I had time to explain Dimensional Transcendentalism!"

From -414666903454997728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a88e2f1ab52da033
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-09 11:46:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!nike!cad!ucbvax!sdcsvax!sdcc6!
sdcc7!ln63spa
From: ln63spa@sdcc7.UUCP (Grobbins)
Newsgroups: net.micro.apple
Subject: Re: Apple II Plus keyboard (Videx Enhancer II)
Message-ID: <429@sdcc7.UUCP>
Date: Mon, 9-Jun-86 14:46:05 EDT
Article-I.D.: sdcc7.429
Posted: Mon Jun 9 14:46:05 1986
Date-Received: Fri, 13-Jun-86 01:50:40 EDT
References: <1084@unmvax.UUCP>

Reply-To: ln63spa@sdcc7.UUCP (Grobbins)
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 17

In article <1084@unmvax.UUCP> casa@unmvax.UUCP (Jim Pittman) writes:
>For a hardware type-ahead buffer, and a LOT more, get the Videx Enhancer II
>keyboard enhancer.

True, the Videx keyboard enhancers really make life more pleasant on Apple
II's and II+'s. But before buying an Enhancer, check to make sure it will
work with your keyboard! Apple II's and early Apple II+'s, generally
Revisions 0 through 6, had a one piece keyboard circuit board, rather than
the two-piece board the Videx Enhancer II needs to attach. Videx makes
(the original) "Keyboard & Display Enhancer" for the pre-revision 7
keyboards, and while this provides a very nice, fully functional keyboard,
it does not give some of the extra features available on the Enhancer II.
Notably, the original K&D Enhancer does not have a type-ahead buffer, and
it does not allow for programmable function keys. (The original is also
hard to find, though it can be ordered from Videx in Corvallis, OR.)

Grobbins.

From -1922505537642263425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e69164e8fc1322ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-09 16:35:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcs!flaps
From: flaps@utcs.UUCP
Newsgroups: net.micro.apple
Subject: Mathematical Word-Processing Software - Request for Information
Message-ID: <1986Jun9.19:35:17.7008@utcs.uucp>
Date: Mon, 9-Jun-86 19:35:17 EDT
Article-I.D.: utcs.1986Jun9.19:35:17.7008
Posted: Mon Jun 9 19:35:17 1986
Date-Received: Mon, 9-Jun-86 19:41:12 EDT
Reply-To: flaps@utcs.uucp (Alan J Rosenthal)
Organization: University of Toronto
Lines: 19

Subject: Mathematical Word-Processing Software - Request for Information

An acquaintance of mine is interested in attempting to write a mathematical
text but finds his current software woefully inadequate. He is especially
interested in PD software (for apple; he would consider purchasing a CP/M card
as well) but is interested in information about existing commercial software
as well. He has low expectations and is chiefly interested in sophisticated
vertical spacing ability to write legible fractions, integrals, and
sub/superscripts. He would enjoy a few Greek letters if possible. He is not

at all a computer person and would appreciate what-you-see-is-what-you-get style wordprocessing, but could adapt I'm sure, especially as far as symbols go.

Please send information to me by E-mail at the following address because I do not read this group. Thank you!

Alan J Rosenthal
{decvax|cbosgd|linus}!ihnp4!utcs!flaps, utzoo!utcs!flaps

From -6487978660210764469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc5f0a99ff79bdd1,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,fc5f0a99ff79bdd1,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-10 13:02:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!lll-lcc!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple,net.micro
Subject: Houston Inst. DT-11A HI-PAD/APPLE II help!
Message-ID: <271@ski.UUCP>
Date: Tue, 10-Jun-86 16:02:30 EDT
Article-I.D.: ski.271
Posted: Tue Jun 10 16:02:30 1986
Date-Received: Sat, 14-Jun-86 06:05:00 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 26
Xref: linus net.micro.apple:2527 net.micro:13427

Posted for an associate:

We are using a Houston Instruments HI-PAD with the Parallel Card Option. This is a replacement for the older DT-11A package, which used to include "user contributed software on diskette" and a "menu overlay".

Houston no longer offers nor supports this particular package. The newer parallel interface option does not come with any software. This newer option is relatively useless without the software. [Houston seems to be basically supporting the IBM-PC package. :-( ]

If anyone in netland has this user contributed software and/or menu overlay, PLEASE email me a reply, as I'd like to get in touch with you.

Thank you.
--
==
David Robins, M.D.

Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 4114073804670910989
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dbfc89bfd00ca623
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-10 21:03:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!nike!cad!ucbvax!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Imagewriter II
Message-ID: <3606@reed.UUCP>
Date: Wed, 11-Jun-86 00:03:37 EDT
Article-I.D.: reed.3606
Posted: Wed Jun 11 00:03:37 1986
Date-Received: Sat, 14-Jun-86 06:15:00 EDT
References: <4500029@uok.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 53

In article <4500029@uok.UUCP> vfoster@uok.UUCP writes:
>
>I currently own an Apple //e with a daisy wheel printer. I am in the
>process of selling it in favor of purchasing the Apple Imagewriter II.
>
>I would appreciate any comments (good or bad) concerning the usage
>of this particular printer.
>
>Thanks.
>
>Vincent Foster
>Norman, OK

I have been working a lot with IW2's, and there seems to be a few bugs
when working with Mac's. However, Apple has not officially announced a
"bug". This mean that dealers might or might not be aware of it, and
probably don't know what to do about it anyway.

Anyway, the lady I live with has a //c and IW2. I swear that the
output from the //c-IW2 in elite-NLQ mode is far superior to any output
I have ever gotten from the Mac. It really is very good quaility.

The doc's that come with the IW2 basically suck. The quick reference
card tells you more than the whole manual, at least from a programmer's

point of view.

Finally, with a //e or //c you can use the 32K memory buffer. This is fantastic. There is a third party vendor out that makes a 128K version of it. We printed a 10 page paper in about 30 seconds. We could then continue on with Appleworks as normal. (A note: Appleworks v1.2 needs to be configured for use with the IW2, but it's well covered in the manual.) Also note the is an official bug with using a 3.5 inch drive and Super Serial Card. As you'd expect, Apple didn't follow there own guidlines when writing their firmware. They forget to read $CFFF before jumping to the $C800 space. This was never a problem until the 3.5 inch controller card.

One last note concerning cables for both the IW2 and Apple Personal Modem. The pinouts in both manuals are incorrect. Be very wary. It's important. Yu'll nevery figure out why it isn't working. It won't damage anything, but it will seem like it's working...

Enough. I would buy an IW2 if not for the fact I have a C.Itoh. ANd I'm broke...:-)

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

From -6031903163477884447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6d656ae53070006,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-11 11:16:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!bellcore!ulysses!mhuxr!mhuxn!ihnp4!alberta!gordon
From: gordon@alberta.UUCP (Gordon Atwood)
Newsgroups: net.micro.apple
Subject: A question, and a warning about Prodos
Message-ID: <938@alberta.UUCP>
Date: Wed, 11-Jun-86 14:16:29 EDT
Article-I.D.: alberta.938
Posted: Wed Jun 11 14:16:29 1986
Date-Received: Thu, 12-Jun-86 19:37:27 EDT
Distribution: na
Organization: U. of Alberta, Edmonton, AB
Lines: 52

For those of you who have been playing around with Prodos (on the Apple IIe, but this will probably apply to the IIc, and the II), I ran across an interesting (to me) problem. Prodos failed to peform a BSAVE (with certain)

parameters. Specifically:

BSAVE /RAM/TEMP, A$1000, L$300, B$400, TTXT

resulted in a transfer of information that appeared to have taken the B-parameter and replaced it with the L-parameter.

ie, equivalent to BSAVE /RAM/TEMP, A$1000, L$300, B$300, TTXT

A subsequent attempt using:

BSAVE /RAM/TEMP, A$1000, L$200, B$400, TTXT

result in a similar equivalencie, ie ,L$200, B$200, TTXT.

I investigated further and discovered the culprit to be buried in the MLI (the BI read in the correct parameters). At this point I went to a local dealer and obtained a new copy of Prodos (although it turned out to be the same version 1.1.1). The dealers version worked fine, so I replace my version with theirs.

It's quite possible that my problem was just a random glitch, but if any of you are tinking around with the BSAVE command, and having problems, you might try my solution. [Incidently, I have had no problem with the BLOAD command].

Now for the question.

I have a RENUMBER program (from who knows where) that worked reasonably well under DOS 3.3. However, after porting it to PRODOS it just dies when given a Basic program.

I am currently investigating allocating a buffer before loading the program, but am not meeting with success. If by any chance you have had a similar problem (and have solved it), I would love to here about your solution.

Please note: Solutions that involve buying a new one, or writing my own need not be sent to me.

Hope someone out there found this interesting.

G.H.A.

From -4362609653636096812
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,cdccaf6702c8ec3b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-11 12:49:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!pyramid!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: broken Super Serial Card
Message-ID: <3618@reed.UUCP>
Date: Wed, 11-Jun-86 15:49:48 EDT
Article-I.D.: reed.3618
Posted: Wed Jun 11 15:49:48 1986
Date-Received: Sun, 15-Jun-86 07:19:09 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 37

thiq us nit bargles 8fj po hen pwea zit! ping!

I was a wee bit hasty in my posting about the SSC. Therre is a bug. It is, as I said, caused by the fact that the SSC does not read $CFFF before it jumps to the $C800 space. It is, however, in the Pascal protocal firmware. The bug originally surfaced with Apple's Access II software, SSC, & UniDisk 3.5.

"The Pascal entry points on the SSC, however, jump right into the $C800 ROM without referenceing $CFFF. Apperently the bug hasn't surfaced before because the SSC could overpower most other cards whose ROM was still on. The UniDisk 3.5 card, however, uses the same chips to "drive the bus" as the SSC, and neither can overpower the other."
--Open-Apple June 86

So your routines that call the SSC Pascal entry points must access $CFFF first for it. I tend not to use Pascal points, so it may not be a problem for most. However, the rom on the SSC is a 2316 and could be rewritten to do it right.

Silly Apple :-)

Hope this clears things up a bit.

(Thanks Ralph!)

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

From -528117610073945614
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d503a87411fbad74,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-12 06:46:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!lll-crg!seismo!hao!
noao!hsi!archer
From: archer@hsi.UUCP (Rehcra Yrrag)
Newsgroups: net.micro.apple
Subject: Commercial graphics software packages query.
Message-ID: <369@hsi.UUCP>
Date: Thu, 12-Jun-86 09:46:50 EDT
Article-I.D.: hsi.369
Posted: Thu Jun 12 09:46:50 1986
Date-Received: Tue, 17-Jun-86 19:42:00 EDT
Distribution: net
Organization: Health Systems Int., New Haven, CT.
Lines: 40

I have been writing a soccer game in Applesoft BASIC on my 128k Apple IIc
when I have the time. Without going into specific details, the game keeps
track of teams in a World Cup tournament. I was hoping to finish it in time
for the 1986 World Cup Finals in Mexico, but it looks like its going to have
to wait for the next Finals in 1990! Anyway, the game keeps track of databases,
scores and which teams qualify for the next round.

The game depends on random numbers very heavily. The user simply watches
and waits to see how the teams match up and who will eventually win the
World Cup. This is interesting, but my plan all along has been to have
user interaction, having the user play the computer, or two users play each
other. This would be done with GRAPHICS of course... and SOUND to make it
all the more interesting. We're also talking joysticks! The game has
excellent data management but as yet no action.

FINALLY MY QUESTIONS (phew!)

This is the first game with graphics that I have yet designed.
I could write my own machine language routines, but hey, I want this game
finished before 1990, you understand, of course! I was wondering if anyone
could recommend a graphics software package to help me out. All I want is
for my Applesoft BASIC game to call up a graphics routine (to play a game)
and return the final score back to my game. I wondered if Penguin Software's
"The Graphics Magician" (double hi-res version) might meet my needs.

Has anyone reading this ever used this software for similar purposes and would
you recommend it? Could you describe how you use "The Graphics Magician" this

way? Also, are there any other graphics packages that are as good if not
better? An advertisement in my July issue of InCider magazine shows "GameMaker"
from Activision. It looks like a new software package, the ad impressed me.
Has anyone seen or heard of "GameMaker" or had any experience with "GameMaker"?

Thanks in advance for all helpful responses.
--

Garry Archer   ihnp4!hsi!archer
Health Systems International
New Haven, CT 06511
USA

From 4468983953139575685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6aa6aaa5060f2840,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-12 08:54:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!topaz!think!harvard!
bu-cs!bucsb.bu.edu!riz
From: riz@bucsb.bu.edu.UUCP (Rizal Ishak)
Newsgroups: net.micro.apple
Subject: Mini survey
Message-ID: <332@bucsb.bu.edu.UUCP>
Date: Thu, 12-Jun-86 11:54:10 EDT
Article-I.D.: bucsb.332
Posted: Thu Jun 12 11:54:10 1986
Date-Received: Tue, 17-Jun-86 21:42:08 EDT
Organization: Boston Univ Comp. Sci.
Lines: 18

As an user, answering these two questions may ultimately benefit
you.

1. Would you like to have different colored diskette covers so that
    you can more readily distinguish your disks at a glance?

2 a. Would you rather purchase brandless 5 1/4 inch diskettes priced
      at 50 cents each, or,

   b. purchase brand name diskettes at $1.30 each?

Send your comments to riz@bucsb.bu.edu

Thank you for your co-operation with DISKOVERS, P.O BOX 684, Kenmore Square,
Boston, MA 02215, U.S.A.

From 7725176211040517389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e896b8ef0c07c169
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-12 12:17:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site jplgodo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!trwrb!scgvaxd!wlbr!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x43171 156/224)
Newsgroups: net.micro.apple
Subject: Re: How can you tell if you have an 80 column card installed?
Message-ID: <810@jplgodo.UUCP>
Date: Thu, 12-Jun-86 15:17:04 EDT
Article-I.D.: jplgodo.810
Posted: Thu Jun 12 15:17:04 1986
Date-Received: Tue, 17-Jun-86 06:47:49 EDT
References: <1303@burl.UUCP>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 15

In article <1303@burl.UUCP>, geoff@burl.UUCP (geoff) writes:
> [summary: how can I tell if there is an 80 column card installed on a //e]
There is an ID byte near the start of each slot's ROM space that tells
generally what kind of card is installed there. The Technical Reference
Manual for the //e describes the signature bytes and what they mean. If
you don't have the manual or can't find the information, let me know and
I will look in mine (its at home right now). Note: not all manufacturers
of add-on cards do this right but most seem to.
--

...smeagol\   Steve Schlaifer
......wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....group3/   4800 Oak Grove Drive, M/S 156/204
                  Pasadena, California, 91109
                       +1 818 354 3171

From 329797592664279977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-12 17:23:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!soma!hung
From: hung@soma.UUCP (Hung Khac Minh Nguyen)
Newsgroups: net.micro.apple
Subject: Re: Word Processors
Message-ID: <911@soma.UUCP>
Date: Thu, 12-Jun-86 20:23:33 EDT
Article-I.D.: soma.911
Posted: Thu Jun 12 20:23:33 1986
Date-Received: Sun, 15-Jun-86 07:49:42 EDT

References: <1005@spice.cs.cmu.edu>
Organization: Neurology, Baylor College of Medicine, Houston, Tx
Lines: 24
Summary: a suggestion

In article <1005@spice.cs.cmu.edu>, djz@spice.cs.cmu.edu (Daniel Zigmond) writes:
> I've gotten very frustrated with using AppleWritter II, especially when I
> look at programs like Word Perfect for the IBM PC. Is there some better
> word processor for the Apple //e? I know about AppleWorks, but as far as I
> can tell, it doesn't come close to the power of the really good programs for
> the PC. I'd really appreciate some recommendations.

If you like MacWrite (for Macintosh), there's a program to emulate such
called MULTISCRIBE. It features pull-down menu and can be used with or
without a mouse. It has a font editor on the flip side of the disk, and it is
able to convert files you have now (Applewriter). It uses the double hi-res
screen and therefore requires 128K enhanced //e. It sells for only $59.95.
The next one up in price in this class is Roger Wagner's, and it sells for
around $150.00. MULTISCRIBE was written by a couple of friends of mine
at Rice University in Houston (take my word for it, these guys are both
superb students) , and I was among the guinea pigs testing it out. It's a
quality program.

--
Hung Nguyen   uucp: {shell,rice,drillsys}!soma!hung
Opinions are mine alone.   U.S.mail: Neurology, Baylor College of Medicine,
                        One Baylor Plaza, Houston, TX 77030
"Those who think they know everything are annoying those of us who do."

From -3274404756218045620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-15 20:43:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!mhuxv!mhuxf!mhuxm!mhuxn!ihnp4!
inuxc!iubugs!iuvax!cdaf
From: cdaf@iuvax.UUCP (Charles Daffinger)
Newsgroups: net.micro.apple
Subject: Request info on structured lang's suitable for serious development
Message-ID: <585@iuvax.UUCP>
Date: Sun, 15-Jun-86 23:43:22 EDT
Article-I.D.: iuvax.585
Posted: Sun Jun 15 23:43:22 1986
Date-Received: Wed, 18-Jun-86 04:21:38 EDT
References: <1005@spice.cs.cmu.edu> <911@soma.UUCP>
Reply-To: cdaf@iuvax.UUCP (Charles Daffinger)
Organization: Indiana University, Bloomington
Lines: 20
Keywords: Languages

I work at a small software house (ca. 45 employees) developing educational software. Most of our stuff is in APPLESOFT (ugh!) and assembler, with an ampersand extension to BASIC (to do all kinds of neat stuff). We want to get away from applesoft, since its structure (or lack thereof) dons not lend itself to our working environment. We are looking for a structured language, like MODULA-2, a DOS based PASCAL (sorry.. no CP/M), C, or the like. The disadvantages to those which have been reviewed are their extremely slow compile time, ergo development time, and difficulty in adding our own machine code routines. Anybody out there who has used or knows of a structured language for the apple, please let me know i) where I can get it (eg who makes it), ii) how reliable is it? Is it suitable for SERIOUS development work? iii) how would you rate compile time, and whether you know if an accelerator card would speed compile time significantly, iv) How large a program will it support on a 64K][+ or //e, v) Will it link routines from a user-created library? vi) What are its graphics capability? vii) will it link User-written Assembly code? viii) how much does it cost?

Any reply would be greatly appreciated. -
CDAFfy

From -8237996671497564181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22195c3370816a51,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-15 21:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!meccts!dicome!mmm!umn-cs!isucs1!UUCP!heins
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Apple BBS
Message-ID: <14200011@isucs1.UUCP>
Date: Mon, 16-Jun-86 00:58:00 EDT
Article-I.D.: isucs1.14200011
Posted: Mon Jun 16 00:58:00 1986
Date-Received: Sat, 21-Jun-86 07:09:11 EDT
Organization: Iowa State University, Ames, Iowa
Lines: 24
Nf-ID: #N:isucs1.UUCP:14200011:000:626
Nf-From: isucs1.UUCP!heins Jun 15 23:58:00 1986

Apple users:

I am currently sysoping a BBS run on an Apple. Here is the info.

The Midnight Zone

24hours
300bps
515/232-1117

The system is currently run on an Apple][+ with 64k, two floppy drives an Apple Cat][modem, and a Mountain Hardware CPS multifunction card (clock) I have plans to upgrade by replacing the Apple Cat][with a Novation Smart Cat 212 and a Super Serial Card, and by getting my 10 meg Corvus hard drive fixed.

New users are welcome.

Lee Heins
{okstate, umn-cs, csu-cs}!isucs1!heins
heins@iowa-state.CSNET

Disclaimers:

Don't blame them, I'm just a guest.

From -862223430633717393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,793618eb3c1b6136,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-16 09:37:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!mhuxv!mhuxh!mhuxj!mhuxn!ihnp4!alberta!cadomin!gordon
From: gordon@cadomin.UUCP (Gordon Atwood)
Newsgroups: net.micro.apple
Subject: Prodos Questions and Answers II
Message-ID: <666@cadomin.UUCP>
Date: Mon, 16-Jun-86 12:37:11 EDT
Article-I.D.: cadomin.666
Posted: Mon Jun 16 12:37:11 1986
Date-Received: Wed, 18-Jun-86 03:21:42 EDT
Distribution: na
Organization: U. of Alberta, Edmonton, AB
Lines: 82

Old Stuff:

In my last article I mentioned a problem I was (and am) having convincing a RENUMBER program to execute under Prodos. Its an old program, which allows you to merge files or renumber them. One response (the only one) suggested it wasn't setting up the Himem pointer correctly. My apologizes, I thought I had made it clear in my article that the program was loading, and settin himem correctly. However, when told to renumber a Basic program (via the & command) it hangs.

To Clarify:

1) The program is loaded, and Himem is adjusted correctly. The & command is set correctly.

Possible Problems:

1) Prodos may insist on the Renumber program occupying a buffer that has been allocated via the Prodos ALLOC_BUF routine.

2) Prodos no longer uses the Lomem pointer in the same way. The whole procedure for finding the beginning of the Basic program seems to have changed.

Number 2) seems the most likely culprit, but 1) will eventually screw something up.

If I ever get around to fixing this problem (or if someone sends me a usable solution) I will post it.

New Stuff:

Another warning:

The Prodos convert routine has an interesting bug (feature). It seems that if you have a DOS 3.3 Basic Program which contains REM statements which in turn contain '$' (dollar signs), and you try to convert this program to a Prodos file, it becomes beautifully garbled.

I have only studied this in one direction (DOS-->Prodos). My particular sample had a reminder as to what Hex address I was getting at in the program. The solution was to replace '$' with 'HEX'. Note, '$' used in actual statements, like BLOAD TEMP, A$1000, L$1000 ar converted correctly.

My latest problem:

Careful examination of various documenation (and many experiments) has revealed that Prodos is quite series in calling TEXT files ASCII TEXT files. Such files will only store 7-bit data. The MSB is ignored. This, of course, means that actually byte values that you might wish to save in a text file must either be 7-bit, or spread over 2 characters. (Needless to say, I find it abhorrent that Apple has once again chosed to ignore versatility in code).

Now, my specific application would be most easily implemented if I could have random access files storing 8-bit bytes. The information could then be stored in strings and read in and written out using the READ and WRITE commands. However, even if I use a User-defined file type, the READ and WRITE routines still chop of the MSB.

One of the things I intend to investigate is the NEWLIN routine. However, nowhere in the documentation, is there any indication that this routine is actually used when you read and write information from a Basic program to a file.

If you have encountered this problem, and have managed to get around it, I would be most interested in hearing your solutions.

A final question:

Has anyone out there purchased (or otherwise obtained) the Beneath Apple Prodos Supplement Package? (This is apparently only available to people who have purchased the Beneath Apple Prodos Manual). Is it any good, how detailed is its information. What else can you tell me.

[Please read that paragraph twice before answering. I am interested in the Supplement, not the initial manual].

Hope you found this of some interest and use.

G.H.A.

From 5763698436854237096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e896b8ef0c07c169
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-16 12:40:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!think!mit-eddie!genrad!decvax!mcnc!rti-sel!jb
From: jb@rti-sel.UUCP (Jeff Bartlett)
Newsgroups: net.micro.apple
Subject: Re: How can you tell if you have an 80 column card installed?
Message-ID: <856@rti-sel.UUCP>
Date: Mon, 16-Jun-86 15:40:10 EDT
Article-I.D.: rti-sel.856
Posted: Mon Jun 16 15:40:10 1986
Date-Received: Wed, 18-Jun-86 05:20:27 EDT
References: <1303@burl.UUCP>
Organization: Research Triangle Institute, NC
Lines: 16

> .... how do I tell if the computer
> I am running on has the 80 column card installed?
>
> geoff sherwood
> ...![ihnp4 ulysses cbosgd mgnetp]!burl!geoff
> ...![ihnp4 cbosgd akgua masscomp]!clyde!geoff
>

The C300 firmware contains a routine called 'testcard' which will tell.
I don't have my Apple IIe firmware suppliment in hand, but I seem to remember that it pokes an '*' into 80 column card and tries to read it back.

Jeff Bartlett
Research Triangle Institute mcnc!rtisel!jb

All the world is a digital stage, and we only play 'bit' parts.

From -2577458842578309084

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7185ee083d07866,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,f7185ee083d07866,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-17 11:15:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!lll-crg!lll-lcc!
qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro,net.micro.apple
Subject: New Apple //GS
Message-ID: <273@ski.UUCP>
Date: Tue, 17-Jun-86 14:15:20 EDT
Article-I.D.: ski.273
Posted: Tue Jun 17 14:15:20 1986
Date-Received: Fri, 20-Jun-86 04:04:25 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 21
Xref: watmath net.micro:14853 net.micro.apple:2829

In a computer column in the Sunday, June 15 San Francisco Chronicle:

"   According to James Moran of Compuserve's daily news service,
Online Today, Apple is showing a version of forthcoming Apple //GS to
dealers in Europe. Moran says the machine is being called the Vegas
PC. It supposedly includes 512K of random-access memory expandable to
8 megabytes, RS232 and parallel printer ports, disk and mouse
controllers, and seven expansion slots. The color display features
768 x 512 resolution with 128 colors available at any one time from a
palette of 4,096 colors."

--
==
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -1727124496187752966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,906c3b20ab239f5c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-17 13:57:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!pucc-
j!air

From: air@pucc-j (Tom Arnold)
Newsgroups: net.micro.apple
Subject: ProDOS Bug??
Message-ID: <1373@pucc-j>
Date: Tue, 17-Jun-86 16:57:36 EDT
Article-I.D.: pucc-j.1373
Posted: Tue Jun 17 16:57:36 1986
Date-Received: Thu, 19-Jun-86 07:34:48 EDT
Reply-To: air@pucc-j.UUCP (Tom Arnold)
Organization: Purdue University Computing Center
Lines: 20
Keywords: prodos bug 1.0.1 1.0.2

I have had a problem when running in ProDOS for quite awhile and have yet
to find a cure. I run a bulletin board system and found that my bbs program
was so large I had to split the file up into chunks and CHAIN between them.
Every now and then, when the program would CHAIN to another section, the
disk drive would just lock up! Upon further inspection, I would find that
all variables had been lost as well. I figure that ProDOS loses all pointers
and variable assignments and doesn't know where to go. I have just recently
been running the board with different software and it has been CHAINing fine
between sections. But today (and a few times before) it locked up when it
went to list out a text file. Once again, all variable assignments had been
lost. If anyone can think of a "cure" for this "disease" please let me know!
If it makes any difference, I am running on an enhanced //e, 128k 80col card,
two floppies, and a Sider 10meg drive (it's for sale by the way).
Either mail me, reply here, or phone me voice or my board.

           Tom Arnold -- Purdue University

        voice -- 317-743-3179
        modem -- 317-743-6762 <-- The Boiler Room BBS

From -3243914551935011299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e23438d0496c5ee2,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,e23438d0496c5ee2,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-18 08:29:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!seismo!columbia!
lexington.columbia.edu!polish
From: polish@lexington.columbia.edu (Nathaniel Polish)
Newsgroups: net.micro,net.micro.apple
Subject: Sider disc drive
Message-ID: <2618@columbia.UUCP>
Date: Wed, 18-Jun-86 11:29:26 EDT
Article-I.D.: columbia.2618
Posted: Wed Jun 18 11:29:26 1986
Date-Received: Fri, 20-Jun-86 04:12:35 EDT
Sender: nobody@columbia.UUCP

Reply-To: polish@lexington.columbia.edu (Nathaniel Polish)
Distribution: net
Organization: Columbia University CS
Lines: 6
Keywords: Sider disc drive
Xref: watmath net.micro:14856 net.micro.apple:2830
Summary: request for experiences

Has anyone out there had experience with the "Sider" disc by First Class
Peripherals for the Apple // family? I am interested in reliability and
experience with the company.

Thanks
Nat Polish@cs.columbia.edu

From -7295008344119495207
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e23438d0496c5ee2
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e23438d0496c5ee2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-18 19:16:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!ll-xn!mit-amt!mit-
eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Sider disc drive
Message-ID: <2321@mit-eddie.MIT.EDU>
Date: Wed, 18-Jun-86 22:16:40 EDT
Article-I.D.: mit-eddi.2321
Posted: Wed Jun 18 22:16:40 1986
Date-Received: Sat, 21-Jun-86 09:47:30 EDT
References: <2618@columbia.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 44
Keywords: Sider disc drive
Xref: watmath net.micro:14867 net.micro.apple:2832

>Has anyone out there had experience with the Sider disc drive...?

   I've owned a Sider for nearly a year now. Never any problems with it,
except for the time when the controller card got smoked (my own fault).
When I sent the card back, I was told the unit would get "first priority"
and their claim was that any unit averaged 48 hours in-house repair time,
but my unit seemingly received no such treatment. But you'll get that with
many places. I'm not too upset about that.

My sider is one of their older ones -- the newer Siders have revised power supplies which don't burn out under prolonged usage as the older ones did (mine has yet to do this fortunately). The older ones also had some kind of metal strip which vibrated and made loud noises after prolonged usage. I haven't noticed this on mine. Both of these problems are fixed in the newer drives though.

I am pleased with its performance under CP/M, DOS 3.3, and especially ProDOS. SUPERFAST under ProDOS. I don't use Apple Pascal, so I can't comment on that.

Perhaps the largest flame I have about First Class Peripherals is that they want $60 for upgraded installation software! That's ridiculous! The CP/M block size under the Sider is 8K, which results in much lost space when using the CP/M operating system. The new installation software lets you have as low as a 2K block size, which is darned good for a hard drive. But there's NO WAY they're getting $60 out of me for that, I mean, I *AM* a customer already aren't I? Flame....

Any specific uestions about the Sider, feel free to ask.

>>> TO ANY PRODOS USERS
I am so impressed with the Sider's speed under ProDOS that I want to start using this operating system much more. I have hardly any software for it though. Can anyone point me in the direction of some public domain or unsupported commercial software (or provide me with your catalogue)? I have a II+, not a //e, so must be able to run on the II+.

-drew
arpa: MOORE%MIT-EECS@MIT-MC.ARPA
uucp: ...mit-eddie!moore
us: Box 121, North Quincy, MA 02171

From 8330596202907086831
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ee0381c34d47f09,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-19 13:05:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!think!harvard!husc6!
panda!awr
From: awr@panda.UUCP (Andrew W. Rogers)
Newsgroups: net.micro.apple
Subject: Graphics screen dumper request
Message-ID: <1972@panda.UUCP>
Date: Thu, 19-Jun-86 16:05:23 EDT
Article-I.D.: panda.1972
Posted: Thu Jun 19 16:05:23 1986
Date-Received: Sat, 21-Jun-86 12:49:03 EDT
Reply-To: awr@panda.UUCP (Andrew W. Rogers)
Distribution: net

Organization: GenRad, Inc., Concord, Mass.
Lines: 20

Some friends of mine are running Apple Pascal 1.2 on a IIe. They have written a lot of graphics stuff, and would like some way of dumping the contents of the graphics screen to their Imagewriter printer.

I told them I'd write a screen dumper if I had to... but somebody out there *has* to have beaten me to it. Therefore, I'd like to know if anyone on the net has written or can direct me to a public-domain graphics screen dumper for the Pascal/Applewriter combination. I don't mind entering it from a hard copy if necessary.

Many thanks for any help you can give me.

Andrew W. Rogers
GenRad EMT
300 Baker Ave., MS 1
Concord, MA 01742

PS: I already have an 80-column *text* dumper based on one in a magazine article (I forget where) a few months ago... let me know if you'd like that.

From 180126099353457687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e23438d0496c5ee2
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,e23438d0496c5ee2
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-20 12:49:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!topaz!uwvax!uwmacc!uwmcsd1!uwmeecs!jerry
From: jerry@uwmeecs.UUCP (Jerry Lieberthal)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Sider disc drive
Message-ID: <381@uwmeecs.UUCP>
Date: Fri, 20-Jun-86 15:49:08 EDT
Article-I.D.: uwmeecs.381
Posted: Fri Jun 20 15:49:08 1986
Date-Received: Sun, 22-Jun-86 03:24:54 EDT
References: <2618@columbia.UUCP>
Distribution: net
Organization: U of Wi-Milwaukee, Dept of EE and CS
Lines: 29
Xref: watmath net.micro:14882 net.micro.apple:2834

> Has anyone out there had experience with the "Sider" disc by First Class
> Peripherals for the Apple // family? I am interested in reliability and
> experience with the company.
>

> Thanks
> Nat Polish@cs.columbia.edu

I have a Sider drive for my //e, which I have been using for about 2 months now. My experiences with the Sider have been excellent (I also run Diversi Dos on it). Unfortunately, I cannot make the same claim when dealing with the company.

First Class Peripherals sells the Sider drive by direct marketing; as such, they really have no organization for support, etc. The manual is poorly written in terms of attempting to configure the Sider (I have been a Systems Programmer for 15 years, so being a novice wasn't the problem). In addition, the method of configuration for the Sider is not only clumsy, but wasteful in application.

In terms of support, don't expect to ever get an answer by calling their technical support 800 number. I tried for a week and a half. The line is ALWAYS busy, and they rarely call back if you leave a message. This was also the experience of several other Sider owners that I have spoken to.

In sum, though, it is a reliable piece of equipment. I have the 20 meg version, and am fairly satisfied with it.

- jerry
  ihnp4!uwmcsd1!jerry

From 8718732625723993718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,570a3f75e038f69f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-20 14:35:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!cbmvax!vu-vlsi!excalibur!188622462
From: 188622462@excalibur.UUCP (Greene T Richard)
Newsgroups: net.micro.apple
Subject: "dcom trouble, request for answer from jim hayes"
Message-ID: <45@excalibur.UUCP>
Date: Fri, 20-Jun-86 17:35:43 EDT
Article-I.D.: excalibu.45
Posted: Fri Jun 20 17:35:43 1986
Date-Received: Mon, 23-Jun-86 03:30:33 EDT
Distribution: net
Lines: 57

(**)
(* Inter-Personal Substitute Mailing System (IP SuMS) *)
(**)

This is a letter to Jim Hayes (...!wizard!hayes), who I have been unable to reach through the net mail. It seems something is wrong with machine sdcsvax at the moment.

Jim-

I recently managed to download your DCOM 3.21 (I think that's the version) from the net. The program seems to be running properly, I have gotten the cofiguration done without any problem. The equipement I am running with is an Apple //e (rev A), Super Serial Card, Apple //e Extended 80 col card, and a Radio Shack 300 baud modem. I have to do the dialing, then flip the "Orig" switch on the modem to connect. On booting DCOM, the program takes itself through the loading section (after I hit the return key), then clears the screen into 80-col mode. Then I get either of two happenings:

1) There is an error message quickly flashed on the top line just before the screen is cleared. On using a ctrl-S at the right spot, I saw the message was:
   Serial Init Error
   The screen would then go blank, and no key except ctrl-RESET would get any response, including the open-apple combinations.

2) The screen clears, then the program crashes me into binary, giving me this memory dump:
   5955- A=35 X=35 Y=F0 P=34 S=F1
   I think that the Serial Init Error may also appear before this, but I have been unsuccessful in catching it, if it exists.

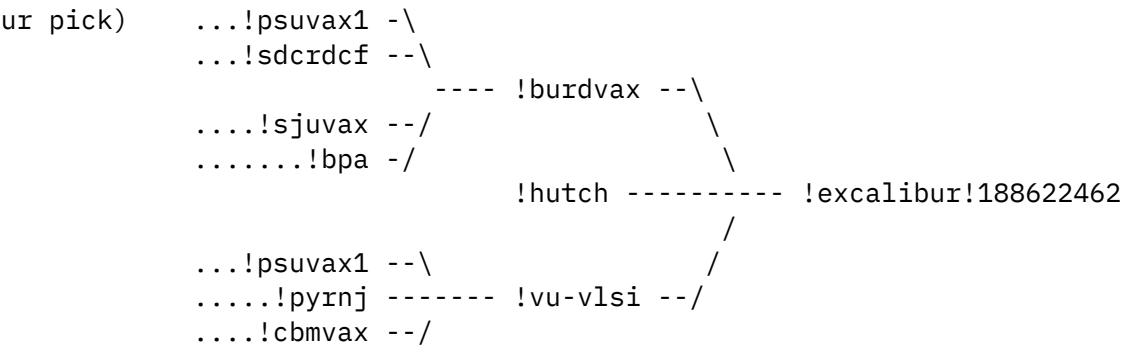
One more piece of hardware info, I do have some problems with my slots and card connecting properly. With my other program (ASCII Express), I have had to re-boot several times, each time wiggling the card in its slot to get a successful connect.

Please, let me know as soon as possible if there is any way of fixing this. I also have the PATCH.EXEC that was posted, but I don't believe I have used it as of yet. I would prefer to try to fix this through mail messages or whatever, I can't really afford to send to you for the disk at the moment.

Thanks in advance (and sorry for the trouble),

--

Rick Greene
(take your pick)



From 9017003130161923043
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 13544e,cd87e920877ed437,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 129c11,cd87e920877ed437,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 169ae0,cd87e920877ed437,start
X-Google-Attributes: gid169ae0,public
X-Google-Thread: 12da6b,cd87e920877ed437,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,cd87e920877ed437,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-20 15:30:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!caip!princeton!allegra!mit-eddie!genrad!
decvax!decwrl!amdcad!amd!pesnta!hplabs!tektronix!uw-beaver!uw-june!entropy!dataio!
butler!chinn
From: chinn@butler.UUCP
Newsgroups: net.lang.c,net.unix,net.unix-wizards,net.micro,net.micro.apple
Subject: VAX and Apple Laserwriter
Message-ID: <213@butler.UUCP>
Date: Fri, 20-Jun-86 18:30:27 EDT
Article-I.D.: butler.213
Posted: Fri Jun 20 18:30:27 1986
Date-Received: Tue, 24-Jun-86 04:38:53 EDT
Organization: Butler - Controls Div., Kirkland WA
Lines: 13
Xref: linus net.lang.c:8755 net.unix:7667 net.unix-wizards:15514 net.micro:13514
net.micro.apple:2552

We have an apple laser writer hanging off our IBM pc's
and I was wondering what was involved in driving
one of these things from our VAX. It is a 750 running
ULTRIX 32.

Any information would be much appreciated, and if there
is any interest I will summarize to the net.

Thanks in Advance

... uw-beaver
!tikal!dataio
!butler!chinn

david m chinn
box 639
redmond, wash 98073

From 4081844228917519134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-20 18:52:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!topaz!ll-xn!mit-amt!mit-eddie!genrad!
decvax!decwrl!fitzpatrick@vaxine.dec.com
From: fitzpatrick@vaxine.dec.com
Newsgroups: net.micro.apple

Subject: Re: ProDOS bug??
Message-ID: <3749@decwrl.DEC.COM>
Date: Fri, 20-Jun-86 21:52:14 EDT
Article-I.D.: decwrl.3749
Posted: Fri Jun 20 21:52:14 1986
Date-Received: Sun, 22-Jun-86 12:42:36 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 29

>I have had a problem when running in ProDOS for quite awhile...

>I run a BBS...

>Every now and then, when the program would CHAIN to another section, the
>disk drive would just lock up!

>If it makes any difference, I am running on an enhanced //e, 128k 80col card,
>two floppies, and a Sider 10meg drive (it's for sale by the way).

>   Tom Arnold -- Purdue University

One possiblility is that it's not ProDOS, but heat buildup. You must have a serial card or modem card in there as well. That's four cards. Do you also have a clock? Is the machine is up 24hrs. a day? At any rate, I have seen an Apple lock up and do all sorts of weird things because of too much heat. You should try putting a System Saver type fan on the beast and see if that helps. One that blows outward from the machine (like the Kensington) is better than one that blows into it because you draw cool air in through every opening in the case rather than just from the vent where the fan is located.

I have no connection ith Kensington, just a satisfied System Saver owner.

    Dave FitzPatrick

(UUCP)   {decvax, ucbvax, allegra}!decwrl!vaxine.dec.com!fitzpatrick
(ARPA)   fitzpatrick%vaxine.DEC@decwrl.ARPA

From 4688247392911306935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c599f2f09fd5e96b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-21 13:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!okstate.UUCP!labsms.UUCP!lmm
From: lmm@labsms.UUCP
Newsgroups: net.micro.apple
Subject: Oklahoma City Applefest
Message-ID: <20100001@labsms.UUCP>
Date: Sat, 21-Jun-86 16:15:00 EDT

Article-I.D.: labsms.20100001
Posted: Sat Jun 21 16:15:00 1986
Date-Received: Wed, 25-Jun-86 04:14:30 EDT
Lines: 73
Nf-ID: #N:labsms.UUCP:20100001:000:3495
Nf-From: labsms.UUCP!lmm   Jun 21 15:15:00 1986

Subject ->APPLEFEST PRESS RELEASE!
From ->CARL DE CORDOVA (OAUG president)

Oklahoma City Apple User's Group NEWS RELEASE

FOR IMMEDIATE RELEASE   June 1, 1986

For more information, contact: Carl de Cordova (405) 682-8541

The Oklahoma City Apple User's Group (Oaug) will host "AppleFest '86," Saturday, June 28, from 9am to 6pm at The Omniplex, 2100 NE 52 in Oklahoma City.

AppleFest began as a User conference. The initial Idea was for all of the users in Oaug to get together in the Omniplex and show the world what we can do with Apples. When Apple Inc. got word of this show they encouraged us to invite software publishers, hardware developers and all of the user groups in our area. The AppleFest Idea has quickly grown into a major regional Apple computer show.

AppleFest '86 is an open house where active users, publishers and manufacturers alike will display Apple computers, software and peripherals to the public. Included in the displays will be hands on demonstrations designed to involve the public. There will also be films and lectures for all levels of computer users.

  The Omniplex is allowing the Oklahoma City Apple User's Group to use its main Exhibit hall, class rooms and theatres from 9 a.m. to 6 p.m. Saturday, June 28. At 7 p.m. the club will have a Banquet at the Sheraton Century Center with Chris Espinosa, representative of Apple Computer Corporation as guest speaker.

      Chris Espinosa is from the Apple corperate offices in Cupertino California. He is Apple Employee #8, is 24 years old and has worked at apple for 10 years. He lived down the street from Steve Jobs in Cupertino Calf. and began working in Steve Jobs fathers Garage soldering chips on the origional Apple 1 mother board. His offfical title is Operating systems Mangaer. He is directly responsible for Macintosh Finder and System,   Apple][Disk operating systems (Dos 3.3 and ProDos) and atteant programs. He was an origional member of the Apple Macintosh Development team and edited the manuals for the Apple //e and

the Macintosh.

AppleFest is open to all Apple owners, dealers and third party software and hardware developers. There is no charge for booth space. Tables, chairs and power outlets will be provided for all exhibitors. More than 150 Apple users and ebibitors are expected to display their computers and more than 2500 potential Apple'ers will attend. Anyone interested in becoming part of a seminar or sponsoring seminar should contact Carl de Cordova at (405) 682-8541 before June 23rd.

The Omniplex Science and Technology Museum was founded in 1958 and is internationally known as an innovative science and technology training center. The Omniplex has more than 50,000 square feet of exhibition space with over 200 arts and science exhibits. The Omniplex is located in the Kirkpatrick Center at 2100 NE 52nd Oklahoma City (About 50th and Eastern, adjacent to the Oklahoma City Zoo).

The Oklahoma City Apple User's Group was founded in 1977 and is one of the oldest Apple clubs in the nation. The club has a very active and enthusiastic membership and is currently growing at the rate of 30 new members per month. The club membership represents a broad cross-section of Apple Users from high school students to retired university professors, beginning Apple users to experienced Apple pioneers. For more information about the Oklahoma City Apple User's Group, cantact me at (405) 682-8541.

Carl de Cordova

From 8217403703263215615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-21 21:38:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!lll-crg!seismo!vrdxhq!verdix!ogcvax!omssw2!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Fans. Cooling ones, that is :-)
Message-ID: <3701@reed.UUCP>
Date: Sun, 22-Jun-86 00:38:25 EDT
Article-I.D.: reed.3701
Posted: Sun Jun 22 00:38:25 1986
Date-Received: Wed, 25-Jun-86 05:53:33 EDT
References: <3749@decwrl.DEC.COM>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 44

In article <3749@decwrl.DEC.COM> fitzpatrick@vaxine.dec.com writes:
>serial card or modem card in there as well. That's four cards. Do you also
>have a clock? Is the machine is up 24hrs. a day? At any rate, I have seen an

>Apple lock up and do all sorts of weird things because of too much heat. You
>should try putting a System Saver type fan on the beast and see if that helps.
>One that blows outward from the machine (like the Kensington) is better than
>one that blows into it because you draw cool air in through every opening in
>the case rather than just from the vent where the fan is located.
>
>I have no connection ith Kensington, just a satisfied System Saver owner.
>
>   Dave FitzPatrick
>
>(UUCP)   {decvax, ucbvax, allegra}!decwrl!vaxine.dec.com!fitzpatrick
>(ARPA)   fitzpatrick%vaxine.DEC@decwrl.ARPA

I think a small note here would be appropriate. Anyone using an Apple][,
][+, or //e with four or more cards in it and no fan is crazy. It's
asking for trouble. I had one friend who always said that fans were
silly. He, however, never had the top on his :-). Anyway, they're very
quite (if you get a good one.) and can be vary handy. besides, they
keep me company at 4 am when the cat and my girlfriend have gone to bed.
The real problem about heat buildup is that you never know when it's
gonna strike, what's gonna happen, or if it will ever happen again,
though it usually does. If you use your apple for more than an hour at
a time, or have more than three cards, including 80-column card, buy a
fan. It'll make you happy.

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath
ARPA reed!kamath@hplabs

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

P.S. No, I don't own stock in Kensington, or anything else. I just
like Apple's, and have nightmares of overheating machines blowing up in
my face! :-)

From -6960573938115564534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e23438d0496c5ee2
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e23438d0496c5ee2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-22 01:38:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!ron1!polyof!polyob!julerio1
From: julerio1@polyob.UUCP (A1 jose ulerio1)

Newsgroups: net.micro,net.micro.apple
Subject: Re: Re: Sider disc drive
Message-ID: <175@polyob.UUCP>
Date: Sun, 22-Jun-86 04:38:30 EDT
Article-I.D.: polyob.175
Posted: Sun Jun 22 04:38:30 1986
Date-Received: Fri, 27-Jun-86 04:13:55 EDT
References: <2618@columbia.UUCP> <2321@mit-eddie.MIT.EDU>
Distribution: net
Organization: Polytechnic Inst. of NY, Brooklyn NY
Lines: 76
Xref: linus net.micro:13536 net.micro.apple:2561

> My sider is one of their older ones -- the newer Siders have revised
> power supplies which don't burn out under prolonged usage as the older
> ones did (mine has yet to do this fortunately). The older ones also had
> some kind of metal strip which vibrated and made loud noises after prolonged
> usage. I haven't noticed this on mine. Both of these problems are fixed
> in the newer drives though.
>

I can vouchsafe for the sound and power improvements. My Sider
hard drive seemed to be one of the supply-defective ones, so I sent it
back and upgraded to the new version. The newer version has a built-in
safety feature that does not allow the Sider motor to startup until the
Apple's power is started. It also is indeed much quieter than the previous
version, but it does still make a barely perceptible hum, ok if you use
it at a site and not at home. Ours has been used continously for the past
3 months non-stop to operate an Apple-based BBS, so the power problem
is no more.

> I am pleased with its performance under CP/M, DOS 3.3, and especially
> ProDOS. SUPERFAST under ProDOS. I don't use Apple Pascal, so I can't
> comment on that.
>
> Perhaps the largest flame I have about First Class Peripherals is that
> they want $60 for upgraded installation software! That's ridiculous!
> The CP/M block size under the Sider is 8K, which results in much lost space
> when using the CP/M operating system. The new installation software
> lets you have as low as a 2K block size, which is darned good for a hard
> drive. [...]

I just wish First Class had made a provision to let you format
the drive ANY way you wished. Ergo, only formatting for DOS and PRODOS.
I don't use CP/M that often, and hardly ever Apple Pascal.
Wouldn't it make sense to be able to format only for the OS'es you used
instead of having those nagging 100K or so worth of unusable space
lying around doing nothing?

>
> >>> TO ANY PRODOS USERS
> I am so impressed with the Sider's speed under ProDOS that I want to
> start using this operating system much more. I have hardly any

> software for it though. Can anyone point me in the direction of some
> public domain or unsupported commercial software (or provide me with
> your catalogue)? I have a II+, not a //e, so must be able to run
> on the II+.
>
> -drew
> arpa: MOORE%MIT-EECS@MIT-MC.ARPA
> uucp: ...mit-eddie!moore
> us: Box 121, North Quincy, MA 02171

Some good programs to get include Pro-Byter from Beagle Bros, Merlin Pro (if you want to start futzing around with MLI calls), and a semi-public domain hard drive selector called ProSel, from Glen Bredon. Pro-Byter has many good Prodos-based utilities you can use to learn more about Prodos including a disk editor that can edit raw sectors on hard drives, and other goodies. Their obligatory tip book which comes in this package is not only a scream (or moan, if you prefer) at times but has lots of tips & tricks about Prodos. Sorry I don't have any prices on hand, but a quick look in any good Apple // mag would set you on the right path.

On another note, I vaguely recall someone mentioning how he was able to do enough futzing with interrupts on the Apple Cat II Modem so that he was capable of doing terminal emulation and debugging a 6502 program at the same time. Forgive me for not remembering your name if you're reading this, but whomever you are, could you post or email to me a short explanation of how you did it if you could spare the time? I recently bought an Apple Cat Modem with a 212 option, but the Advanced Programmer's manual doesn't seem to help me much with interrupt handling.. Multitudinous thanks in advance..

Jose M. Ulerio
Department of Transportation Planning and Engineering
Polytechnic University, Bklyn, NY

... philabs!ron1!polyof!polyob!julerio1

From 6336906056647916675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9da2b2f38303d6f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-23 06:56:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!lll-crg!nike!ucbcad!
ucbvax!decwrl!binder@lando.dec.com
From: binder@lando.dec.com (Fabrum esse suae quemque fortunae)
Newsgroups: net.micro.apple
Subject: Help with AE 80-column card?
Message-ID: <3769@decwrl.DEC.COM>
Date: Mon, 23-Jun-86 09:56:02 EDT
Article-I.D.: decwrl.3769
Posted: Mon Jun 23 09:56:02 1986

Date-Received: Wed, 25-Jun-86 05:39:53 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 19

I just bought an Applied Engineering Viewmaster-80 card for my][+ and I'm having trouble using it with CP/M.

My machine is homebuilt, not an official Apple, and it has a full keyboard. The AE card traps out ^A to switch its case lock, and it traps out ^K to generate a left bracket. I want to disable the ^A and ^K trapping, so that I can use the Turbo Pascal editor with its default key bindings. WordStar does the disable just fine, but I believe that's because WordStar has its own keyboard driver to allow typeahead. There's no documentation in the AE manual telling how the traps can be disabled, if indeed they can be without writing a keyboard driver. Because the card is Videx compatible, I'm wondering if there's info in the Videx manuals that describes what I need. Can anyone out there help me?

Thanks,
Dick Binder (The Stainless Steel Rat)

UUCP: {decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From 8213761594202666623
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-23 09:00:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!pucc-j!air
From: air@pucc-j (Tom Arnold)
Newsgroups: net.micro.apple
Subject: Re: ProDOS bug??
Message-ID: <1402@pucc-j>
Date: Mon, 23-Jun-86 12:00:08 EDT
Article-I.D.: pucc-j.1402
Posted: Mon Jun 23 12:00:08 1986
Date-Received: Wed, 25-Jun-86 04:37:14 EDT
Reply-To: air@pucc-j.UUCP (Tom Arnold)
Organization: Purdue University Computing Center
Lines: 77
Keywords: help! bug prodos sider bbs
In-Reply-To: <3749@decwrl.DEC.COM>

In article <3749@decwrl.DEC.COM> you write:
>>I have had a problem when running in ProDOS for quite awhile...
>
>>I run a BBS...

>
>>Every now and then, when the program would CHAIN to another section, the
>>disk drive would just lock up!
>
>>If it makes any difference, I am running on an enhanced //e, 128k 80col card,
>>two floppies, and a Sider 10meg drive (it's for sale by the way).
>
>>   Tom Arnold -- Purdue University

>One possiblility is that it's not ProDOS, but heat buildup. You must have a
>serial card or modem card in there as well. That's four cards. Do you also
>have a clock? Is the machine is up 24hrs. a day? At any rate, I have seen an
>Apple lock up and do all sorts of weird things because of too much heat. You
>should try putting a System Saver type fan on the beast and see if that helps.
>One that blows outward from the machine (like the Kensington) is better than
>one that blows into it because you draw cool air in through every opening in
>the case rather than just from the vent where the fan is located.
>
>   Dave FitzPatrick

I guess I should have been more explicit on the description of my system:

         Enhanced Apple //e:

    slot1:   Parallel Printer Card ---> Gemini 10x printer
    slot2:   Apple Super Serial Card ---> Prometheus Promodem (300/1200)
    slot3:   Extended 80 column card
    slot4:   Timemaster][clock card
    slot5:   Sider Controller Card ---> Sider 10 meg hard disk
    slot6:   Floppy controller ---> Two Apple 5 1/4" floppy drives
    slot7: ***** EMPTY *****

                "--->" = "...connect to a..."

... and yes, I too have a Kensington SystemSaver on my Apple. A good fan
and worth the money. If anyone else can think of why it locks up, please
reply!

            ****
            In response to the "Sider disc" message:
            ****

    I only had problems with my first two drives. The first one burnt out
in 5 days, and the second one in a month. I am currently on my third one and
have been running it 24 hours a day non stop for a year without any problems.
I am currently try to raise money to purchase a 20meg drive, so this one is for
sale if you are interested ($600 negotiable).

  Sysop of the Boiler Room BBS:

     29 message bases
     Macintosh up/downloads
     Apple][up/downloads
     CP/M up/downloads
     On-line games
     300/1200 Baud
     24 hours/7 days

Fully validated guest password:

     User number: 96
        Password: GBBS

        Tom Arnold

   voice -- 317-743-3179
   modem -- 317-743-6762

From 4634191198599164334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15c7fc,2d4ba3fc62a52778,start
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 14b8a3,2d4ba3fc62a52778,start
X-Google-Attributes: gid14b8a3,public
X-Google-Thread: 119e22,2d4ba3fc62a52778,start
X-Google-Attributes: gid119e22,public
X-Google-Thread: 1622d3,2d4ba3fc62a52778,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1197bb,2d4ba3fc62a52778,start
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15f443,2d4ba3fc62a52778,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1520b8,2d4ba3fc62a52778,start
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 15517a,2d4ba3fc62a52778,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-06-23 12:50:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!ittatc!
dcdwest!sdcsvax!ucbvax!jade!ucbiris!michael
From: michael@ucbiris.berkeley.edu (Tom Slone [(415)486-5954])
Newsgroups:
net.nlang,net.travel,net.micro.pc,net.micro.apple,net.database,net.wanted,net.poli
tics,net.jobs
Subject: Update #2 on technical travel to Nicaragua
Message-ID: <903@jade.BERKELEY.EDU>
Date: Mon, 23-Jun-86 15:50:23 EDT
Article-I.D.: jade.903
Posted: Mon Jun 23 15:50:23 1986
Date-Received: Wed, 25-Jun-86 07:33:10 EDT
Sender: usenet@jade.BERKELEY.EDU

Reply-To: michael@ucbiris.BERKELEY.EDU (Tom Slone [(415)486-5954])
Followup-To: net.politics,net.jobs.d
Organization: tecNICA
Lines: 44
Xref: watmath net.nlang:4680 net.travel:2712 net.micro.pc:8833
net.micro.apple:2842 net.database:312 net.wanted:9031 net.politics:16932
net.jobs:2400

tecNICA is an organization which provides technical expertise to the country of Nicaragua. Typically, a volunteer will pay her/his own airfare to Nicaragua, work for two weeks at a host agency in Managua and be given room and board by the agency at a residential inn (or hospedaje). Tours of the countryside are arranged for weekends and talks with officials and opposition leaders are often arranged for evenings. Computer specialists, mechanics, economists, agronomomists, telephone experts and other technicians have all made valuable contributions to the Nicaraguan government under the auspices of tecNICA. Current priority needs are:

1) Individuals with experience in export work, including market analysts, economists, product design, project analysis and export offers.
2) Language teachers, including both Spanish and English. Must be qualified in language instruction.
3) Volunteer needed in El Salvador: someone who can train people in the use of IBM PCs for database and inventory applications. If interested, contact the National Office immediately.
4) Desalinization engineer with experience in design, erection, operation or maintenance of desalinization plants (multi-stage flash type).
5) Instructors for 123, Apple II, IBM 370, IBM 34/36, Symphony, dBase II, and advanced BASIC.
6) Computer repair experts to provide training and repair services.

If you have other technical skills, chances are, you could make a valuable contribution to Nicaraguan society. I worked as a computer programmer (for the Ministry of Health and for the telecommunications center) in Managua in the Spring of 1985 and not only found that I was greatly appreciated, but found the trip to be a great cross-cultural experience, kind of like a mini-Peace Corps.

If you have questions, you may address them to me or you may contact tecNICA itself by calling:

Berkeley -- (415)848-0292, 2727 College Ave., Berkeley, CA 94705
New York -- (212)427-0634
Boston -- (617)782-0510
Seattle -- (206)321-1367
Chicago -- (312)524-0198
Los Angeles (213)394-1183

tecNICA is in the process for applying for tax-free status, until then tax free contributions may be made out to: "tecNICA/Capp Street Foundation."
michael@ucbiris.berkeley.edu michael%ucbiris@berkeley.arpa
{arizona|decwrl|decvax|hplabs|ihnp4|sun}!ucbvax!ucbiris!michael

From 8753114549417867758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,197f50b3d400e0a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-24 06:32:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!bellcore!ulysses!allegra!princeton!caip!sri-spam!parcvax!
rocksvax!xrx3b!cgm
From: cgm@xrx3b.UUCP (Chris Midgley)
Newsgroups: net.micro.apple
Subject: Kermit
Message-ID: <20@xrx3b.UUCP>
Date: Tue, 24-Jun-86 09:32:57 EDT
Article-I.D.: xrx3b.20
Posted: Tue Jun 24 09:32:57 1986
Date-Received: Wed, 25-Jun-86 17:24:02 EDT
Distribution: na
Organization: Xerox - Advanced Products., Webster NY.
Lines: 10
Keywords: need kermit

Is there a good version of public domain kermit available
for the apple IIc.

Please reply directly by mail.
thanks
Chris Midgley

rochester!rocksvax!xrx3b!cgm

<usual disclaimers and this is for my home unit>

From -5945597960187540428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fee1a6c8e68bf2ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-24 08:19:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!lll-crg!nike!ucbcad!
ucbvax!decwrl!binder@lando.dec.com
From: binder@lando.dec.com (Fabrum esse suae quemque fortunae)
Newsgroups: net.micro.apple
Subject: Looking for a PD Z80 assembler for Apple CP/M
Message-ID: <3805@decwrl.DEC.COM>
Date: Tue, 24-Jun-86 11:19:31 EDT
Article-I.D.: decwrl.3805
Posted: Tue Jun 24 11:19:31 1986
Date-Received: Thu, 26-Jun-86 04:04:23 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 17

I'd like to find a public domain Z80 assembler to use with Apple CP/M 2.23 on a MicroSoft SoftCard. It'd be nice if it were a macro-assembler, even better if it accepts a macro library, but I can live without macros. Relocatable code generation is not important.

I can't FTP from either the ARPAnet or the usenet; the best form for me would be a softcopy source listing, which I can Kermit to my Apple and then assemble.

If you're on net.micro.cpm, please respond directly to me, as I don't subscribe to that newsgroup.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From 7846082504099942578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-24 10:01:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu.UUCP
Newsgroups: net.micro.apple
Subject: Re: ProDOS bug??
Message-ID: <1010@ius2.cs.cmu.edu>
Date: Tue, 24-Jun-86 13:01:35 EDT
Article-I.D.: ius2.1010
Posted: Tue Jun 24 13:01:35 1986
Date-Received: Sat, 28-Jun-86 07:34:38 EDT
References: <3749@decwrl.DEC.COM>
Organization: Carnegie-Mellon University, CS/RI
Lines: 23
Summary: use ProDOS 1.1.1 instead

In article <3749@decwrl.DEC.COM> fitzpatrick@vaxine.dec.com writes:
>>I have had a problem when running in ProDOS for quite awhile...
>
>
>>Every now and then, when the program would CHAIN to another section, the
>>disk drive would just lock up!
>

>
>One possiblility is that it's not ProDOS, but heat buildup.

It's a possibility, but it's more likely ProDOS in this case.

Apple has effectively 'recalled' 1.0.1 becasue of bugs, you should
be able to get a new version (1.1.1) at your dealer. Mkae sure to
get the latest BASIC.SYSTEM, too.

--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu [most reliable] Phone: (412) 268-2847 [CMU-BUGS]
Amateur Radio: KA3PLY (c/o W3VC, CMU Radio Club) [packet mailbox coming soon!]
Fido: Ralph Hyre at Pitt-Net [may change soon, when I put up a BBS of my own!]

From 2409224742396867270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-25 19:54:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!think!nike!ucbcad!
ucbvax!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: ProDOS bug??
Message-ID: <3740@reed.UUCP>
Date: Wed, 25-Jun-86 22:54:12 EDT
Article-I.D.: reed.3740
Posted: Wed Jun 25 22:54:12 1986
Date-Received: Sat, 28-Jun-86 08:40:58 EDT
References: <1402@pucc-j>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 23
Keywords: help! bug prodos sider bbs

Here is a "real" bug, but it's really not ProLOSS's fault.

If you have a duodisk (it may also happen on any drive) and for some
reason track 0 crashes, it very well could be your power supply is not
strong enough to power everything in you //e. I say //e because this is
not the case with][and][+'s. Or even //e's that were unenhanced. If
anyone needs to know the dates of the bad power supplies (there is also
a bad series of power supplies for //c. Seems that it will fry your
whole //c after you turn it off!) I will post about it. Maybe I'll post
anyway...I like the attention....:-) (Actually, rarely do I get much
feedback on things I post...)

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

From 7042670284049852681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 06:54:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: ProDOS bug??
Message-ID: <1740@ecsvax.UUCP>
Date: Thu, 26-Jun-86 09:54:52 EDT
Article-I.D.: ecsvax.1740
Posted: Thu Jun 26 09:54:52 1986
Date-Received: Fri, 27-Jun-86 05:31:24 EDT
References: <3749@decwrl.DEC.COM>
Organization: UNC Educational Computing Service
Lines: 28

> >I have had a problem when running in ProDOS for quite awhile...
>
> >I run a BBS...
>
> >Every now and then, when the program would CHAIN to another section, the
> >disk drive would just lock up!
>
> >If it makes any difference, I am running on an enhanced //e, 128k 80col card,
> >two floppies, and a Sider 10meg drive (it's for sale by the way).
>
> >   Tom Arnold -- Purdue University
>
>
> One possiblility is that it's not ProDOS, but heat buildup. You must have a
> serial card or modem card in there as well. That's four cards. Do you also
> have a clock? Is the machine is up 24hrs. a day? At any rate, I have seen an
> Apple lock up and do all sorts of weird things because of too much heat. You
> should try putting a System Saver type fan on the beast and see if that helps.
> One that blows outward from the machine (like the Kensington) is better than
> one that blows into it because you draw cool air in through every opening in
> the case rather than just from the vent where the fan is located.
>
> I have no connection ith Kensington, just a satisfied System Saver owner.
>
>   Dave FitzPatrick
>
> (UUCP)   {decvax, ucbvax, allegra}!decwrl!vaxine.dec.com!fitzpatrick
> (ARPA)   fitzpatrick%vaxine.DEC@decwrl.ARPA

From -3000353672480282940
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 07:28:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Word Processors
Message-ID: <1745@ecsvax.UUCP>
Date: Thu, 26-Jun-86 10:28:40 EDT
Article-I.D.: ecsvax.1745
Posted: Thu Jun 26 10:28:40 1986
Date-Received: Fri, 27-Jun-86 05:31:39 EDT
References: <1005@spice.cs.cmu.edu> <911@soma.UUCP>
Organization: UNC Educational Computing Service
Lines: 30

> In article <1005@spice.cs.cmu.edu>, djz@spice.cs.cmu.edu (Daniel Zigmond)
writes:
> > I've gotten very frustrated with using AppleWritter II, especially when I
> > look at programs like Word Perfect for the IBM PC. Is there some better
> > word processor for the Apple //e? I know about AppleWorks, but as far as I
> > can tell, it doesn't come close to the power of the really good programs for
> > the PC. I'd really appreciate some recommendations.
>
> If you like MacWrite (for Macintosh), there's a program to emulate such
> called MULTISCRIBE. It features pull-down menu and can be used with or
> without a mouse. It has a font editor on the flip side of the disk, and it is
> able to convert files you have now (Applewriter). It uses the double hi-res
> screen and therefore requires 128K enhanced //e. It sells for only $59.95.
> The next one up in price in this class is Roger Wagner's, and it sells for
> around $150.00. MULTISCRIBE was written by a couple of friends of mine
> at Rice University in Houston (take my word for it, these guys are both
> superb students) , and I was among the guinea pigs testing it out. It's a
> quality program.
>
>
> --
> Hung Nguyen   uucp: {shell,rice,drillsys}!soma!hung
> Opinions are mine alone.   U.S.mail: Neurology, Baylor College of Medicine,
>   One Baylor Plaza, Houston, TX 77030
> "Those who think they know everything are annoying those of us who do."

i second the opinion on multiscribe. if you like word perfect it is
available for the apple too from ssi (satellite software).

rick fincher rick@ncsuvm

From -7050716713649873712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 07:34:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: Request info on structured lang's suitable for serious development
Message-ID: <1747@ecsvax.UUCP>
Date: Thu, 26-Jun-86 10:34:42 EDT
Article-I.D.: ecsvax.1747
Posted: Thu Jun 26 10:34:42 1986
Date-Received: Fri, 27-Jun-86 05:31:56 EDT
References: <1005@spice.cs.cmu.edu> <911@soma.UUCP> <585@iuvax.UUCP>
Organization: UNC Educational Computing Service
Lines: 25

>
> I work at a small software house (ca. 45 employees) developing educational
> software. Most of our stuff is in APPLESOFT (ugh!) and assembler, with
> an ampersand extension to BASIC (to do all kinds of neat stuff). We want
> to get away from applesoft, since its structure (or lack thereof) dons not
> lend itself to our working environment. We are looking for a structured
> language, like MODULA-2, a DOS based PASCAL (sorry.. no CP/M), C, or the
> like. The disadvantages to those which have been reviewed are their extremely
> slow compile time, ergo development time, and difficulty in adding our own
> machine code routines. Anybody out there who has used or knows of a
> structured language for the apple, please let me know i) where I can get it
> (eg who makes it), ii) how reliable is it? Is it suitable for SERIOUS
> development work? iii) how would you rate compile time, and whether you
> know if an accelerator card would speed compile time significantly, iv) How
> large a program will it support on a 64K][+ or //e, v) Will it link routines
> from a user-created library? vi) What are its graphics capability? vii)
> will it link User-written Assembly code? viii) how much does it cost?
>
> Any reply would be greatly appreciated. -
>   CDAFfy

try aztec 'c' from manx software, a prodos version is in beta test but
they will sell it to you. call them for info.

rick fincher rick@ncsuvm

From 8906525318667548191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4133c02c7d60d685
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 07:47:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!linus!philabs!mcnc!ecsvax!ranger
From: ranger@ecsvax.UUCP (Rick N. Fincher)
Newsgroups: net.micro.apple
Subject: Re: ProDOS bug??
Message-ID: <1749@ecsvax.UUCP>
Date: Thu, 26-Jun-86 10:47:12 EDT
Article-I.D.: ecsvax.1749
Posted: Thu Jun 26 10:47:12 1986
Date-Received: Fri, 27-Jun-86 05:32:15 EDT
References: <1402@pucc-j>
Organization: UNC Educational Computing Service
Lines: 82

>
> In article <3749@decwrl.DEC.COM> you write:
> >>I have had a problem when running in ProDOS for quite awhile...
> > >
> > >>I run a BBS...
> > >
> > >>Every now and then, when the program would CHAIN to another section, the
> > >>disk drive would just lock up!
> > >
> > >>If it makes any difference, I am running on an enhanced //e, 128k 80col card,
> > >>two floppies, and a Sider 10meg drive (it's for sale by the way).
> > >
> > >>   Tom Arnold -- Purdue University
> >
> > >One possiblility is that it's not ProDOS, but heat buildup. You must have a
> > >serial card or modem card in there as well. That's four cards. Do you also
> > >have a clock? Is the machine is up 24hrs. a day? At any rate, I have seen an
> > >Apple lock up and do all sorts of weird things because of too much heat. You
> > >should try putting a System Saver type fan on the beast and see if that helps.
> > >One that blows outward from the machine (like the Kensington) is better than
> > >one that blows into it because you draw cool air in through every opening in
> > >the case rather than just from the vent where the fan is located.
> > >
> > >   Dave FitzPatrick
> >
> >
> > I guess I should have been more explicit on the description of my system:
> >
> >   Enhanced Apple //e:
> >
> >   slot1:   Parallel Printer Card ---> Gemini 10x printer
> >   slot2:   Apple Super Serial Card ---> Prometheus Promodem (300/1200)
> >   slot3:   Extended 80 column card
> >   slot4:   Timemaster][clock card
> >   slot5:   Sider Controller Card ---> Sider 10 meg hard disk
> >   slot6:   Floppy controller ---> Two Apple 5 1/4" floppy drives
> >   slot7: ***** EMPTY *****
> >
> >   "--->" = "...connect to a..."
> >

> ... and yes, I too have a Kensington SystemSaver on my Apple. A good fan
> and worth the money. If anyone else can think of why it locks up, please
> reply!
>
>
>
>   **
>   *In response to the "Sider disc" message:*
>   **
>
>   I only had problems with my first two drives. The first one burnt out
> in 5 days, and the second one in a month. I am currently on my third one and
> have been running it 24 hours a day non stop for a year without any problems.
> I am currently try to raise money to purchase a 20meg drive, so this one is for
> sale if you are interested ($600 negotiable).
>
>
>   Sysop of the Boiler Room BBS:
>
>   29 message bases
>   Macintosh up/downloads
>   Apple][up/downloads
>   CP/M up/downloads
>   On-line games
>   300/1200 Baud
>   24 hours/7 days
>
> Fully validated guest password:
>
>   User number: 96
>   Password: GBBS
>
>   Tom Arnold
>
>   voice -- 317-743-3179
>   modem -- 317-743-6762

it could be an overloaded power supply try a more heavy duty model from
applied engineering or others.

rick fincher rick@ncsuvm

From 4083979955557339637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96fa67251c2b5e6f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 10:24:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!axiom!adelie!ll-xn!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (Langbein)
Newsgroups: net.micro.apple

Subject: Appletalk for the][e?
Message-ID: <5230@topaz.RUTGERS.EDU>
Date: Thu, 26-Jun-86 13:24:06 EDT
Article-I.D.: topaz.5230
Posted: Thu Jun 26 13:24:06 1986
Date-Received: Fri, 27-Jun-86 21:38:51 EDT
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 9

Can anyone tell me if Appletalk interfaces are available yet for the Apple][? I believe I heard something about it in an article I read (though now I can't find it). Please reply to...

Langbein@Blue.rutgers.edu
OR
topaz!langbein

Thanks for your help.

John Langbein

From -8558880728021289166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6592f11e6e0b04ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 10:30:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!invest!wheaton!johnh
From: johnh@wheaton (John Doc Hayward)
Newsgroups: net.micro.apple
Subject: Help needed with applewriter underline command
Message-ID: <165@wheaton>
Date: Thu, 26-Jun-86 13:30:47 EDT
Article-I.D.: wheaton.165
Posted: Thu Jun 26 13:30:47 1986
Date-Received: Sat, 28-Jun-86 04:01:24 EDT
Organization: Wheaton College, Wheaton IL
Lines: 31
Keywords: Help, Apple II, Applewriter

I am not an apple II owner but am trying to help a friend with his applewriter program. In the applewriter manual there is an indication of how to set up the "special" file for various printer related commands (underline, boldface, pitch changes). We have changed these for his printer and we can get these functions by a control g and the letter (_ for start underline - for stop...). There is also an underline token in the print menu which by default is "\". But when this is used applewriter does not send the sequence of characters which we have defined for underline. Instead it appears to send an underscore followed by an attempted backspace and then the character. Somewhere between the applewriter program and the print head the backspace is removed so the output apears to be underscore followed by letter. In addition there apears to be no command to start and stop boldface or print pitch changes.

My questions are as follows:
1) Is there any way to get the underline token to send a sequence we define?
2) What is the most likely reason the backspace is being ignored or stripped?
Is this an artifact of applewriter?, the interface? or the printer itself?
3) Is there any way to specify boldface, pitch changes, super and subscripts in
a manner which is printer independent so that a change to the special file is
all that is needed to set up a document for another printer?

Please respond via e-mail. Thanks in advance!

--
-=-=-=

Now, if I take that same disk, put it in drive 1, and use the sector editor, the drive reads garbage. By garbage I mean totally unrelated bytes appear regardless of which track and sector I read, including tracks and sectors which were not written in a "funny" manner, i.e., normal DOS or ProDOS tracks. This doesn't just happen if I use the particular sequence of reading in drive 2 and then drive 1, mind you, but any time I read from drive 1. And the garbage I get, I might add, is consistent for a given track and sector.

The bizarre thing is that drive 1 works perfectly fine for ordinary purposes. It boots disks, reads and writes track, files, directories, etc, according to any other program's wishes. It makes copies to drive 2 (using the ProDOS utilities) just fine. It formats fine.

If I use the sector editor to make such copies, however, the data on the disk in drive 2 gets precisely the garbage read from drive 1. Furthermore, if I copy from 2 to 1, drive 1 writes garbage even though drive 2 reads correctly! A second reason I know drive 2 is working fine is that if I copy from drive 2 to drive 2 (a royal pain in a sector editor, since it does one track at a time) the copy is perfectly good. An interesting side effect is that copying from 2 to 1 leaves garbage on the disk in drive 1, but if I read that garbage using drive 1, it looks like the real thing! To the sector editor, that is, because if I then put that disk in drive 2 and use the sector editor to read it, it's garbage again. Likewise, it won't boot.

I have checked and played with the drive speed to no avail, so I put it back to 200ms. Since the drive works fine for ordinary applications I cannot imagine that it is misaligned. And if you check through the code on the Copy II+ disk, you find that the drives are treated identically, so it doesn't seem possible that there could be a bug. Besides, such a severe bug in a product which has already sold umpteen million copies is rare.

So what do you think? Can something else be wrong with the drive that only messes it up with respect to the code for the sector editor (which is, perhaps, very sensitive with respect to some factor(s))? Can something be wrong with the disk controller in slot 6 that would only affect one drive? I have not tried messing with the "parameters" in Copy II+ because the combinatorics are insane, and I have no idea why any of them should have to be changed to make one drive work when the other one works "as is."

I have not tried the nibble editor or bit copier, but even if they work that does not explain away this problem. One interesting side effect: the way I copied Apple Logo II without going crazy doing disk swaps in drive 2 was to do a "regular" copy from drive 1 to drive 2 using Copy II+, which ignores the error you get on track 1 (the "protected" track), then use drive 2 to sector copy track 1 with special parameters (supplied with Copy II+). But when I read from drive 1 to drive 2 and got the error on track 1, drive 1 proceeded to get an error on every track thereafter. When I reversed the direction, drive 2 got the read error on track 1 but then copied the rest of the disk successfully! Even then, because I was using Copy II+ instead of the vanilla ProDos copier, the data written by drive 1 was junk. Fortunately, doing a regular copy with just one drive only takes two swaps, so I used drive 2 alone.

A thousand kudos to anyone who understands the depths of disk drivery and/or
Copy II+ and knows what in heck is going on here.
--

Craig D. Singer, Dept. of Computer Science, Duke University
Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
CSNET: cds@duke   UUCP: ...!decvax!duke!cds
ARPA: cds%duke@csnet-relay

From 861680731392082523
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,570a3f75e038f69f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-26 14:36:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!ll-xn!mit-amt!mit-eddie!genrad!decvax!wanginst!
apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: "dcom trouble, request for answer from jim hayes"
Message-ID: <2e898860.8e4@apollo.uucp>
Date: Thu, 26-Jun-86 17:36:47 EDT
Article-I.D.: apollo.2e898860.8e4
Posted: Thu Jun 26 17:36:47 1986
Date-Received: Sat, 28-Jun-86 03:41:52 EDT
References: <45@excalibur.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Distribution: net
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 32

In article <45@excalibur.UUCP> 188622462@excalibur.UUCP writes:
> from the net. The program seems to be running properly, I have gotten the
> cofiguration done without any problem. The equipement I am running with
> is an Apple //e (rev A), Super Serial Card, Apple //e Extended 80 col card,

I'm running a rev B][e with either a CPS Multifunctin or a Apricorn Super
Serial board.

>
> 1) There is an error message quickly flashed on the top line just before
>   the screen is cleared. On using a ctrl-S at the right spot, I saw the
>   message was:
>   *Serial Init Error*
>   The screen would then go blank, and no key except ctrl-RESET would get any
>   response, including the open-apple combinations.

I got this message with both boards. With the CPS board I was able to patch
the Basic code to ignore the message and everything worked fine. With the
Super Serial board this did not work and the program would either crash

or (if patched) hang strangly (eg. everytime I type a key it would do one
more thing (like line by line clear the screen)).

Ascii Express works fine with both boards.

-kee

--
Mail is welcome... ...{yale,uw-beaver,decvax!wanginst}!apollo!nazgul
Apollo Computer, Chelmsford MA. (617) 256-6600 x7587

There's so many different worlds, so many different suns
And we have just one world, but we live in different ones.
Dire Straits - "Brothers in Arms"

From -6702693579621497182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cb9f84a5f49ca910,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,cb9f84a5f49ca910,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-06-27 00:05:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!sri-spam!nike!ucbcad!ucbvax!hplabs!felix!fritz!jim
From: jim@fritz.UUCP (Jim Gilbert)
Newsgroups: net.micro.apple,net.wanted
Subject: Z80 Softcard or clone for <$50 Wanted
Message-ID: <1235@fritz.UUCP>
Date: Fri, 27-Jun-86 03:05:07 EDT
Article-I.D.: fritz.1235
Posted: Fri Jun 27 03:05:07 1986
Date-Received: Sat, 28-Jun-86 06:40:10 EDT
Reply-To: jim@fritz.UUCP (Jim Gilbert)
Organization: FileNet Corp., Costa Mesa, CA
Lines: 24
Xref: watmath net.micro.apple:2854 net.wanted:9045

My purchased original Microsoft Softcard for my][+ has finally failed
solidly after a lengthy period of flakiness-when-hot symptoms.
The board has been rotten when hot since new; chip replacements have
not rectified the situation. Now it will not even boot dead cold.

If anyone can refer me to a place to purchase a replacement,
preferable a NEW Asian clone, for under $50.00 I would most
appreciate it.

I will consider purchasing someone's used board provided we can
work out a way for me run my diagnostics for a few hours to confirm that
it is solid under stress.

Thanks in advance.

Jim Gilbert
FileNet Corporation
3530 Hyland Ave
Costa Mesa, CA 92626

{trwrb,hplabs}!felix!jim

(714) 966-2344

From -8126668130231146922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-27 11:24:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!nike!ucbcad!ucbvax!decwrl!
barrisi@nymgr.dec.com
From: barrisi@nymgr.dec.com
Newsgroups: net.micro.apple
Subject: Apple //GS
Message-ID: <3894@decwrl.DEC.COM>
Date: Fri, 27-Jun-86 14:24:59 EDT
Article-I.D.: decwrl.3894
Posted: Fri Jun 27 14:24:59 1986
Date-Received: Sun, 29-Jun-86 04:55:35 EDT
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 5

Heard some rumors about the new 16 bit apple.. It seems (not Confirmed) that
there "Super HiRes" will be 640x200!!!!!!!! Come Apple u gotta be kidding!!
With the AVAILABLE Technology that STINKS... any Comments...

Joe Craparotta

From -5417249430028215954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,5db307877d40da40,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 120a1f,5db307877d40da40,start
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 1622d3,5db307877d40da40,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,5db307877d40da40,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-28 09:45:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!topaz!langbein
From: langbein@topaz.RUTGERS.EDU (Langbein)
Newsgroups: net.micro.apple,net.micro,net.wanted.sources,net.wanted
Subject: Wanted: 2 programs by MUSE + Who has rights?

Message-ID: <5240@topaz.RUTGERS.EDU>
Date: Sat, 28-Jun-86 12:45:17 EDT
Article-I.D.: topaz.5240
Posted: Sat Jun 28 12:45:17 1986
Date-Received: Sun, 29-Jun-86 07:16:19 EDT
Distribution: net
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 20
Keywords: Apple][,MUSE,software
Xref: watmath net.micro.apple:2860 net.micro:14944 net.wanted.sources:2476
net.wanted:9057

Two things. First, Who holds the rights to the closed down MUSE
Software
company. Secondly, I am looking for two of their programs. One is
FOEFORM Letter Module, and the other is
The Adress Book. A Dealer said it may be hard to get since muse no
longer
exists, (reason for question one) and owning SUPERText 40/56/70
it could come in handy. I am Also someiwhat interested in Supertext
40-80
if it works with a VIDEX type card on an Apple][+ with
64k.   John Langbein
p.s. my adresses are:
                              langbein@blue.rute
that is langbein@blue.rutgers.edu or topaz!langbein

John Langbein
45 Brinckerhoff Ave.
Freehold, N.J. 07728

From 1733472853290479065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3369c6a8bb826ed4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-28 11:14:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!lll-crg!lll-lcc!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Apple //GS
Message-ID: <279@ski.UUCP>
Date: Sat, 28-Jun-86 14:14:10 EDT
Article-I.D.: ski.279
Posted: Sat Jun 28 14:14:10 1986
Date-Received: Mon, 30-Jun-86 04:33:41 EDT
References: <3894@decwrl.DEC.COM>
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 33

> Heard some rumors about the new 16 bit apple.. It seems (not Confirmed) that
> there "Super HiRes" will be 640x200!!!!!!!! Come Apple u gotta be kidding!!
> With the AVAILABLE Technology that STINKS... any Comments...
>
> Joe Craparotta

If you read my posting from June 17, I copied the following column:

>In a computer column in the Sunday, June 15 San Francisco Chronicle:
>
>" According to James Moran of Compuserve's daily news service,
>Online Today, Apple is showing a version of forthcoming Apple //GS to
>dealers in Europe. Moran says the machine is being called the Vegas
>PC. It supposedly includes 512K of random-access memory expandable to
>8 megabytes, RS232 and parallel printer ports, disk and mouse
>controllers, and seven expansion slots. The color display features

>   768 x 512

resolution with 128 colors available at any one time from a
>palette of 4,096 colors."

I hope this was accurate information.
--
==========
David Robins, M.D.
Smith-Kettlewell Eye Research Foundation
(previously known as: Smith-Kettlewell Institute of Visual Sciences)
2232 Webster St; San Francisco CA 94115
415/561-1705 (voice)
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 4779138165534989932
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,570a3f75e038f69f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-28 21:29:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!caip!nike!ucbcad!ucbvax!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: Re: "dcom trouble, request for answer from jim hayes"
Message-ID: <2706@sdcc6.UUCP>
Date: Sun, 29-Jun-86 00:29:18 EDT
Article-I.D.: sdcc6.2706
Posted: Sun Jun 29 00:29:18 1986
Date-Received: Mon, 30-Jun-86 04:45:51 EDT
References: <45@excalibur.UUCP>
Reply-To: ix742@sdcc6.UUCP (James Hayes)
Distribution: net

Organization: UC San Diego EE/CS Department.
Lines: 81
Summary: The author speaks...

188622462@excalibur.UUCP (Greene T Richard) writes in
article <45@excalibur.UUCP>:
>
>1) There is an error message quickly flashed on the top line just before
>   the screen is cleared. On using a ctrl-S at the right spot, I saw the
>   message was:
>   *Serial Init Error*
>   The screen would then go blank, and no key except ctrl-RESET would get any
>   response, including the open-apple combinations.

A few people have this problem. I suspect the SSC card has
interupts enabled.   I've tested each configuration on all the
hardware drivers I've written. They worked for me...

The "*Serial Init Error*" is part of a kludge to detect a problem in
itializing the serial card. It appears EVERY time the program
boots. If the serial card init works, the message is cleared, if
the serial card hangs during the init, the message stays. (I know
it's a bad kluge, but it works pretty well.)

>
>2) The screen clears, then the program crashes me into binary, giving me this
>   memory dump:
>   5955- A=35 X=35 Y=F0 P=34 S=F1
>   I think that the Serial Init Error may also appear before this, but I have
>   been unsuccessful in catching it, if it exists.
>

This might be a genuine bug. Most of the code is very tight and
does not bother saving registers, the routines are designed to run
fast. The trade off here is when you start to mix and match
video/serial drivers. Some may interact differently (and crash)
with each other...

Here are the combinations that I have PERSONALLY TESTED:

Apple //e + 80 columns and : Super serial card
                : Mountain Hardware CPS card

Apple //c + Apple modems

Apple][+, VIDEX 80 columns and : Super serial card
                  : CCS 7710 serail card

Apple][, Omnivision 80 and ALS dispatcher

>One more piece of hardware info, I do have some problems with my slots
>and card connecting properly. With my other program (ASCII Express), I have
>had to re-boot several times, each time wiggling the card in its slot to

>get a successful connect.

This could cause a problem.

General note:

Some of the drivers were two configuration specific, I fixed them and
released a patch file called PATCH.EXEC that also contained the VIDEX
driver. The new updated drivers in PATCH are very hardware oriented
and assume very little about your configuration. Some people have perfect
results with the old drivers and some have perfect results with the new
drivers... These bugs are very hard to track down.

My mailbox seems to indicate much success with the program (barring
"cosmetic" things like schpelling errors). So I really have nothing
more to offer than phrases like:
"Check your dipswitches" -or- "Get a fresh copy." -or- "I'm working
on it."

My thanks the to net people that have made my UNIX mailbox file to
it's current 201K. I have discovered that "net" people are
not like the rest of the world... The word "human" comes to
mind. I really appreciate the comments/bug reports.

-Jim Hayes, UCSD

ARPA: hayes@UCSD.ARPA
UUCP: {ihnp4, ucbvax, decvax, etc}!sdcsvax!hayes

P.S. Now that school is out, I'll have more time to add new
features, check this group out in September...

From 2784119120347764734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0839f11a2fafdf4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-15 16:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.14 $; site siemens.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!siemens!samit
From: samit@siemens.UUCP
Newsgroups: net.micro.apple
Subject: HSerial Card Help Request
Message-ID: <93500001@siemens.UUCP>
Date: Thu, 15-May-86 19:17:00 EDT
Article-I.D.: siemens.93500001
Posted: Thu May 15 19:17:00 1986
Date-Received: Sat, 17-May-86 03:44:10 EDT
Lines: 21
Nf-ID: #N:siemens:93500001:000:508
Nf-From: siemens!samit   May 15 19:17:00 1986

Hello all,
     I am trying to find some docs for a serial card from a company
called INTERFACE. The card is a SUPER-SERIAL compatable, but has only one set
of dip switches. The card is marked as follows:

          c-p serial card
          interface v5.12

          pn 0726-5a
               94v0

I would greatly appreciate the dip switch settings and any other info (any
info on the company would help).
I am would gladly pay for copies of the docs and shipping.

               Thanks in advance,
                    Ben Samit (BS)

     seismo!princeton!siemens!samit

From 1184483246416565124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,af8efcb54007a4e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-15 19:26:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: DCOM 3.21 VIDEX driver source code
Message-ID: <2614@sdcc6.UUCP>
Date: Thu, 15-May-86 22:26:27 EDT
Article-I.D.: sdcc6.2614
Posted: Thu May 15 22:26:27 1986
Date-Received: Sat, 17-May-86 04:49:15 EDT
Organization: UC San Diego EE/CS Department.
Lines: 1366
Keywords: DCOM 3.xx, VIDEX, source code

Here is the source code for the VIDEX driver. I'm posting it
because it might have a few problems. I could only test the driver
on VIDEX lookalike equipment, and have not actually seen it work on
real VIDEX equipment

The source code is not all the commented, but should prove useful if
modifications are needed.

-Jim Hayes, UCSD

ARPA: hayes@UCSD.ARPA
UUCP: {ihnp4, ucbvax, decvax, gatech}!sdcsvax!hayes
----CUT-----

```
#! /bin/sh
# This is a shell archive, meaning:
# 1. Remove everything above the #! /bin/sh line.
# 2. Save the resulting text in a file.
# 3. Execute the file with /bin/sh (not csh) to create the files:
#    t.dcom.screen.vdx
# This archive created: Thu May 15 19:16:50 1986
# By:     James Hayes (UC San Diego EE/CS Department.)
export PATH; PATH=/bin:$PATH
echo shar: extracting "'t.dcom.screen.vdx'" '(21248 characters)'
if test -f 't.dcom.screen.vdx'
then
     echo shar: will not over-write existing file "'t.dcom.screen.vdx'"
else
sed 's/^XX//' << \SHAR_EOF > 't.dcom.screen.vdx'
XX ORG $5000
XX*********************************
XX*/VERS. 3.21 07-APR-86 11:37AM *
XX*********************************
XX*                               *
XX* DCOM.SCREEN.VDX               *
XX*                               *
XX*                               *
XX* THIS IS THE SCREEN DRIVER     *
XX* FOR THE VIDEX VIDEOTERM       *
XX*                               *
XX*********************************
XX*
XX*********************************
XX*                               *
XX* DCOM 3    COMMUNICATIONS FOR *
XX* MAINFRAME INTERACTIONS.       *
XX*                               *
XX* FOR THE //e AND //c SERIES.   *
XX*                               *
XX*********************************
XX*                               *
XX* Copyright(C)1986 James Hayes *
XX* ALL RIGHTS RESERVED           *
XX*                               *
XX* P.O. Box 221044               *
XX* University City, CA           *
XX*       92122-1044              *
XX*                               *
XX* (619) 450-9316                *
XX* PHONE # VALID UNTIL JUNE '86 *
XX*                               *
XX*********************************
XX*
XX*********************************
```

```
XX* 80 COLUMN CARD SCREEN        *
XX* ROUTINES:                    *
XX*                              *
XX********************************
XX JMP INITSCRN
XX JMP ZAP
XX JMP CLRLINE
XX JMP MOVELINE
XX JMP STOREXY
XX JMP CLEAREOL
XX JMP CLEAREOS
XX JMP SCROLLUP
XX JMP SCROLLDO
XX JMP HCP
XX JMP CCHECK
XX JMP SCP
XX JMP PICKUP
XX JMP CHOUT
XX JMP INSERTLN
XX JMP KILLLN
XX JMP CLEARBLC
XX JMP CLEARHC
XX JMP DELTCHAR
XX JMP INSTCHAR
XX JMP FILLE
XX JMP FIXSCRN
XX JMP DOCR
XX JMP DOLF
XX JMP SAVESCRN
XX JMP RESTSCRN
XX JMP DORESET
XX JMP DOUBLEIT
XX*
XX*
XXDUMMY RTS
XX*
XX********************************
XX*                              *
XX* CARD CONSTANTS               *
XX*                              *
XX********************************
XX*
XXINITDATA HEX 7F50625819001818
XX HEX 0009200000000000
XX*
XX*
XXSCRNTABL HEX 0050A0F04090E030
XX HEX 80D02070C01060B0
XX HEX 0050A0F04090E030
XX*
XXSCRNTABH HEX CCCCCCCCCDCDCDCC
XX HEX CCCCCDCDCDCCCCCC
XX HEX CDCDCDCDCCCCCCCD
```

```
XX*
XXALSCRNH HEX CCCCCCCCCDCDCBCC
XX HEX CCCCCDCDCBCCCCCC
XX HEX CDCDCDCBCCCCCCCD
XX*
XXALSCRNL HEX 0050A0F04090E030
XX HEX 80D02070C01060B0
XX HEX 0050A0F04090E030
XX*
XXCHRCONV HEX 207F7F090C0D0A2A
XX HEX 2B200B191C16131F
XX HEX 1A1A1A1A1A171D1B
XX HEX 1E153C3E223D232E
XX*
XXXSAVE HEX 00
XXUNDER HEX 00
XXUNDSAVE HEX 00
XXXREG HEX 00
XXCURSIS HEX 00
XXCOUNTERL HEX 00
XXCOUNTERH HEX 00
XX*
XX*********************************
XX*                               *
XX* CARD ACCESS EQUATES           *
XX*                               *
XX*********************************
XX*
XXCONTROL EQU $C0B0
XXREGDATA EQU $C0B1
XXDATAE EQU $C300
XXDATAD EQU $CFFF
XX*
XXSAVEAREA EQU $8400
XXSTUFFBUF EQU $2006
XXMODEINS EQU $301
XXMODEWRAP EQU $305
XXMODEBACK EQU $308
XXMODETOP EQU $30A
XXMODEDBL EQU $309
XXMODECHR EQU $30B
XXMODEINV EQU $30C
XXCX EQU $30F
XXCY EQU $310
XXBLINK EQU $311
XXSCRLTOP EQU $312
XXSCRLBOT EQU $313
XX*
XXMODETAB EQU $380
XX*
XX*********************************
XX*                               *
XX* CONTROL ROUTINES              *
```

```
XX*                              *
XX********************************
XX*
XX*
XX*
XXPUTREG STY CONTROL
XX STA REGDATA
XX RTS
XX*
XX*
XX*
XX********************************
XX* 0) INIT SCREEN               *
XX********************************
XX*
XXINITSCRN STA $C059
XX LDY #15
XXINITLOOP LDA INITDATA,Y
XX JSR PUTREG
XX DEY
XX BPL INITLOOP
XX RTS
XX*
XX*
XX********************************
XX* 1) ZAP - CLEAR THE SCREEN    *
XX* RETURNS WITH A, X AND Y      *
XX* SCRAMBLED                    *
XX********************************
XX*
XXZAP LDY #23 ;CLEAR LINES 0-23 WITH "MODEBACK".
XXZAP1 JSR CLRLINE ;80 COLUMN SCREEN
XX JSR STUFFBUF
XX DEY  ;NEXT LINE.
XX BPL ZAP1 ;BRANCH IF THERE IS MORE TO CLEAR
XX RTS  ;OTHERWISE, QUIT
XX*
XX********************************
XX* 2) CLEAR LINE IN Y REG       *
XX* RETURNS WITH Y INTACT AND    *
XX* X AND A SCRAMBLED            *
XX********************************
XX*
XXCLRLINE
XX LDA #0
XX STA MODETAB,Y
XX BIT DATAE
XX*
XX LDA ALSCRNL,Y
XX STA CLR2+1 ;SET UP THE ABSOLUTE STORAGE BELOW
XX LDA ALSCRNH,Y
XX STA CLR2+2
XX*
```

```
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX LDX #79 ;80 COLUMNS TO CLEAR
XX JSR VFIX
XX LDA MODEBACK ;STORE A MODEBACK.
XXCLR2 STA $FFFF,X ;$FFFF IS FILLED IN BY THE LINES ABOVE.
XX DEX
XX CPX #$F
XX BEQ CLFIX
XX CPX #$1F
XX BEQ CLFIX
XX CPX #$3F
XX BEQ CLFIX
XX INX
XX DEX
XX BPL CLR2 ;BRANCH IF NOT A LEFT EDGE YET
XX*BIT DATAD ;DISABLE 80 COLUMN STORAGE
XX JMP STUFFBUF
XX*
XXCLFIX JSR VFIX
XX TXA
XX PHA
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX PLA
XX TAX
XX*
XX CPY #6
XX BEQ CHCL32
XX CPY #$C
XX BEQ CHCL64
XX CPY #$13
XX BEQ CHCL16
XXEXITCLBS LDA MODEBACK
XX JMP CLR2
XX
XXCHCL32 CPX #$1F
XX BNE EXITCLBS
XX JMP SWAP
XXCHCL64 CPX #$3F
XX BNE EXITCLBS
XX JMP SWAP
XXCHCL16 CPX #$F
XX BNE EXITCLBS
XX JMP SWAP
XX*
XXSWAP
XX TXA
XX PHA
XX JSR STUFFBUF
XX BIT $CFFF
```

```
XX BIT DATAE
XX*
XX PLA
XX TAX
XX LDA SCRNTABL,Y
XX STA CLR2+1
XX LDA SCRNTABH,Y
XX STA CLR2+2
XX LDA MODEBACK
XX JMP CLR2
XX*
XX*
XX*********************************
XX* 3) MOVE A LINE FROM X TO Y   *
XX*    RETURNS WITH X AND Y      *
XX*    UNMOLESTED, BUT A         *
XX*    GETS SCRAMBLED            *
XX*********************************
XX*
XXMOVELINE
XX LDA MODETAB,X
XX STA MODETAB,Y
XX TXA
XX PHA
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX PLA
XX TAX
XX CPX #6
XX BEQ OLMVLN
XX CPX #$C
XX BEQ OLMVLN
XX CPX #$13
XX BEQ OLMVLN
XX CPY #6
XX BEQ OLMVLN
XX CPY #$C
XX BEQ OLMVLN
XX CPY #$13
XX BEQ OLMVLN
XX JMP FASTMOVE
XX*
XX*
XXOLMVLN TXA
XX PHA
XX TYA
XX PHA
XX TXA
XX TAY
XX*
XX LDA ALSCRNL,Y ;MOVE SCREEN LINES. (USED BY BOTH
XX STA SOURCE+1 ;SCROLL ROUTINES.)
```

```
XX LDA ALSCRNH,Y
XX STA SOURCE+2
XX*
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX LDX #79 ;START AT RIGHT SIDE (COL 79)
XX JSR VFIX
XXSOURCE LDA $FFFF,X
XX STA LBUFF,X
XX DEX
XX CPX #$F
XX BEQ CLFIX1
XX CPX #$1F
XX BEQ CLFIX1
XX CPX #$3F
XX BEQ CLFIX1
XX INX
XX DEX
XX BPL SOURCE ;BRANCH IF NOT A LEFT EDGE YET
XX TXA
XX PHA
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX PLA
XX TAX
XX JMP MOVEXYGT
XX*
XXCLFIX1 CPY #6
XX BEQ CHCL321
XX CPY #$C
XX BEQ CHCL641
XX CPY #$13
XX BEQ CHCL161
XXEXITCLB1 JMP SOURCE
XX*
XX
XXCHCL321 CPX #$1F
XX BNE EXITCLB1
XX JMP SWAP1
XXCHCL641 CPX #$3F
XX BNE EXITCLB1
XX JMP SWAP1
XXCHCL161 CPX #$F
XX BNE EXITCLB1
XX JMP SWAP1
XX*
XXSWAP1 JSR VFIX
XX TXA
XX PHA
XX JSR STUFFBUF
XX BIT $CFFF
```

```
XX BIT DATAE
XX PLA
XX TAX
XX LDA SCRNTABL,Y
XX STA SOURCE+1
XX LDA SCRNTABH,Y
XX STA SOURCE+2
XX JMP SOURCE
XX*
XXMOVEXYGT
XX PLA
XX TAY
XX LDA ALSCRNL,Y
XX STA DEST+1
XX LDA ALSCRNH,Y
XX STA DEST+2
XX*
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XX LDX #79
XX JSR VFIX
XXMOVELOP LDA LBUFF,X
XXDEST STA $FFFF,X
XX DEX
XX JSR XYBELONG
XX BMI MOVELOP1
XX BCC SWAP2
XXMOVELOP1 INX
XX DEX
XX BPL MOVELOP
XX JSR STUFFBUF
XX PLA
XX TAX
XX RTS
XX
XX*
XXSWAP2 TXA
XX PHA
XX JSR STUFFBUF
XX PLA
XX TAX
XX LDA SCRNTABL,Y
XX STA DEST+1
XX LDA SCRNTABH,Y
XX STA DEST+2
XX JMP MOVELOP1
XX*
XX*
XX*******************************
XX* 4) STORE AT X,Y. STORES ACC. *
XX*    AT X,Y. RETURNS WITH Y    *
XX*    UNTOUCHED, BUT X AND A    *
```

```
XX*    ARE GONE.                 *
XX*******************************
XX*
XX*
XXSTOREXY PHA
XX BIT DATAE
XX TXA
XX PHA
XX JSR STUFFBUF
XX PLA
XX TAX
XX JSR VFIX
XX JSR XYBELONG
XX BMI XYDONOR2
XX BCC XYDONORM
XXXYDONOR2 LDA ALSCRNL,Y
XX STA STRBYTE+1
XX LDA ALSCRNH,Y
XX STA STRBYTE+2
XX JMP DOFINAL
XXXYDONORM LDA SCRNTABL,Y
XX STA STRBYTE+1
XX LDA SCRNTABH,Y
XX STA STRBYTE+2
XX*
XXDOFINAL PLA
XXSTRBYTE STA $FFFF,X
XX*
XX JSR STUFFBUF ;"INTERUPT" TO CHECK MODEM
XX RTS
XX*
XX*******************************
XX* 5) CLEAR FROM CX,CY TO END   *
XX*    OF LINE. RETURNS NOTHING  *
XX*    INTACT.                   *
XX*******************************
XX*
XXCLEAREOL LDX CX
XX CPX #0
XX BNE CLEAREOX
XX LDY CY
XX JMP CLRLINE
XXCLEAREOX LDX #79 ;START AT THE LAST COLUMN
XX LDY CY ;GET LINE TO DO THE CLEAR ON.
XX LDA MODEBACK ;"SPACE"
XXCLEAREO1 STX XREG ;STORE THE X REG.
XX JSR STOREXY ;STORE IT.
XX LDX XREG ;GET X BACK.
XX CPX CX ;ARE WE DONE YET?
XX BEQ QUITCLR ;BRANCH IF YES.
XX DEX
XX JMP CLEAREO1 ;LOOP, IF NOT.
XXQUITCLR RTS
```

```
XX*
XX*********************************
XX* 6) CLEAR FROM (CX,CY) TO END *
XX*    OF SCREEN. NOTHING EVEN   *
XX*    GETS CLOSE TO RETURNING   *
XX*    INTACT.                   *
XX*********************************
XX*
XXCLEAREOS JSR CLEAREOL ;CLEAR TO END OF LINE.
XX*
XX LDY #23 ;START WITH LAST LINE
XXCLRLOOP CPY CY ;DONE? (YREG=CY?)
XX BEQ CLRDONE ;BRANCH IF SO.
XX JSR CLRLINE ;OTHERWISE CLEAR LINE Y
XX DEY  ;DO NEXT LINE
XX JMP CLRLOOP ;DO IT.
XXCLRDONE RTS
XX*
XX*********************************
XX* 7) SCROLL THE DISPLAY UP ONE *
XX*    LINE. YOU'LL BE LUCKY IF  *
XX*    THE PROCESSOR STATUS BYTE *
XX*    RETURNS THE SAME....      *
XX*********************************
XX*
XXSCROLLUP
XX LDY SCRLTOP ;DEST LINE
XX INY
XX TYA
XX TAX
XX DEY
XXSCRUP1 JSR MOVELINE ;SWAP ODD LOCS ON LINE Y
XX INY  ;INC Y AND X
XX INX
XX CPX SCRLBOT ;AT BOTTOM?
XX BLT SCRUP1 ;BRANCH IF NOT
XX BEQ SCRUP1
XX LDY SCRLBOT ;CLEAR...
XX JMP CLRLINE ;BOTTOM LINE
XX
XX*
XX*********************************
XX* 8) SCROLL THE DISPLAY DOWN   *
XX*    REGISTERS? WHAT DOES #7   *
XX*    SAY? GOOD. FOLLOW THAT.   *
XX*********************************
XX*
XXSCROLLDO LDY SCRLBOT ;START FROM...
XX DEY
XX TYA
XX TAX
XX INY
XX*
```

```
XXSCRDOWN1 JSR MOVELINE ;MOVE THE LINES UP ONE BY ONE.
XX DEY  ;NEXT LINES
XX DEX
XX CPY SCRLTOP
XX BNE SCRDOWN1 ;LOOP IF NOT FINISHED
XX LDY SCRLTOP ;CLEAR TOP LINE
XX JMP CLRLINE
XX
XX*
XX*********************************
XX* 9) HIDE THE CURRENT CURSOR.  *
XX*    REGISTERS: DESTROYED      *
XX*********************************
XX*
XXHCP BIT CURSIS
XX BMI DOHCP
XX RTS
XXDOHCP LDA UNDER ;PUT BACK THE CHAR UNDER THE CURSOR.
XX LDX CX ;GET THE CURSOR LOCATIONS
XX LDY CY
XX JSR STOREXY ;AND STORE IT TO THE SCREEN
XX LDA #0
XX STA CURSIS
XX JMP RESET
XX*
XX*********************************
XX* 9A) CURSOR BLINK ROUTINE     *
XX*********************************
XX*
XXCCHECK LDX BLINK ;HAS THE BLINK BEEN TURNED ON?
XX BNE CCHECK1 ;BRANCH IF YES
XX RTS ;OTHERWISE, EXIT.
XX*
XXCCHECK1 INC COUNTERL ;INCREMENT THE FLASH COUNTER
XX BEQ INCHC ;HAVE WE 256 LOOPS?  BRANCH IF SO.
XX JMP CHECKH ;CHECK FOR OUT OF BOUNDS
XXINCHC INC COUNTERH ;INCREMENT THE HIGH BYTE
XXCHECKH LDX COUNTERH ;GET IT BACK FOR CHECKING
XX CPX BLINK ;HAVE WE HIT THE BLINK TIME?
XX BEQ TOGGLE ;IF SO, TOGGLE THE CURSOR
XX RTS  ;AND SAY BYE, BYE
XX*
XXTOGGLE BIT CURSIS ;WHAT IS THE CURRENT CURSOR STATUS? (ON OR OFF?)
XX BPL ISOFF ;BRANCH IF OFF
XX JSR HCP ;HIDE THE CURSOR
XX LDA #00 ;AND RESET THE
XX STA CURSIS ;CURSOR STATUS BYTE
XX RTS
XXISOFF JSR SCP ;SHOW THE CURSOR
XX LDA #$80 ;AND RESET THE
XX STA CURSIS ;CURSOR STATUS BYTE
XX RTS
XXRESET LDA #0 ;RESET THE CURSOR COUNTERS
```

```
XX STA COUNTERL
XX STA COUNTERH
XX RTS
XX*
XX*
XX*******************************
XX* 10) SHOW CURSOR POSITION.    *
XX* REGISTERS YOU ASK? DESTROYED *
XX*******************************
XX*
XXSCP BIT CURSIS
XX BMI SCPEXIT
XX LDX CX ;GET X AND...
XX LDY CY ;Y
XX JSR PICKUP ;PICK IT OFF THE SCREEN
XX STA UNDER ;GOT IT, NOW STORE THE ACC.
XX EOR #$80 ;INVERT THE CHARACTER (THE NEW CURSOR)
XX LDX CX ;PLACE THE NEW "CURSOR" ON THE SCREEN
XX JSR STOREXY
XX LDA #$80
XX STA CURSIS
XX**
XX* SET DOUBLE, ETC.
XX*
XX LDY CY ; GET THE LINE
XX LDA MODETAB,Y ;GET THE CURRENT MODE OF THE LINE.
XX ROL ;SHIFT OVER TO ACCESS THE HIGE BIT.
XX BCS SETDUBMD ;SET DOUBLE MODE
XX LDX #0
XX STX MODEDBL ;CLEAR IT
XX LDX #$FF ;SET THE UPPER HALF OF THE SET
XX STX MODETOP
XX*
XX JMP SCPEXIT
XXSETDUBMD LDX #$FF
XX STX MODEDBL
XX ROL ;SHIFT OVER TO ACCESS TOP/BOTTOM BIT
XX BCS SETBOT
XX LDX #00
XX STX MODETOP
XX JMP SCPEXIT
XXSETBOT LDX #$FF
XX STX MODETOP
XXSCPEXIT
XX JMP RESET
XX*
XX*******************************
XX* 11) GET THE CHARACTER AT     *
XX*     (X,Y) ON THE SCREEN AND  *
XX*     PUT IN ACC. REGISTERS: Y *
XX*     REMAINS INTACT           *
XX*******************************
XX*
```

```
XXPICKUP BIT DATAE
XX TXA
XX PHA
XX JSR STUFFBUF
XX PLA
XX TAX
XX JSR VFIX
XX JSR XYBELONG
XX BCC XYDONOR1
XX LDA ALSCRNL,Y
XX STA STRBYT1+1
XX LDA ALSCRNH,Y
XX STA STRBYT1+2
XX JMP STRBYT1
XXXYDONOR1 LDA SCRNTABL,Y
XX STA STRBYT1+1
XX LDA SCRNTABH,Y
XX STA STRBYT1+2
XX*
XXSTRBYT1 LDA $FFFF,X
XX*
XX JSR STUFFBUF ;"INTERUPT" TO CHECK MODEM
XX RTS
XX*
XX*
XX*********************************
XX* 12) OUTPUT WHAT EVER IS IN   *
XX*     ACC. WITH RESPECT TO     *
XX*     THE INVERSE FLAG.        *
XX*     KILLS X AND Y. ONLY GETS *
XX*     A SCRAMBLED WHEN SCREEN  *
XX*     SCROLLS                  *
XX*********************************
XX* THIS (BELOW) IS JUST A SUBROUTINE OF CHOUT.
XXCONCHRSET
XX BIT MODECHR ;ADDED TO HANDLE GRAPHIC CHARACTER SETS.
XX BPL CONEXIT ;NOTHING TO CONVERT. OH WELL.
XX CMP #$5F ;PART OF THE CONVERSION SET?
XX BLT CONEXIT
XX*
XX SEC
XX SBC #$5F
XX TAY
XX LDA CHRCONV,Y ;GET THE CONVERTED CHARACTER
XXCONEXIT BIT MODETOP
XX BMI REALEXIT
XX LDA #$2D ;OR OUTPUT A DASH IF DOUBLE WIDE BOTTOM HALF.
XXREALEXIT RTS
XX*
XXNEXTLINE HEX 00
XX*
XXCHOUT JSR CONCHRSET
XX PHA
```

```
XX JSR HCP
XX BIT NEXTLINE
XX BPL SKIPSCRL
XX*
XX* THE SECTION DETERMINES IF THE LAST STORE RESULTED IN
XX* THE POSSIBILITY OF THE SCREEN SCROLLING ON THE
XX* NEXT STORE.  FOR EXAMPLE: THE SCREEN SHOULD
XX* NOT SCROLL WHEN OUTPUT IS MADE TO COLUMN 80 OF LINE
XX* 24.  BUT SHOULD ON THE NEXT OUTPUT UNLESS
XX* THE CURSOR POSITION IS MOVED.
XX*
XX LDX CX
XX CPX #79
XX BNE SKIPSCRL
XX BIT MODEWRAP
XX BPL SKIPSCRL
XX LDX #0
XX STX CX
XX INC CY
XX LDY CY
XX CPY SCRLBOT
XX BLT SKIPSCRL
XX BEQ SKIPSCRL
XX*
XX JSR SCROLLUP
XX DEC CY
XX*
XXSKIPSCRL LDX #00
XX STX NEXTLINE
XX BIT MODEINS ;INSERT MODE ON?
XX BPL NOINS
XX JSR INSTCHAR
XXNOINS
XX LDX CX ;GET THE X
XX LDY CY ;AND Y LOCATIONS.
XX PLA
XX
XX BIT MODEBACK
XX BPL CHINVRS
XX EOR #$80
XXCHINVRS BIT MODEINV ;INVERSE?
XX BPL NORMOUT ;NOPE, DO NORMAL
XX EOR #$80
XXNORMOUT JSR STOREXY
XX INC CX
XX LDX CX
XX CPX #80
XX BLT OKAY1
XXDOCR1 LDA #$FF
XX STA NEXTLINE
XX DEC CX
XXOKAY1 JMP SCP
XX*
```

```
XX*
XX*
XX*
XXDOCR LDX #00
XX STX CX
XXDOLF INC CY ;AND DO A LINE FEED.
XX LDY CY ;INCREMENT Y AND DO A RANGE CHECK.
XX CPY #24 ;OFF SCREEN?
XX BEQ DOSCR ;BRANCH IF SO AND DO SCROLL UP.
XX CPY SCRLBOT
XX BGE DODOSCR
XXOKAY JMP SCP ;DISPLAY CURSOR.
XXDODOSCR BEQ OKAY
XX*
XX*
XXDOSCR JSR SCROLLUP ;SCROLL THE SCREEN UP
XX LDY SCRLBOT ;RESET THE CURSOR POSITION TO THE LAST LINE.
XX STY CY ;STORE IT.
XX JMP SCP ;SHOW THE NEW CURSOR.
XX*
XX*********************************
XX* 13) INSERT A NEW LINE AT CY  *
XX*     AND RETURN CX TO LEFT    *
XX*     SIDE. NO REGISTERS       *
XX*     RETURN O.K.              *
XX*********************************
XX*
XXINSERTLN JSR HCP ;HIDE CURSOR
XX LDX #0 ;RESET TO LEFT SIDE
XX STX CX
XX LDY CY ;GET Y
XX CPY #00 ;AT TOP?
XX BEQ DOBACKIN ;IF SO, JUST SCROLL BACKWARDS (BELOW)
XX*
XX LDY #23 ;START AT BOTTOM
XX LDX #22
XXINSERTL1 JSR MOVELINE ;MOVE ON PAIR OF LINES
XX DEY  ;NEXT PAIR. UP ONE
XX DEX
XX CPX CY ;DONE?
XX BGE INSERTL1 ;BRANCH IF => CY AND DO AGAIN
XX JSR CLEAREOL ;CLEAR TO END OF LINE
XX JMP SCP ;SHOW CURSOR AND EXIT
XX*
XXDOBACKIN JSR SCROLLDO
XX JMP SCP
XX*
XX*********************************
XX* 14) DELETE LINE AT CY AND    *
XX*     RETURNS CX TO LEFT SIDE. *
XX*     NO REG'S INTACT          *
XX*********************************
XX*
```

```
XXKILLLN LDX #0
XX STX CX ;RESET X TO LEFT EDGE
XX JSR HCP ;HIDE THE CURSOR
XX LDY CY ;GET Y (DEST. LINE)
XX CPY #23 ;ALREADY AT BOTTOM?
XX BEQ KILLLNCL ;IF SO, JUST ERASE THE BOTTOM LINE
XX*
XX
XX TYA  ;XFER Y TO X
XX TAX
XX INX  ;AND INCREMENT X TO GET SOURCE LINE.
XXKILLLN1 JSR MOVELINE ;MOVE SOURCE TO DEST.
XX INY  ;NEXT!
XX INX
XX CPX #24 ;AT BOTTOM?
XX BNE KILLLN1 ;DO AGAIN IF NOT
XXKILLLNCL LDY #23 ;OTHERWISE, CLEAR THE BOTTOM LINE.
XX JSR CLRLINE
XX JMP SCP ;SHOW THE CURSOR.
XX*
XX*********************************
XX* 16) CLEAR FROM BEGINNING OF  *
XX*     LINE TO THE CURSOR       *
XX*********************************
XX*
XXCLEARBLC JSR HCP
XX LDX CX
XX STX OLDX
XX LDY CY
XX STY OLDY
XX*
XXERSLOOP LDA MODEBACK
XX JSR STOREXY
XX LDY OLDY
XX DEC OLDX
XX LDX OLDX
XX BPL ERSLOOP
XX JSR SCP
XX RTS
XX*
XXOLDX HEX 00
XXOLDY HEX 00
XX*
XX*********************************
XX* 17) CLEAR FROM HOME TO       *
XX*     CURSOR                   *
XX*********************************
XX*
XXCLEARHC JSR HCP
XX LDY CY
XX BEQ SKIPCLR
XX*
XX DEY
```

```
XX STY OLDY
XXCLRLOOP1 JSR CLRLINE
XX DEC OLDY
XX LDY OLDY
XX BPL CLRLOOP1
XX JSR CLEARBLC
XXSKIPCLR RTS
XX*
XX********************************
XX* 18) DELETE THE CHARACTER     *
XX*     UNDER THE CURSOR AND MOVE*
XX*     EVERYTHING ELSE OVER.    *
XX********************************
XX*
XX*
XXDELTCHAR JSR HCP
XX LDX CX
XX STX OLDX
XX*
XXDELTCHLP LDX OLDX
XX INX
XX LDY CY
XX JSR PICKUP
XX LDX OLDX
XX LDY CY
XX JSR STOREXY
XX*
XX INC OLDX
XX LDX OLDX
XX CPX #79
XX BLT DELTCHLP
XX
XX LDX #79
XX LDY CY
XX LDA MODEBACK
XX JSR STOREXY
XX JSR SCP
XX RTS
XX*
XX********************************
XX* 19) INSERT A BLANK IN THE    *
XX*     CURRENT LINE.            *
XX********************************
XX*
XX*
XXINSTCHAR
XX LDX CX
XX CPX #79
XX BEQ EXIT
XX JSR SCP
XX LDX #78
XX STX XSAVE
XX*
```

```
XXINSERTLP LDX XSAVE
XX JSR PICKUP
XX LDX XSAVE
XX INX
XX JSR STOREXY
XX LDX XSAVE
XX CPX CX
XX BEQ INSLOPEX
XX DEC XSAVE
XX JMP INSERTLP
XXINSLOPEX LDX CX
XX LDY CY
XX LDA MODEBACK
XX JSR STOREXY
XXEXIT RTS
XX*
XX*********************************
XX* 20) FILL THE SCREEN W/E'S    *
XX*********************************
XX*
XXMODEBSTR HEX 00
XX*
XXFILLE JSR HCP
XX LDX MODEBACK
XX STX MODEBSTR
XX*
XX LDX #69
XX STX MODEBACK
XX JSR ZAP
XX LDX MODEBSTR
XX STX MODEBACK
XX JSR SCP
XX RTS
XX*
XX*********************************
XX* 21) INVERT THE SCREEN.       *
XX*********************************
XX*
XXFIXLINE
XX*
XX*********************************
XX* FIX THE LINE IN Y            *
XX*********************************
XX*
XX BIT DATAE
XX*
XX LDA ALSCRNL,Y
XX STA CLR3+1 ;SET UP THE ABSOLUTE STORAGE BELOW
XX STA CLR32+1
XX LDA ALSCRNH,Y
XX STA CLR3+2
XX STA CLR32+2
XX*
```

```
XX LDX #79 ;80 COLUMNS TO CLEAR
XX JSR VFIX
XXCLR3 LDA $FFFF,X ;$FFFF IS FILLED IN BY THE LINES ABOVE.
XX EOR #$80
XXCLR32 STA $FFFF,X
XX DEX
XX CPX #$F
XX BEQ CLFIX2
XX CPX #$1F
XX BEQ CLFIX2
XX CPX #$3F
XX BEQ CLFIX2
XX INX
XX DEX
XX BPL CLR3 ;BRANCH IF NOT A LEFT EDGE YET
XX*BIT DATAD ;DISABLE 80 COLUMN STORAGE
XX JMP STUFFBUF
XX*
XXCLFIX2 JSR VFIX
XX*
XX CPY #6
XX BEQ CHCL322
XX CPY #$C
XX BEQ CHCL642
XX CPY #$13
XX BEQ CHCL162
XXEXITCLB2 LDA MODEBACK
XX JMP CLR3
XX
XXCHCL322 CPX #$1F
XX BNE EXITCLB2
XX JMP SWAP3
XXCHCL642 CPX #$3F
XX BNE EXITCLB2
XX JMP SWAP3
XXCHCL162 CPX #$F
XX BNE EXITCLB2
XX JMP SWAP3
XX*
XXSWAP3 LDA SCRNTABL,Y
XX STA CLR32+1
XX STA CLR3+1
XX LDA SCRNTABH,Y
XX STA CLR32+2
XX STA CLR3+2
XX LDA MODEBACK
XX JMP CLR3
XX*
XX*
XXFIXSCRN JSR HCP
XX LDY #23
XXFIXLOOP JSR FIXLINE
XX DEY
```

```
XX BPL FIXLOOP
XX JSR SCP
XX RTS
XX*
XX*
XX*******************************
XX* SAVE SCREEN! SAVE SCREEN!    *
XX*******************************
XX*
XXSAVEBANK LDX #$00
XXSAVEBAN1 LDA $CC00,X
XXSAVER STA $FFFF,X
XX DEX
XX BNE SAVEBAN1
XX*
XX INC SAVER+2
XX INC SAVER1+2
XX JSR STUFFBUF
XX BIT $CFFF
XX LDA DATAE
XXSAVEBAN2 LDA $CD00,X
XXSAVER1 STA $FFFF,X
XX DEX
XX BNE SAVEBAN2
XX*
XX INC SAVER+2
XX INC SAVER1+2
XX JSR STUFFBUF
XX RTS
XX*
XXRESTBANK LDX #00
XXRESTER LDA $FFFF,X
XX STA $CC00,X
XX DEX
XX BNE RESTER
XX INC RESTER+2
XX INC RESTER1+2
XX JSR STUFFBUF
XX BIT $CFFF
XX BIT DATAE
XXRESTER1 LDA $FFFF,X
XX STA $CD00,X
XX DEX
XX BNE RESTER1
XX*
XX INC RESTER+2
XX INC RESTER1+2
XX JSR STUFFBUF
XX RTS
XX*
XX*******************************
XX* SAVE A SCREEN TO MEMORY      *
XX* STARTING AT #SAVE AREA       *
```

```
XX*********************************
XX*
XXSAVESCRN JSR HCP
XX LDX #<SAVEAREA
XX STX SAVER+1
XX STX SAVER1+1
XX LDX #>SAVEAREA
XX STX SAVER+2
XX STX SAVER1+2
XX*
XX LDA $C0B0
XX JSR SAVEBANK
XX LDA $C0B4
XX JSR SAVEBANK
XX LDA $C0B8
XX JSR SAVEBANK
XX LDA $C0BC
XX JSR SAVEBANK
XX*
XX
XXQUITSAVE LDY #$A0
XXQSLOOP LDA $300,Y
XX STA $8100,Y
XX DEY
XX CPY #$FF
XX BNE QSLOOP
XX*
XX BIT DATAD
XX RTS
XX*
XX*********************************
XX* RESTORE SCREEN               *
XX*********************************
XX*
XXRESTSCRN LDX #<SAVEAREA
XX STX RESTER+1
XX STX RESTER1+1
XX LDX #>SAVEAREA
XX STX RESTER+2
XX STX RESTER1+2
XX*
XX LDA $C0B0
XX JSR RESTBANK
XX LDA $C0B4
XX JSR RESTBANK
XX LDA $C0B8
XX JSR RESTBANK
XX LDA $C0BC
XX JSR RESTBANK
XX*
XXQUITREST LDY #$A0
XXQULOOP LDA $8100,Y
XX STA $300,Y
```

```
XX DEY
XX CPY #$7F
XX BNE QULOOP
XX LDY #$0F
XX LDA $8100,Y
XX STA $300,Y
XX INY
XX LDA $8100,Y
XX STA $300,Y
XX BIT DATAD
XX LDA UNDSAVE
XX STA UNDER
XX LDA #0
XX STA CURSIS
XX JSR SCP
XX RTS
XX*********************************
XX* RESET THE SCREEN LINE TO     *
XX* NORMAL WIDTH, AFTER A DOUBLE *
XX* WIDTH CHANGE.                *
XX*********************************
XX*
XX*
XXDORESET JSR HCP ;Reset the line width and reset cursor
XX*
XXDORESET1 LDX #0
XX STX DSOURCE
XX STX DDEST
XX JSR HCP
XX*
XXDORESET2 LDY CY
XX LDX DSOURCE
XX JSR PICKUP
XX LDY CY
XX LDX DDEST
XX JSR STOREXY
XX INC DSOURCE
XX INC DSOURCE
XX INC DDEST
XX LDY DDEST
XX CPY #40
XX BEQ DORESET3
XX JMP DORESET2
XXDORESET3 JSR SCP
XX LDA CX
XX PHA
XX JSR HCP
XX LDX #40
XX LDY CY
XX STX CX
XX JSR CLEAREOL
XX PLA
XX STA CX
```

```
XX JSR SCP
XX RTS
XX*
XX*
XX*
XXDSOURCE HEX 00
XXDDEST HEX 00
XX*
XX*********************************
XX* DOUBLE (MAKE WIDE) THE       *
XX* CURRENT SCREEN LINE.         *
XX*********************************
XX*
XXDOUBLEIT LDX #39
XX STX DSOURCE
XX LDY #78
XX STY DDEST
XX*
XXDBLOOP LDX DSOURCE
XX LDY CY
XX JSR PICKUP
XX LDX DDEST
XX LDY CY
XX JSR STOREXY
XX DEC DDEST
XX LDY CY
XX LDX DDEST
XX LDA MODEBACK
XX JSR STOREXY
XX DEC DDEST
XX DEC DSOURCE
XX*
XX LDY DSOURCE
XX BEQ DBLEXIT
XX JMP DBLOOP
XXDBLEXIT RTS
XX*********************************
XX* GIVEN AN X AND Y COORDINATE, *
XX* THIS ROUTINE WILL SWITCH IN  *
XX* THE APPROPRIATE SECTION OF   *
XX* THE VIDEO SCREEN.            *
XX*********************************
XX*
XXVFIX
XX*
XX TXA
XX PHA
XX JSR STUFFBUF
XX PLA
XX TAX
XX BIT $C300
XX CPY #7
XX BLT BANK1CHK
```

```
XX CPY #$D
XX BLT BANK2CHK
XX CPY #$14
XX BLT BANK3CHK
XXBANK4 LDA $C0BC
XX LDA #4
XX
XX RTS
XXBANK1CHK CPY #6
XX BEQ BN1MIDLN
XXSWINB1 LDA $C0B0
XX LDA #1
XX
XX RTS
XXBN1MIDLN CPX #$20
XX BLT SWINB1
XXSWINB2 LDA $C0B4
XX LDA #2
XX
XX RTS
XXBANK2CHK CPY #$C
XX BEQ BN2MIDLN
XX LDA $C0B4
XX LDA #2
XX
XX RTS
XXBN2MIDLN CPX #$40
XX BLT SWINB2
XXSWINB3 LDA $C0B8
XX LDA #3
XX
XX RTS
XX*
XXBANK3CHK CPY #$13
XX BEQ BN3MIDLN
XX LDA $C0B8
XX LDA #3
XX
XX RTS
XXBN3MIDLN CPX #$10
XX BLT SWINB3
XX LDA $C0BC
XX LDA #4
XX
XX RTS
XX*
XX*
XX*******************************
XX* SEE IF X,Y BELONG TO THE     *
XX* ALTERNATE TABLE OR THE       *
XX* MASTER TABLE.                *
XX*******************************
XX* CARRY CLEAR TO USE NORMAL,   *
```

```
XX* CARRY SET TO USE ALT.        *
XX*********************************
XX*
XXXYBELONG TXA
XX PHA
XX JSR STUFFBUF
XX PLA
XX TAX
XX CLV
XX CPY #6
XX BEQ CHECKAL1
XX CPY #$C
XX BEQ CHECKAL2
XX CPY #$13
XX BEQ CHECKAL3
XX CLC
XX LDA #$FF
XX RTS
XX*
XXCHECKAL1
XX CPX #$20
XX BLT NORMFLGS
XX SEC
XX LDA #$FF
XX RTS
XXCHECKAL2
XX CPX #$40
XX BLT NORMFLGS
XX LDA #$FF
XX SEC
XX RTS
XXCHECKAL3
XX CPX #$10
XX BLT NORMFLGS
XX SEC
XX LDA #$FF
XX RTS
XXNORMFLGS CLC
XX JSR VFIX
XX LDA #$00
XX RTS
XX*********************************
XX* FAST MOVE.  MOVE LINE WITHOUT*
XX* CHECKING. ASSUMES IN SAME    *
XX* AS SOURCE AND DESTINATION    *
XX*********************************
XX*
XX*
XX*
XXFASTMOVE LDA SCRNTABL,X
XX STA SOURCE1+1
XX LDA SCRNTABH,X
XX STA SOURCE1+2
```

```
XX LDA SCRNTABL,Y
XX STA DEST1+1
XX LDA SCRNTABH,Y
XX STA DEST1+2
XX*
XX TXA
XX PHA
XX JSR STUFFBUF
XX LDX #79
XX JSR VFIX
XXSOURCE1 LDA $FFFF,X
XXDEST1 STA $FFFF,X
XX DEX
XX BPL SOURCE1
XX JSR STUFFBUF
XX PLA
XX TAX
XX RTS
XX*
XX*
XX*
XXLBUFF HEX 00
XX*
SHAR_EOF
if test 21248 -ne "`wc -c < 't.dcom.screen.vdx'`"
then
     echo shar: error transmitting "'t.dcom.screen.vdx'" '(should have been 21248
characters)'
fi
fi # end of overwriting check
#    End of shell archive
exit 0


From -7643862357341587886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,529fc12d9539cabf,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,529fc12d9539cabf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-16 05:08:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!caip!lll-crg!lll-lcc!pyramid!nsc!amdahl!
dwl10
From: dwl10@amdahl.UUCP (Dave Lowrey)
Newsgroups: net.micro.cbm,net.micro.apple
Subject: Ultima IV help wanted
Message-ID: <3228@amdahl.UUCP>
Date: Fri, 16-May-86 08:08:07 EDT
Article-I.D.: amdahl.3228
Posted: Fri May 16 08:08:07 1986
Date-Received: Sun, 18-May-86 13:57:26 EDT
Organization: Amdahl Corporation, Columbia MD
```

Lines: 22
Keywords: Ultima IV
Xref: linus net.micro.cbm:2088 net.micro.apple:2464

OK, I give up! I have been trying to enter the Abyss for a week now.

I don't wqant to spoil the game for others who havn't played it yet, so
I wont give details here. But, would someone who has completed the
game Please E-Mail me. I will then mail you back a detailed description
of all the great stuff I have found, and of all my attempts to enter the
"Chamber of the Codex".

Please E-Mail all replies. We don't want to spoil the game for others
who have stronger wills (or wits) than I.

 Dave (I guess I really an not an Avatar) Lowrey
--

                                Dave Lowrey

"To vacillate or not to vacillate, that is the question....
 ....or is it?"
                                 ...!{ihnp4,cbosgd,hplabs}!amdahl!dwl10

[The opinions expressed <may> be those of the author and not necessarily
  those of his most eminent employer.]

From -4549677070934632601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-16 06:22:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!gargoyle!sphinx!god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM
Message-ID: <163@sphinx.UChicago.UUCP>
Date: Fri, 16-May-86 09:22:48 EDT
Article-I.D.: sphinx.163
Posted: Fri May 16 09:22:48 1986
Date-Received: Mon, 19-May-86 03:05:34 EDT
References: <3440@reed.UUCP>
Reply-To: god3@sphinx.UUCP (Peter Godwin)
Distribution: net
Organization: University of Chicago Computation Center
Lines: 30

In article <3440@reed.UUCP> marc@reed.UUCP (Marc Leonard) writes:
>   A recent discussion in net.micro.cbm explained how one could
>change the C64 basic rom to ram by copying that block of memory
>to itself (loop of POKE X,PEEK(X)) and then set a pointer at

>location $00. This would copy the rom into a block of ram under
>it, so that the Basic routines could be edited normally. The
>pointer told the computer to use the new ram instead of the rom.
>   Does anyone know if this can be done on the Apple][e? If not,
>is there another way of altering Basic functions, keywords, etc.?
>   Please mail or mail and post any responses.

     A company called Beagle Brothers Microsoftware, Inc. sells
many utilities which allow one to modify DOS and Applesoft commands.

Beagle Basic is probably the closest thing to what you're looking for.
This program allows you to modify the names of Applesoft commands,
token words, and it also gives you lotsa extra commands (like if then else
and swap a,b where a and b are variables). And of course, there's the
"oldee but goodee" DOS BOSS which allows you to do the same to DOS 3.3
commands.

Hope this helps

--

Peter Godwin   uucp: ...ihnp4!gargoyle!sphinx!god3
Univ. of Chicago Comp Ctr mailnet: x9.xpg@UChicago.Mailnet
Room 2322x   bitnet: god3%sphinx@UChicago.Bitnet
5824 S. Kimbark Ave.   ARPA: x9.xpg%UChicago.Mailnet@MIT-Multics.ARPA
Chicago, IL 60637

From 5971699756798052745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b733425250551a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-16 11:03:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!mxc
From: mxc@ecsvax.UUCP (Mark Cooperstein)
Newsgroups: net.micro.apple
Subject: Need Help!!
Message-ID: <1574@ecsvax.UUCP>
Date: Fri, 16-May-86 14:03:47 EDT
Article-I.D.: ecsvax.1574
Posted: Fri May 16 14:03:47 1986
Date-Received: Sun, 18-May-86 12:55:04 EDT
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 19

I have an external keyboard for the Apple II/e computer that was
made by a company called EPS (Executive Peripheral Systems, Inc.).
Unfortunately I have lost the installation instructions and would
very much like to get a copy from someone who has the same equipment.
The model number of this keyboard is EPS KB-A3. If anyone out there

can help, I would be appreciateive. Please respond to this
query via unix-mail since I dont normally subscribe to micro.apple
newsgroup.

thanks in advance

mark cooperstein
ncsu school of vet. medicine

ps-It would seem the EPS is out of business since they dont answer
the phone anymore.
.

From 8889871664999951784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,297bb57e3cf5d091
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-16 18:02:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!caip!nike!think!ejb
From: ejb@think.ARPA (Erik Bailey)
Newsgroups: net.micro.apple
Subject: Re: KERMIT
Message-ID: <5191@think.ARPA>
Date: Fri, 16-May-86 21:02:38 EDT
Article-I.D.: think.5191
Posted: Fri May 16 21:02:38 1986
Date-Received: Sun, 18-May-86 14:58:40 EDT
References: <1661@utai.UUCP>
Reply-To: ejb@think.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 28

In article <1661@utai.UUCP> jpierre@utai.UUCP (Pierre Corriveau) writes:
>Is it possible to obtain the most recent version of
>KERMIT for an Apple //e on a floppy? Does Colombia
>University still support it and is it willing to mail
>a diskette with the software?
>
>Jean-Pierre Corriveau
>TORONTO@utai

I would REALLY like to obtain a version of Kermit compatible
with the //c. Any chances of a posting? A lot of people would
benefit, and this newsgroup has low traffic anyway. If not,
could some nice person (I'm sick of "kind soul") give me pointers,
either net or physical, to the program?

And now for something completely different. Does anyone happen
to know the latest version of AE-Pro (ASCII Express -- Professional)?

I have v4.30P... adTHANKSvance... --Erik

--

Erik Bailey -- 7 Oak Knoll (USENET courtesy of
ihnp4!think!ejb Arlington, MA 02174 Thinking Machines Corp.
ejb@think.com (617) 643-0732 Cambridge, MA)

It takes thought to make a program that thinks.
But it takes work to make a program that works.

From 8492758376462329040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-17 07:10:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site neoucom.UUCP
Path: utzoo!watmath!clyde!cbosgd!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM
Message-ID: <203@neoucom.UUCP>
Date: Sat, 17-May-86 10:10:33 EDT
Article-I.D.: neoucom.203
Posted: Sat May 17 10:10:33 1986
Date-Received: Mon, 19-May-86 04:09:14 EDT
References: <3440@reed.UUCP>
Distribution: net
Organization: Northeastern Ohio Universities College of Medicine
Lines: 101
Summary: Somewhat painful on the Apple

In the preceeding article, the author expressed a desire to be able to modify Apple Basic. Depending on your mix of hardware, firmware and software, the job of modifying the Apple can range for esay to pretty difficult.

I have most of my experience writing stuff that runs under DOS 3.3. With DOS 3.3, the easiest way is to gain control of the console input vector, and replacing it with your own. That way, you can parse everything that comes in; if it is of no interest to your program "wedge" than you can drop the characters on through to the input routines used by DOS.

The above is why it is necessary to preceed DOS function commands in BASIC programs with a control-D. DOS links into BASIC's "charget" routine. To save time, dos ingores everything until it detectes a carriage return followed by control-D in the input stream, it then parses the line until the next return comes up. Charget is a short subrountine that is stored in page zero,

beginning at $39 (I think, but check the "Applesoft Programmer's reference manual" to be sure.)

The other way to extend function is with the "&" function that is already provided in BASIC, see the apple literature for this one, they already have a decent description. Also, many of the Apple supplied goodies, such as the RENUMBER program use this, so you can apply some reverse engineering to figure out what's going on

Also, you can use BASIC's parser to do your own dirtywork from a subroutine you supply. There is a function called STREVAL in rom that accepts a pointer to a /0 terminated string in RAM that is written according to the syntactic rules for variables and constants used in BASIC. STREVAL computes the result, and leaves the value in the Floating Point Accumulator in page zero. I've used this when I've needed to do floating point math in a machine language routine. Note that it also allows you to set variables accessed from BASIC from machine language. There was an issue of CALL A.P.P.L.E. about 6 or 7 years ago that published all the juicy addresses. It has a few addresses wrong, but you can get an idea of what's going on. All the major routines seem to be in the same places, even in the 2E! If you're interested, contact me at the address below if you can't find the original article.

Note that the documentation about using the keyboard and console vectors in the Apple Programmer's reference is incorrect. DOS is very tenacious about giving up control. If either the input or output vector is attatched to DOS, it will reinstall the other vector you've taken over as soon as you do an I/O, thus disconnecting your subroutine.

I've found the best way to take over control from DOS is to attack DOS itself. If I remember right, you can steal contol back by planting you vector in dos somewhere around $AA65. Disassemble DOS, and look for the vector that points to the input routine in the monitor ROM. I've used this approach to add a keyclick subroutine.

ProDOS is yet another matter, we don't really use ProDOS, since all our major applications were written several years ago in DOS 3.3. At least DOS 3.3 allows you to write installable drivers for odd devices. The Apple PRoDOS Technical Reference Manual is quite good and complete with a demo diskette. It is put out by Addison-Wesley and is available just about everywhere. Also, see Beneath the the Apple ProDOS for in depth information.

Yes, Applesoft can be shadowed to RAM if you have a 2E. Under normal conditions, the RAM under ROM is writeable. You can use this:

```
10 FOR I=13*4096 to 65535
20 POKE I,PEEK(I)
30 NEXT
```

to move the ROM version to RAM. Then, two consecutive POKEs to $C080 should activate the shadow RAM and cut out the ROM. IF you

have INTBASIC in RAM, you need to enable writing to the shadow RAM before you xfer. -- If I remeber right, that takes two pokes to $C083. Double check these addresses in your manual. Note, if you can get an old copy of DOS (perhaps 3.2.1) there used to be a relocatable version of AppleSoft on the disk for use by people that had INTBASIC in ROM! That can be very useful. I used that, and there were a couple of bgus in early versions.

A last word, that graphics page right in the middle of memory sure is annoying, isn't it. I once had to write a 25K long program that used graphics, and had to be fast, so it couldn't use overlays. I discovered taht lines in BASIC end in /0 followed by the physical RAM address whre the next line can be found. The fix is easy. Use the Monitor ROM move routine to move the back half of your program past the graphics page, then edit the link. It takes longer to load initially, but makes life easier. I suppose that you could write a little subroutine to perform dynamic relocation to save loading time.

I hope this is of some help to y'all. Happy hacking. Any questions? try the mail. I'm not an expert, but you're more than welcome to get my opinion.

Bill Mayhew
Electrical Engineeer
Division of Basic Medical Sciences
4209 State Route 44
Northeastern Ohio Universities' College of Medicine
Rootstown, OH 44272 USA (216) 325-2511 ext. 323
...!allegra!neoucom!wtm

From 5440594027073470507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd8f2dfcd709f6e3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-17 14:08:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-lcc!dual!
ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Apple Super Serial Card "interrupts"
Message-ID: <250@ski.UUCP>
Date: Sat, 17-May-86 17:08:43 EDT
Article-I.D.: ski.250
Posted: Sat May 17 17:08:43 1986
Date-Received: Mon, 19-May-86 07:10:59 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 28

I have long been "troubled" by the SSC interrupt forwarding. The SSC

manual mentions special switches on pages 8 and 24.

> "Switch SW2-6 controls forwarding of interrupts to the Apple II.
> Since the Apple II and II+ do not handle interrupts,
> set SW2-6 OFF."

No further mention is made of this switch, and no mention is made of its application on //e's.

This switch appears to be simply in the IRQ line coming into the SSC. Therefore, does this switch enable/disable interrupts coming IN to the Apple from the outside, does it control enable/disable IRQ's from the Apple to be somehow passed to the outside, or is the SSC able to generate IRQ's of its own.

If none of the above, what is the possible function of this switch, and how would it be used?

--
==========
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 8984079934942917306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-18 08:28:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version P 1.00 3/01/86; site pucc.BITNET
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!puvax2!pucc.BITNET!
6101695
From: 6101695@pucc.BITNET (Raymond Chen)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM
Message-ID: <566@pucc.BITNET>
Date: Sun, 18-May-86 11:28:39 EDT
Article-I.D.: pucc.566
Posted: Sun May 18 11:28:39 1986
Date-Received: Fri, 23-May-86 04:35:06 EDT
References: <203@neoucom.UUCP> <3440@reed.UUCP>
Reply-To: 6101695@pucc.BITNET
Distribution: net
Organization: Princeton University Computing Center
Lines: 66

> DOS links into BASIC's "charget" routine.

Well, sort of. DOS actually links into KSW, which is a part of the system, not BASIC. This explains how DOS can operate from within the monitor or from Integer BASIC. (Integer BASIC does not have a CHARGET routine.) KSW is not a subroutine. KSW is a vector which resides at $38/$39 (zero page). It is referenced by KEYIN ($FD0C) which is the "official" way of getting characters from the keyboard. DOS doesn't worry too much about KSW. The only reasons it bothers to trap input is so that (a) it can act upon DOS commands typed directly at the keyboard (like CATALOG), (b) it can feed INPUT statements when you are reading from the disk (with OPEN file, READ file) and (c) it can feed GETLN (the "official" line input routine) when you are EXECing a file.
  Actually, most of DOS's work is done by its vector into CSW. CSW is yet another vector (at $36/$37) which is called by COUT, the "official" Character OUTput routine.) It is there that DOS sniffs for a RETURN followed by Ctrl-D.

> The other way to extend function is with the "&" function . . .
I have found the Apple PugetSound Program Library Exchange (the people who put out Call -APPLE) publication "All About Applesoft" to be very handy, especially the section on Applesoft internal entry points.

> DOS is very tenacious about giving up control.
> . . . I've found the best way to take over control from DOS is
>to attack DOS itself.
I recommend the "official" method of installing custom routines:
1. Install your routine as if DOS didn't exist.
2. Call $03EA.
$03EA (DOSCONN) connects DOS to your routine by copying the CSW and KSW vectors into the DOS table at $AA53/AA54 and $AA55/AA56.
If you want to disconnect DOS completely, just put $FDF0 into CSW and $FD1B into KSW, and DON'T call DOSCONN. Warning: Once DOS is disconnected, you can't do things like CATALOG and such. If you want to reconnect DOS, just call $03EA. (CALL 1002 from BASIC)

>You can use this:
>
>   10 FOR I=13*4096 to 65535
>   20 POKE I,PEEK(I)
>   30 NEXT
>
>to move the ROM version to RAM.
It may work, but it is excruciatingly slow. My method:
1. Drop into the monitor (CALL -151)
2. C081 C081 (This write-enables the bank-switched RAM, but does
              not read-enable it. If it were read-enabled, the
              system would hang, since there is nothing there to
              read.)
3. D000<D000.FFFFM (This is the monitor equivalent of the BASIC
                    program.)
4. C083 C083 (This write- and read-enables the RAM. You can now
               deal with it as you please.)

5. make modifications
6. C080 (This write-protects but read-enables the RAM. Doing this
         makes your newly-modified RAM look like ROM.)
7. ctrl-c (to return to BASIC, if you haven't clobbered it.)

If you really want to know, all you really have to copy is the
range F800.FFFF if you are willing to go without BASIC.

Please pardon my verbose Pavlovian response. I'll try not to do it
again.

Raymond Chen (6101695@PUCC) "Don't look at me. I'm new here."

From -4802534169351725039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-19 00:23:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM (really DOS vs. CHARGET)
Message-ID: <2620@sdcc6.UUCP>
Date: Mon, 19-May-86 03:23:23 EDT
Article-I.D.: sdcc6.2620
Posted: Mon May 19 03:23:23 1986
Date-Received: Fri, 23-May-86 05:47:15 EDT
References: <3440@reed.UUCP> <203@neoucom.UUCP>
Reply-To: ix742@sdcc6.UUCP (James Hayes)
Distribution: net
Organization: UC San Diego EE/CS Department.
Lines: 90

wtm@neoucom.UUCP (Bill Mayhew) writes in article <203@neoucom.UUCP>:

>   ..... DOS links into
>BASIC's "charget" routine. To save time, dos ingores everything
>until it detectes a carriage return followed by control-D in the
>input stream, it then parses the line until the next return comes
>up. Charget is a short subrountine that is stored in page zero,
>beginning at $39 (I think, but check the "Applesoft Programmer's
>reference manual" to be sure.)

Nope. DOS never looks at CHARGET. DOS looks at the KEYboard INput
(KEYIN) vector. This lies at $38/$39 (Low/High) and contains the
address of the routine that reads from the keyboard. KEYIN is used
to monitor what you type. I.e. "CATALOG".

DOS also looks out Character OUT (COUT $36/$37) for the routine to
listen to the output of BASIC, etc.. It looks for commands like
"OPEN", "CLOSE", "CATALOG" that are preceded by <CR>^D{command}.

This is how BASIC works with DOS.

The Applesoft CHARGET routine also lies in page 1 but is used for an entirely different purpose. When BASIC wants the next character in the program, it calls CHARGET. This is just a memory fetch routine. Once the fetch has completed, the address of the fetch is incremented.

You can modify CHARGET to filter commands in basic. I.e

```
10 !UNDO(3,4):PRINT "HELLO"
```

The !UNDO command doesn't belong to BASIC. If you modify CHARGET, you can intercept the command when you see the initial !. I beleive PRODOS modifies CHARGET to look for HGR, HGR2, LOMEM, HIMEM and the like, so it can modify it's on memory map. But note that BASIC stores it's own commands in a one byte TOKEN. So modifying what HOME does (for example) is as easy as looking for one byte.

I can't remember the charget address off hand, but I beleive it lives near $10-$20.

> Note that the documentation about using the keyboard and
>console vectors in the Apple Programmer's reference is incorrect.
>DOS is very tenacious about giving up control. If either the input
>or output vector is attatched to DOS, it will reinstall the other
>vector you've taken over as soon as you do an I/O, thus
>disconnecting your subroutine.
> I've found the best way to take over control from DOS is
>to attack DOS itself. If I remember right, you can steal contol
>back by planting you vector in dos somewhere around $AA65.
>Disassemble DOS, and look for the vector that points to the input
>routine in the monitor ROM. I've used this approach to add
>a keyclick subroutine.

A slightly more portable way to do this is the following:

Set up the addresses of the input/output hooks to point to your routines, and then ask DOS to connect them for you. This is done by calling the DOS reconnect vector at $3EA. This will automatically modify DOS's internal vectors for you. This is more reliable, for different DOS versions might have different internal vectors. $3EA will always set them properly.

A sample keyclick program:

```
$300  LDY #<CLICK ; Determine address of CLICK
      LDX #>CLICK
      STY $38     ; Store it in the KEYIN vector
      STX $39
      JMP $3EA    ; Ask DOS to reconnect
*
CLICK BIT $C000   ; Wait for key
      BPL CLICK   ; Keep looping
```

```
      BIT $C030   ; Twitch speaker
      LDA #20
      JSR $FCA8   ; Delay
      BIT $C030   ; Twitch speaker again.
      LDA $C000   ; Read the key struck
      BIT $C010   ; Clear the key struck
      RTS         ; Return
```

Note: This DOES NOT disconnect DOS. DOS will still monitor the I/O
looking for it's comands. This is very handy...

I hope I haven't created more confusion than I've gotten rid of...
--
Jim Hayes, UCSD EE/CS Department.
ARPA: hayes@UCSD.EDU
UUCP: {ihnp4, gatech, ucbvax, decvax, etc.}!sdcsvax!hayes

"There are two ways to dislike poetry; one way is to dislike it, the
other is to read Pope." -- Oscar Wilde

From 7093896434538251674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd8f2dfcd709f6e3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-19 08:04:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihuxe!jgpo
From: jgpo@ihuxe.UUCP (john opalko)
Newsgroups: net.micro.apple
Subject: Re: Apple Super Serial Card "interrupts"
Message-ID: <1301@ihuxe.UUCP>
Date: Mon, 19-May-86 11:04:59 EDT
Article-I.D.: ihuxe.1301
Posted: Mon May 19 11:04:59 1986
Date-Received: Fri, 23-May-86 05:22:01 EDT
References: <250@ski.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 33

> I have long been "troubled" by the SSC interrupt forwarding. The SSC
> manual mentions special switches on pages 8 and 24.
>
>   "Switch SW2-6 controls forwarding of interrupts to the Apple II.
>   Since the Apple II and II+ do not handle interrupts,
>   set SW2-6 OFF."
>
>   ...
>
>   ...   what is the possible function of this switch,
> and how would it be used?
>

The SSC generates an interrupt every time a character comes into the UART. The //e can handle interrupts, even though DOS doesn't. Pro-DOS does, however. Some terminal programs, such as "Ascii Express," handle interupts.

If you are running Pro-DOS, and write an appropriate interrupt handler, or if you are running a terminal program that handles interupts, you can turn the switch ON and have a better chance of not missing characters than if the program was forced to poll the SSC for an incoming character.

I can't use "Ascii Express" on my //e at 1200 baud or higher with the SSC interrupt switch off. When I turn it on, I can run up to 2400 baud without missing characters. Actually, I can run 4800 baud, but it's marginal.

Hope this helps,

John Opalko
AT&T Bell Labs
Naperville, IL
ihnp4!ihuxe!jgpo

From 6051626407877496408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6194f85c719d7663,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-19 14:57:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!panda!genrad!decvax!bellcore!
ulysses!mhuxr!mhuxn!ihnp4!cuae2!ltuxa!we53!wucs!wuphys!fek
From: fek@wuphys.UUCP
Newsgroups: net.micro.apple
Subject: MIDI for Apple IIe
Message-ID: <420@wuphys.UUCP>
Date: Mon, 19-May-86 17:57:14 EDT
Article-I.D.: wuphys.420
Posted: Mon May 19 17:57:14 1986
Date-Received: Sat, 24-May-86 05:37:49 EDT
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 10

Does anyone have any good recommendations for a MIDI interface for the Apple IIe that is reasonably priced. I have seen some in music stores but am unsure as to whether there is any real difference among them and suspect that the markup is quite high. Also, include any info on sequencer and control software. Thanks in advance.

Frank E. Kramer
Washington University
Dept. of Physics (wuphys)

From -6213205639491811622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,912af33d55224d83,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-19 15:05:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site noscvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Super serial card interupts
Message-ID: <488@noscvax.UUCP>
Date: Mon, 19-May-86 18:05:35 EDT
Article-I.D.: noscvax.488
Posted: Mon May 19 18:05:35 1986
Date-Received: Fri, 23-May-86 05:58:49 EDT
Reply-To: medin@.UUCP (Ted Medin)
Organization: Naval Ocean Systems Center, San Diego
Lines: 6

Sw 2-6 allows the super serial card to generate interupts on the]['s
and //'s. You have to give the proper commands to the ssc to have it generate
interupts when input/output is ready.
As i remember it a 4 to port $c08a+slot caused output interups and a 1 to the
same port caused input interupts.

From -1493795850338928008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-20 09:33:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!uwvax!puff!avery
From: avery@puff.UUCP (Slippery Jim)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM
Message-ID: <934@puff.UUCP>
Date: Tue, 20-May-86 12:33:59 EDT
Article-I.D.: puff.934
Posted: Tue May 20 12:33:59 1986
Date-Received: Fri, 23-May-86 22:49:56 EDT
References: <203@neoucom.UUCP> <3440@reed.UUCP> <566@pucc.BITNET>
Distribution: net
Organization: U of Wisconsin CS Dept
Lines: 22

This will be fairly short, as compared to the last few articles on the subject.
They have pretty much explained it the way I would. One note about the
difference between a][or][+ and a //e is that if, on a][or][+, you have
the upper 12k occupied by read-only RAM (tweaking $c080), and you hit reset,

the apple uses the RAM's version of the reset vector ($FFFE,$FFFF I think,
but I don't have my manuals any more) and will jump to whatever's in those
addresses no matter what. This was used for some hard reset trapping in the
old days. The //e, on the other hand, replaces the RAM with the ROM monitor
and basic whenever you hit reset. The normal address to have in the reset
vector is a RAM address to jump to. I believe this address is in page 3.
There's another vector next to the reset vector in the rom of interest to
some people -- the IRQ vector. This also normally holds a page 3 address,
which, I believe, on the][+, promptly returns. I once wrote an interrupt
driven terminal program for the][+ with the Novation Apple-Cat][modem
which can actually run in the background! It was very simple, and it took over
half of the screen, but you could be on a BBS and be editing and debugging
a basic program at the same time! Not bad for a 6502 based micro, huh?
Just a couple of thoughts. If you must reply, please use this address:

{seismo,ihnp4,allegra,topaz}!uwvax!gumby!bambam!pebbles!avery

as I'm no longer on puff.

From 1092146251364567588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-20 10:50:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!
ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Apple //x
Message-ID: <346@ius2.cs.cmu.edu>
Date: Tue, 20-May-86 13:50:31 EDT
Article-I.D.: ius2.346
Posted: Tue May 20 13:50:31 1986
Date-Received: Sat, 24-May-86 01:42:24 EDT
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 95

[from delphi mac digest]

>From: MOUSEKETEER (8207)
>Subject: Cortland???
>Date: 15-MAY 20:24 Hardware & Peripherals
>
>(from Computer+Software News, May 12 issue)
>
>Apple's 4 1/4 Mbyte Cortland to be most powerful pc yet
>
>Apple's long awaited IIx, the vendor's most powerful pc, is set to
>debut this fall with a suggested retail of $1,600, Apple sources
>revealed. The unit, along with the Mac Plus, one of six CPU's Apple is

>expected to introduce this year, will pave the way for price cuts on
>the IIc and IIe, allowing Apple to dominate this year's Christmas
>selling season, dealers maintain. The IIx, code-named Rambo by Apple
>insiders, is better known as "Cortland" to domestic third-party
>developers and "Zeus" to international developers, sources said. The
>Cortland features 256K RAM, expandable to 4 1/4 Mbytes....features an
>upgraded 65C02 chip, the 16-bit 65816, enabling the unit to run three
>times faster than the IIc or IIe at 3.6 Mhz....built in networking and
>Appletalk, a detachable keyboard, four expansion slots and built-in
>color graphics like the Atari ST and Commodore Amiga.&.impressive
>sound. The machine will reportedly be sold with unbundled drives,
>allowing users to configure units with hard disk drives. The article
>goes on to describe other Apple introductions expected in the next 12
>months, including an open-architecture Mac and VLSI IIe, the latter to
>be priced as low as $500 to schools. Two other CPU's are still under
>development, it continues. Compatibility or a "bridge" between the
>Cortland and Mac has not been decided, according to the story. It
>appears that while a "bridge" between the Cortland and Mac already
>exists at Apple (as a 3.5" disk drive and converter box) it may not be
>marketed if Apple believes it's release would strip market sales from
>the Mac (though the article states that if Apple doesn't market the
>bridge, a third-party developer probably would). Also, an IBM bridge
>is in the works for Cortland via a "small computer interface port".
>"Cortland was always intended to be Apple's most powerful product,
>insiders claim. It has been upgraded and redesigned three times over
>the past three years. The original machine and two of it's revisions
>are said to be the brainchild of Apple co-founder Steve Wozniak. The
>first unit was shown to dealers in 1983, as an 8-bit machine. Then, in
>April 1984, it was upgraded to a 16-bit, 256K RAM expandable to 1
>Mbyte - then to be the industry's first 1-Mbyte machine. However, the
>unit never made it to market, allegedly triggering Wozniak's departure
>from Apple."
>
>Alf
>

Sounds like an interesting machine, hopefully there will be a Mac-like
University discount program - I can get a Mac+ for $1500 and it includes
a monitor and disk drive. Speed seems comparable to the current machines
equipped with 'accelerator' (6502C or 65C02C) cards.

Slots:

I could live with only four slots if the machine already has 2 serial ports,
real-time clock, and mouse interface built in. Otherwise they're going
to need more slots. Here's how I'd use the four slots:
1) Expansion memory/bus expansion/experimentation
2) Mass Storage: SCSI/CBUS/floppy controller
3) 80286 coprocessor
4) 68020 coprocessor

IBM did the 'right' thing for the AT bus with regard to PC compatibility.
Apple could do the same thing and put the extra signals for the //x (8 more

address lines, etc) on an edge connector next to the Apple][bus connector.

=//x portion of bus=   ==Apple][bus (50 pin)=== (4 of these?)

This will cause mechanical problems with some cards, especially the PCPI AppliCard. One can use the same solution for //e auxiliary cards.

=//e auxiliary slot (62 pin)==   ==//x appendage==

Of course, this could get ridiculous if Apple comes out with a 32bit // and uses a 32bit bus. I expect future development will concentrate on merging Apple][and Mac product lines.
(Ever heard of the 310434 processor? [equals 65816+64180+68020+80386+32032]:-)

Software:

No mention of multitasking - even something as crude as using each 64K bank for an exising 'well-behaved' application would be useful.

This machine will have problems unless it is almost totally compatible with the][+ and //e. If Apple can combine Apple][compatibility, good graphics, multitasking, and the potential for Mac and PC emulation (presumably with 68020 and 80[23]86 co-processors) then nothing will stop it.
--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu   Phone: (412)CMU-BUGS

From 7087783320745983557
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-20 19:32:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!rochester!bullwinkle!uw-beaver!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: DOS, Applesoft, and the Moniter (~5 pages)
Message-ID: <3495@reed.UUCP>
Date: Tue, 20-May-86 22:32:11 EDT
Article-I.D.: reed.3495
Posted: Tue May 20 22:32:11 1986
Date-Received: Sat, 24-May-86 05:21:57 EDT
References: <3440@reed.UUCP> <203@neoucom.UUCP> <2620@sdcc6.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 99

In article <2620@sdcc6.UUCP> ix742@sdcc6.UUCP (James Hayes) writes:

>wtm@neoucom.UUCP (Bill Mayhew) writes in article <203@neoucom.UUCP>:
>
>>   ..... DOS links into
>>BASIC's "charget" routine. To save time, dos ingores everything
>>until it detectes a carriage return followed by control-D in the
>>input stream, it then parses the line until the next return comes
>>up. Charget is a short subrountine that is stored in page zero,
>>beginning at $39 (I think, but check the "Applesoft Programmer's
>>reference manual" to be sure.)
>
>Nope. DOS never looks at CHARGET. DOS looks at the KEYboard INput
>(KEYIN) vector. This lies at $38/$39 (Low/High) and contains the
>address of the routine that reads from the keyboard. KEYIN is used
>to monitor what you type. I.e. "CATALOG".
>
>DOS also looks out Character OUT (COUT $36/$37) for the routine to
>listen to the output of BASIC, etc.. It looks for commands like
>"OPEN", "CLOSE", "CATALOG" that are preceded by <CR>^D{command}.
>This is how BASIC works with DOS.
>
>I can't remember the charget address off hand, but I beleive it
>lives near $10-$20.
>
>>   I've found the best way to take over control from DOS is
>>to attack DOS itself. If I remember right, you can steal contol
>>back by planting you vector in dos somewhere around $AA65.
>>Disassemble DOS, and look for the vector that points to the input
>>routine in the monitor ROM. I've used this approach to add
>>a keyclick subroutine.
>
>A slightly more portable way to do this is the following:
>
>Set up the addresses of the input/output hooks to point to your
>routines, and then ask DOS to connect them for you. This is done
>by calling the DOS reconnect vector at $3EA. This will automatically
>modify DOS's internal vectors for you. This is more reliable, for
>different DOS versions might have different internal vectors. $3EA
>will always set them properly.
>
>
>I hope I haven't created more confusion than I've gotten rid of...
>--
>Jim Hayes, UCSD EE/CS Department.
>ARPA: hayes@UCSD.EDU
>UUCP: {ihnp4, gatech, ucbvax, decvax, etc.}!sdcsvax!hayes

OK. DOS grabs both CWSL and KWSL when it boots. It stores the pointers
internally, then puts pointers to it's own routine. If you look at
the source for the ROM, you'll find the COUT simply JMP's to
CWSL($36-37). Likewise, KEYIN JMP's to KWSL ($38-39). Upon power up,
these are set to COUT1 and KEYIN1, respectively. When you go into BASIC
(from the moniter) they point somewhere in the $D000-$F7FF range. (I
hope, I hope :-). When DOS has them, it looks for that good ol' CR ^D

combo. If it doesn't find it, it goes to BASIC. If BASIC doesn't find something of interest, it goes to the Moniter. If IT doesn't find something of use, error. An error can occure anywhere, like in spelling ;-). Anyway, that's what happens when you're staring at the screen after booting a disk. Now, about CHARGET and CHARGOT. They start at $B1 and I can't remember exactly what CHARGOT does, but who cares? CHARGET is only used from a running AppleSloth program. What it does is get the next character in the PROGRAM!, not from the keyboard. A good place to get a sidewise view of it is in "Now That You Know Assembly Language, What Can You Do With It?", which was recommender here a few weeks ago. It really is worth buying (though it did take a while for me to buy it). Anyway, this sets a pointer called something like EVAL or somesuch to the next byte of the code. CHARGET is called by Applesoft when it wants the next token. This is handy, as when you use the amper routine, you can call CHARGET to point to what's after the &, and if it's, say, in quotes, print it. Which brings me to printing from AppleSloth. When you say 10 PRINT "HELLO" AppleSoft simply calls COUT to print what's in the quotes. Hence, if you have ^M^D imbeded in the quotes, DOS will see it.

Another fun thing to do is this:

```
10 PR#1
20 call 1002
```

This is the same thing as changing the output hooks, and reconnecting DOS (1002 = $3EA). Sometimes it's handy to have DOS turned off from a program. PR#1 PR#0 will do it. THen before your routine exit, it can call 1002. Three invaluable things to have when you start mucking around with this stuff. Beneath Apple DOS (Worth and Lechner), DOSSOURCE (unknown. It's DOS Disassmbled for Lisa, completely commented) and , well, MERLIN assembler has a routine to generate a commented listing of BASIC. A very handy thing to have. Also of mention, the Apple Reference Manual (with source code), the Apple Gazetteer (I TOLD you I can't spell!) and Atlas, and every useful book on assembly language, like "Now That You Know Assembley..."

Any specific questions, write me. I now have the time to think about these things...

Sean Kamath

ihnp4,decvax,ucbcad!tektronix!reed!kamath

p.s. I hope I haven't confused things even more!

From -8159964016841489154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a71d15767221058,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-20 23:28:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!linus!philabs!cmcl2!harvard!seismo!rochester!bullwinkle!uw-beaver!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: the new 16-bit apple II
Message-ID: <3501@reed.UUCP>
Date: Wed, 21-May-86 02:28:42 EDT
Article-I.D.: reed.3501
Posted: Wed May 21 02:28:42 1986
Date-Received: Sat, 24-May-86 05:20:57 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net.micro.apple,net.rumour
Organization: Reed College, Portland, Oregon
Lines: 59

I was just reading the May 19th issue of InfoWorld and in Dvorak's column "Inside Track" he talks about the new Apple][. He calls it a][GS and says this:

> The best discription of the new 16-bit Apple II is that it will be a Macintosh clone before all is said and done. It's dubbed the Apple IIGS. The GS stands for graphics and sound. I think it should be have been named the GSX for graphics, sound, and extensibility or something. GSX sounds better.
>
> Anyway, the new machine, which will be packaged in an Apple IIe case, will be powered by the 65816 chip. It has a new sound chip to deliver Maclike sound. It comes with 256K of memory, expandable to a megabyte, 128K or read-only memory, and 16 or more colors at once in normal resolution and four colors in 600-by-200 high resolution.
>
> There is a Macintoshlike interface that I'm told is everything the Mac is and more! Moore is spelled C-O-L-O-R. We'll see.
>
> J.C.Dvorak

well.

Where did this guy hear about all this. It seems like it's due out in early '87. What really beeps me about this, if true, is the constant comparison to the Mac. I mean, I work with Macs EVERY DAY! I'm typing on a Mac right now. They're just not as good as a //e. (I couldn't care less what anyone has to say about that. 8-bit ancient architecture and all, it's still years ahead of the Mac.) I have great fears that Apple will try to force on us happy hackers such abominations as having to boot in order to use the damn thing, removing teh cassette interface, and, great will be my sorrow, these friggin horses ass windows! Sure< I like a mouse once in a while, usually for graphics, now and then for selecting blocks in word processing, but I HATE MENU BARS!!!! yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk yuk...

ANYWAY!

Has anyone heard more about this???? Hmmmmm. I wanna try one out when they show up.

Sean Kamath

ihnp4,decvax,hplabs,ucbcad!tektronix!reed!kamath

if anyone has the increadible urge to refute the //e's clear superiority, please post to the appropriate news group! Better yet, e-mail me.

Discaimer: Yeah, reprinted without permission, but how could I convey the essence of what is going on without distorting it beyond comprehension without quoting him? I know nothin' and I don't work for anyone (yet.)

cut me some slack, my cat went to NJ for the next three months. I'm lonely.

From -2008687818765673936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,460e3daf4683142,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-21 12:31:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!think!ejb
From: ejb@think.ARPA (Erik Bailey)
Newsgroups: net.micro.apple
Subject: Modem MGR -- any good?
Message-ID: <5218@think.ARPA>
Date: Wed, 21-May-86 15:31:10 EDT
Article-I.D.: think.5218
Posted: Wed May 21 15:31:10 1986
Date-Received: Sat, 24-May-86 01:20:30 EDT
Reply-To: ejb@godot.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 16

<--MUNCH MUNCH-->

I noticed an ad in Nibble Magazine for Modem MGR (page 38 of vol 7/# 6) and I was wondering if anyone knows anything about it. I currently use Ascii Express vers 4.30P and I'm particularly interested as to how Modem MGR stacks up against it.

thanks --Erik
--

Erik Bailey -- 7 Oak Knoll (USENET courtesy of
ihnp4!think!ejb Arlington, MA 02174 Thinking Machines Corp.
ejb@think.com (617) 643-0732 Cambridge, MA)

It takes thought to make a program that thinks.
But it takes work to make a program that works.

From -1263669929849470100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-21 18:39:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version P 1.00 3/01/86; site pucc.BITNET
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!puvax2!pucc.BITNET!
6101695
From: 6101695@pucc.BITNET (Raymond Chen)
Newsgroups: net.micro.apple
Subject: Re: ROM to RAM (really ProDOS and CHARGET)
Message-ID: <608@pucc.BITNET>
Date: Wed, 21-May-86 21:39:58 EDT
Article-I.D.: pucc.608
Posted: Wed May 21 21:39:58 1986
Date-Received: Sat, 24-May-86 21:15:44 EDT
References: <2620@sdcc6.UUCP> <3440@reed.UUCP> <203@neoucom.UUCP>
Reply-To: 6101695@pucc.BITNET
Distribution: net
Organization: Princeton University Computing Center
Lines: 25

hayes@UCSD.EDU (Jim Hayes) says in <2620@sdcc6.UUCP>

> . . . I beleive
>PRODOS modifies CHARGET to look for HGR, HGR2, LOMEM, HIMEM and the
>like, so it can modify it's on memory map.
>
Pre-releases of ProDOS may have twiddled with CHARGET, but the
current release does not, as far as I can tell. The Apple people
decided to use the TRACE flag to keep tabs on Applesoft. TRACE is
always ON, but ProDOS watches COUT for a '#', traps it, and does its
own pre-line processing. One thing I know it does is count the number of
assignment statements. When it hits a certain number (determined by
the amount of FREe memory), ProDOS executes its own fast-FREe routine
so Applesoft never uses its (slow) FREe routine. It probably does
other stuff, but I didn't bother to disassemble it that much.

>I can't remember the charget address off hand, but I beleive it
>lives near $10-$20.

CHARGET hangs out at $B1. CHRGOT re-fetches the last token ($B7)
and TXTPTR ($B8, $B9) points to the current token.

Now I KNOW that I've confused the matter beyond recognition.
(What was the original topic again?)
Raymond Chen, BITNET: 6101695@PUCC   "Don't look at me. I'm new here."

From 1799276420354186490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96c43ca087dbab4c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-21 18:43:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site excalibur.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!vu-vlsi!excalibur!
188622462
From: 188622462@excalibur.UUCP (Greene T Richard)
Newsgroups: net.micro.apple
Subject: "kermit request"
Message-ID: <30@excalibur.UUCP>
Date: Wed, 21-May-86 21:43:02 EDT
Article-I.D.: excalibu.30
Posted: Wed May 21 21:43:02 1986
Date-Received: Sat, 24-May-86 22:18:26 EDT
Distribution: net
Lines: 23

HELP!!!

Recently, somebody posted a set of source codes for Kermit. I had
not bothered to extract them, due to lack of disk space on my account.
Now, someone here got around to purging all old articles (more than two
weeks old) and I no longer have these important codes. Could whoever has
the latest version please e-mail it to me? I have the patch that was just
posted, so let me know if that has been implemented on your copy or not.

Thanks in advance,
--

Rick Greene
(take your pick)   ...!psuvax1 -\
                    ...!sdcrdcf --\
                                   ---- !burdvax --\
                    ....!sjuvax --/   \
                    ....!bpa -/   \
                                        !hutch ---------- !excalibur!188622462
                                                         /
                    ...!psuvax1 --\   /
                    .....!pyrnj ------- !vu-vlsi --/
                    ....!cbmvax --/

From 4495120735388344696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-21 19:41:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!
tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //x (or Why I Hate Macintoshes [longish])
Message-ID: <3511@reed.UUCP>
Date: Wed, 21-May-86 22:41:26 EDT
Article-I.D.: reed.3511
Posted: Wed May 21 22:41:26 1986
Date-Received: Sat, 24-May-86 20:11:55 EDT
References: <346@ius2.cs.cmu.edu>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 121
Keywords: Apple, Macintoshes, yuk.
Summary: The Apple //x is not a Mac

In article <346@ius2.cs.cmu.edu> ralphw@ius2.cs.cmu.edu (Ralph Hyre) writes:
>[from delphi mac digest]
>
> [deleted]
>
>Sounds like an interesting machine, hopefully there will be a Mac-like
>University discount program - I can get a Mac+ for $1500 and it includes
>a monitor and disk drive. Speed seems comparable to the current machines
>equipped with 'accelerator' (6502C or 65C02C) cards.
>
>Slots:
>------
>I could live with only four slots if the machine already has 2 serial ports,
>real-time clock, and mouse interface built in. Otherwise they're going
>to need more slots. Here's how I'd use the four slots:
>1) Expansion memory/bus expansion/experimentation
>2) Mass Storage: SCSI/CBUS/floppy controller
>3) 80286 coprocessor
>4) 68020 coprocessor
>
> [more stuff about what's 'right'...]
>
>This machine will have problems unless it is almost totally compatible with
>the][+ and //e. If Apple can combine Apple][compatibility, good graphics,
>multitasking, and the potential for Mac and PC emulation (presumably with
>68020 and 80[23]86 co-processors) then nothing will stop it.
>--
>   - Ralph W. Hyre, Jr.
>
>Internet: ralphw@c.cs.cmu.edu   Phone: (412)CMU-BUGS

Now I don't mean to demean the author of this article, but I feel some

things need to be said. For one thing, why have 2 coprocessor cards? Leave only one slot for expansion/interfacing? No way. Apple should stick with at least 6 slots. I use all of them, with a couple of cards having to swap every now and then, since the third slot has problems. I agree that it will have serious problems unless it's close to completely compatable. But why have Mac emulation? Who WANTS to deal with either MS-DOS or the like? Frankly, ProDOS was close enough for me.

I get so sick of people comparing the new //x or any other][to a Mac. They are not meant to be the same machine. Like that Mr. Dvorak said. He feels that the //x is going to be nothing but a Mac clone. Bull. How could it be? If all that the //x is going to have going for it over a Mac is color, then Apple would make a color Mac. The basic idealogical differences between the Mac and the][line is that one is ment to be used, the other to be worked on. i.e. the Mac is for non-technically oriented people to work with, either word-proccessing or desktop publishing and the like, the][s are for programming, learning, expiremental interfaceing, etc. Have you every tried to hook a Mac up to the outside world? The world is NOT serial, and it can be one hell of a bitch to have to convert EVERYTHING to serial so that the Mac can even look at it. I mean, even getting the mac to work in color takes another $2000 computer and a dedicated software program.

I for one don't want to have to wait for my computer to boot up, then wait for an application to load in order for me to plot a simple graph, or make some noise, or even call up the VAX and get going. Try that with a Mac. Turn it on. What can you do? Enjoy that question mark. Apple can't get away from the ease of use of the Mac, granted, but they still have to put things in for the programmers. Have you ever hit the 'interrupt' switch on a Mac+? You get an interger prompt. Then type "DM". It dumps memory. Type "G" to continue. A friend of mine sunk his teeth into this, and found out that if you can find the pointers to the finder, put them in the right place, you can return to the finder even if a program crashes. Then you might be able to save some of it. Anyone who programs in machine language on a][knows that it is very easy to recover a lot of a text file or other data when the machine bombs, and usually you can get back into the application. No stupid dialog box. It's so frustrating to see that "continue" button and not be able to click on it.

Have you ever tried to recover a disk for the Mac? I do all the time (my job). It's a pain in the butt! On a][give me ten minutes and I can recover everything recoverable...

Anyway, enough about why I hate Macs. Apple shouldn't try to make a Mac out of a][. It won't work. It won't sell. I realize right along with everyone else that the Apple //e is due for some revamping and increased power. But the way some people talk, you'd think they'd be satisfied with nothing less than a MicroVax. It won't happen guys. You can't buy a $500 '67 Chevy and turn it into a $100,000 Masarati. Not for anything less than $200,000. You can come close, but why bother? I agree, the][line is not the most powerful every concieved, but it's not supposed

to be. Sure, I often have to use, horror or horrors, line numbers when I program. Yeah, I don't have octuple precision numbers. But so what? I don't want Maclike windows. I hate them. I don't want to have to rely on the mouse to get stuff into the computer, or to select options. Despite what whatshisface (was it that pinhead Dvorak again?) said in MacUser about "FKeys", which he described as any key typed in conjuction with the "command" key (or contol for us old-time folks), I feel that it is impossible to display every option of a program through those idiotic pull doen or pull up menus. I mean, it's a real pain to have to pull down one menu, let alone to have to pull own a menu, select another menu, then make the choice, as in MS Word (to select Formats and then set tabs, etc.). He kept asying that Mac users don't want these, and that Programmers are ruling us all by forcing the issue. Well, whoever you are (I can't find the MacUser right now), if teh programmer wants something in his or her program, they're going to put it in, no matter what you say. They may add things they don't want, but they ain't gonna take out something they want in.

Well, I just reread all this, and I haven't really said a whole lot except I hate Macs. I have left out a lot of the pro side of macs, like graphics and animation (when done correctly, not sloppily). I just wish people would stop comparing the Mac to the //x. Windows are alright in certain applications, but not all the time. Mice are fine for certain applications, but not all the time. I don't need desk accesories. I hope the people at Apple realize that not everyone yearns for Maclike capabilities on Apple]['s.

send flames to:

          Sean Kamath
UUCP: {ihnp4,decvax,hplabs,ucbcad}!tektronix!reed!kamath
US Snail: Box 395 Reed College
          Portland, OR 97202
Phone: (503) 239-7458

p.s. Sorry it was so long, I just get into these moods...

From 2581090801657400347
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84db120d8cb44432,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-22 05:27:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!duke!cds
From: cds@duke.UUCP (Craig D. Singer)
Newsgroups: net.micro.apple
Subject: Apple //e --> //x (question)
Message-ID: <7251@duke.UUCP>
Date: Thu, 22-May-86 08:27:19 EDT
Article-I.D.: duke.7251
Posted: Thu May 22 08:27:19 1986
Date-Received: Sat, 24-May-86 05:48:25 EDT

Organization: Duke University
Lines: 16

I am curious whether anyone knows if it will be possible for //e owners to upgrade their machines (at least partially) to the //x. Clearly a //e has a permanently attached keyboard and nothing short of a buzzsaw will change that. But perhaps the chips can be dropped in place like so many pieces in a jigsaw puzzle, giving the //e the speed and graphics of the //x. Maybe even the sound potential can be upgraded somehow...? It seems pointless to talk of selling a //e and then buying a //x, since once the //x is here, the price of a new //e will be so low that I will have to pay someone to take my used one away.
--

Craig D. Singer, Dept. of Computer Science, Duke University
Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
CSNET: cds@duke   UUCP: ...!decvax!duke!cds
ARPA: cds%duke@csnet-relay

From -980731036590676939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84db120d8cb44432
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-23 11:45:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!pesnta!
hplabs!hp-sdd!ncr-sd!sdcsvax!sdcc6!sdcc7!ln63spa
From: ln63spa@sdcc7.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e --> //x (question)
Message-ID: <379@sdcc7.UUCP>
Date: Fri, 23-May-86 14:45:23 EDT
Article-I.D.: sdcc7.379
Posted: Fri May 23 14:45:23 1986
Date-Received: Mon, 26-May-86 01:09:57 EDT
References: <7251@duke.UUCP>
Reply-To: ln63spa@sdcc7.UUCP (Grobbins)
Organization: U.C. San Diego, Academic Computer Center
Lines: 4
Summary: Upgrades for all Apple][versions

Of course, Apple will allow me to upgrade my 64k Apple][to a //x (:-)
(Apple I owners already had their chance for a tradein.)

Grobbins.

From 2838918808586534515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-05-23 23:23:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!prls!pyramid!nsc!curry
From: curry@nsc.UUCP (Ray Curry)
Newsgroups: net.micro.apple
Subject: Re: Apple //x
Message-ID: <3602@nsc.UUCP>
Date: Sat, 24-May-86 02:23:22 EDT
Article-I.D.: nsc.3602
Posted: Sat May 24 02:23:22 1986
Date-Received: Sun, 25-May-86 15:43:21 EDT
References: <346@ius2.cs.cmu.edu>
Reply-To: curry@nsc.UUCP (Ray Curry)
Distribution: net
Organization: National Semiconductor, Sunnyvale
Lines: 11

Actually I had to put in 1.5 cents worth. I won't speculate on the new
machine other than to say there is some truth and some untruths in the
news. The point about Woz and the II x is a little off base. Two years
ago, the IIx was planned based upon a 6 month first silicon working
super chip that was both 6502 and 68000. Management and surely Woz himself
had a very optimistic outlook on life. The realization that working on
such a project at that time was premature is what killed the IIx. That
could have contributed to Woz's departure even from just the standpoint
of there not being anything to do until such a chip was really available.

Disclaimer: I know nothing... I see nothing...

From -7049370219769179427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a228641b0bc7ce8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-24 05:20:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!ecsvax!alford
From: alford@ecsvax.UUCP (Ross Alford)
Newsgroups: net.micro.apple
Subject: Apple comm card question
Message-ID: <1608@ecsvax.UUCP>
Date: Sat, 24-May-86 08:20:18 EDT
Article-I.D.: ecsvax.1608
Posted: Sat May 24 08:20:18 1986
Date-Received: Sun, 25-May-86 15:43:53 EDT
Distribution: net
Organization: Duke University Zoology
Lines: 19

I have an ancient Apple communications card, the one that only supports
two baud rates at a time. I've been using it for some time with it
jumpered to run at 300/1200 baud rather than the original 110/300.

I recently tried to set it up for 1200/4800, following the directions
in the user manual, and it just doesn't work at either baud rate.
The computer locks up and needs to be reset after accessing the card.
(and that is using a program that does I/O by bypassing the card's
onboard software). I've checked the wiring several times, and even
redid it, with no success. I seem to recall reading somewhere, maybe
in a magazine or in the Apple technical notes that used to be
distributed to user groups, that there is an error in the wiring
diagram for this jumpering scheme, but I can't find any such reference.
Does anyone have any experience with this? Any help will be greatly
appreciated.

Thanks,
Ross Alford
   ...mcnc!ecsvax!alford

From 3749217467916421002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84db120d8cb44432
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-24 23:30:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!
tektronix!reed!kamath
From: kamath@reed.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e --> //x (question)
Message-ID: <3533@reed.UUCP>
Date: Sun, 25-May-86 02:30:34 EDT
Article-I.D.: reed.3533
Posted: Sun May 25 02:30:34 1986
Date-Received: Mon, 26-May-86 06:42:38 EDT
References: <7251@duke.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 32

In article <7251@duke.UUCP> cds@duke.UUCP (Craig D. Singer) writes:
>I am curious whether anyone knows if it will be possible for //e owners to
>upgrade their machines (at least partially) to the //x.
>
>Craig D. Singer, Dept. of Computer Science, Duke University
>Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
>CSNET: cds@duke   UUCP: ...!decvax!duke!cds
>ARPA: cds%duke@csnet-relay

Don't quote me on this because it's from memory, but I believe in the
last issue of InfoWorld Mr. Dvorak mentioned that you could upgrade from
the //e to the //x for around $800. From what I understand, the //x
will be housed in the same case (I don't know about the detachable
keyboard) and all that if required is a motherboard swap. This is
because it will contain dedicated graphics and sound chips, or so I

think. The //e will be dropped in price for good sales in december, and the new //e's will use VLSI technology to further reduce the number of chips on the motherboard.

Sean Kamath

UUCP {ihnp4,decvax,ucbcad,hplabs}!tektronix!reed!kamath

US Snail: Box 395 Reed College,
           Portland, OR 97202
           (503) 239-7458

Don't know nuthin', just repeating what I think I might have heard...:-)

From 6571533987670383578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-26 21:22:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!seismo!cmcl2!philabs!ron1!polyof!polyob!julerio1
From: julerio1@polyob.UUCP (A1 jose ulerio1)
Newsgroups: net.micro.apple
Subject: Re: Re: Apple //x (or Why I Hate Macintoshes [longish])
Message-ID: <160@polyob.UUCP>
Date: Tue, 27-May-86 00:22:31 EDT
Article-I.D.: polyob.160
Posted: Tue May 27 00:22:31 1986
Date-Received: Sat, 31-May-86 06:45:11 EDT
References: <346@ius2.cs.cmu.edu> <3511@reed.UUCP>
Organization: Polytechnic Inst. of NY, Brooklyn NY
Lines: 42

> I myself don't really hate Macs, they do have their place, but not on MY desk. The Macintosh was birthed more from the ego of Steven Jobs rather than from a need to compete with IBM in the big business market, in my opinion. But let me express a point I'd like to make before the assembled flames of netdom descend upon me...
>
> Steve Wozniak is reputed to have been the chief guiding force behind the //x (as well as chief designer & guru), which makes me just a bit optimistic about it. Actually, more than that, quite enthused. Why? Let your mind drift back to the days of the first home micros, when IMSAIs and Altairs roamed the land. Woz designed the II more as a hobbyist's tool than anything else. He wanted it to have more built-in features and flexibility than anything else on the

market. And this he did quite sucesssfully. The][, in its Integer and][+ configurations knocked the socks off of anything else currently available then. He gave the micro owner hi-res graphics with control from Basic, the first home disk operating system, and near unlimited expandability and direct access to the system bus. At that time, about the only things arond that came close were PETs and Model I's with text graphics. Disk drives were mystical devices that previously only cohabitated with mainframes, and no one else even thought about expansion past that of main memory, and maybe an RS-232. To paraphrase Don Lancaster, the][series was (and still is in my opinion) the "DC-3's" of computerdom. Now just imagine, the same guy capable of giving you HGR stuff with $1.97 in extra chips instead of a costly graphics coprocessor, behind the design of a 16-bit micro for today. Who knows what he's managed to cobble into the][this time? The man is an EE genius.

So, I sit and wait patiently for the first units to arrive in the stores and for Apple to raise its self-imposed gag on //x propoganda, but for a good cause.

I'm not expecting something an Amiga in a // case, but whatever's in there should be more than adequate for most people's purposes.

Jose M. Ulerio
Department of Transportation Planning and Engineering
Polytechnic University, Bklyn, NY

-> philabs!ron1!polyof!polyob!julerio1

From -1820697778668282811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd20ee8e478517b3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-26 23:09:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!ucbvax!sdcsvax!
sdcc6!sdcc3!ma168aaq
From: ma168aaq@sdcc3.UUCP
Newsgroups: net.micro.apple
Subject: What's the apple2x?
Message-ID: <3365@sdcc3.UUCP>
Date: Tue, 27-May-86 02:09:09 EDT
Article-I.D.: sdcc3.3365
Posted: Tue May 27 02:09:09 1986
Date-Received: Thu, 29-May-86 01:55:55 EDT
Organization: U.C. San Diego, Academic Computer Center
Lines: 5

Can anyone tell me more about the 'new' apple computer
called the 2x.

thanks

Daniel T. Lau

From 7346925550688394495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fcdf73ee4ac2eee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-28 14:33:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!think!ejb
From: ejb@think.COM (Erik Bailey)
Newsgroups: net.micro.apple
Subject: Ack! KERMIT...
Message-ID: <5319@think.COM>
Date: Wed, 28-May-86 17:33:40 EDT
Article-I.D.: think.5319
Posted: Wed May 28 17:33:40 1986
Date-Received: Fri, 30-May-86 05:51:44 EDT
Reply-To: ejb@godot.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 13

Life sucks. Then your line is eaten... :-(

Good god, I don't believe this. I was the original person
requesting Kermit. Our site was off the newsnet for Memorial
day weekend, and I get on and it looks like during that time
Kermit sources were posted. IF this is so (and I do hope it
is) would someone mind mailing them to me? Thanks a LOT...

PS -- a friend of mine is working on a new term program,
that will hopefully incorporate kermit, xmodem, ymodem (?),
and maybe even that neat new zmodem protocol. It'll be PD,
so I could post it when (if?) it ever gets done... --Erik

From -6418952654779009167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b3562e8ecfd5734,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-28 14:37:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!think!ejb
From: ejb@think.COM (Erik Bailey)
Newsgroups: net.micro.apple
Subject: Double Ack! KERMIT -- .signature
Message-ID: <5320@think.COM>
Date: Wed, 28-May-86 17:37:10 EDT
Article-I.D.: think.5320
Posted: Wed May 28 17:37:10 1986
Date-Received: Fri, 30-May-86 05:52:26 EDT

Reply-To: ejb@godot.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 12

Pain! Line-eater, end my misery!

Egads! Now, after all my troubles, my blasted .signature didn't
work! Well, here it is, and sorry about that...

Erik Bailey   -- 7 Oak Knoll   (USENET courtesy of
ihnp4!think!ejb   Arlington, MA 02174   Thinking Machines Corp.
ejb@godot.think.com   (617) 643-0732   Cambridge, MA)

        It takes thought to make a program that thinks.
        But it takes work to make a program that works.

From -2881106178065672621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96c43ca087dbab4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-28 16:51:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site noscvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Re: "kermit request"
Message-ID: <499@noscvax.UUCP>
Date: Wed, 28-May-86 19:51:34 EDT
Article-I.D.: noscvax.499
Posted: Wed May 28 19:51:34 1986
Date-Received: Fri, 30-May-86 06:43:05 EDT
References: <30@excalibur.UUCP>
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 26
Keywords: kermit

In article <30@excalibur.UUCP> 188622462@excalibur.UUCP writes:
>HELP!!!
>
>Recently, somebody posted a set of source codes for Kermit. I had

 Dont know if this is what you want but:
 You can get everything we have done by ftping to "shark" sign on
as anonymous and get these files:
 ker*mit.applek3m65   - the source for the main routines
 ker*mit.p459comsrc   - the source for the com cards
 ker*mit.kermit65doc   - the updated documentation

-------- the following files are what we put to the net for beta test ------
 ker*mit.p159doc   - documentation for installation and differences
 ker*mit.p259mainhex   - part1 of the main routines hex
 ker*mit.p359mainhex   - part2 of the main routines hex
 ker*mit.p459comsrc   - source for the com cards
 ker*mit.p559sschex   - super serial card's hex
 ker*mit.p659msvhex   - microtek card's hex
 ker*mit.p759hmmhex   - hayes micro modem card's hex

Let me know if I can be of any help.
 I dont know how your ftp is but we have to watch out for those
special characters in the file names.

 Watch out for #1 & #3 they are very large.
                    Ted

From -5494057198289530278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4cf531be984424d6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-29 07:47:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!topaz!uwvax!uwmacc!
dan
From: dan@uwmacc.UUCP (dan jatnieks)
Newsgroups: net.micro.apple
Subject: Apple Pascal & Assembly - Expert Help Needed
Message-ID: <2236@uwmacc.UUCP>
Date: Thu, 29-May-86 10:47:44 EDT
Article-I.D.: uwmacc.2236
Posted: Thu May 29 10:47:44 1986
Date-Received: Sat, 31-May-86 05:43:11 EDT
Distribution: net
Organization: UWisconsin-Madison Academic Comp Center
Lines: 90

*** This line reserved for a future use as yet unrevealed to me ***

   For the past several months I have been using Apple's UCSD Pascal system to write a program that has several routines written in Assembler. The assembler part is basically an interface to the Apple's graphics routines in the Applesoft ROM. Currently there are about 10 assembly ".PROC"'s some of which are for high res. and the others for low res. I haven't found the Apple manuals to be very useful in the area of calling assembly routines, and have the following questions about it:

   1. I haven't found a good way to share data (labels) between two or more ".PROC"'s. Supposedly, using ".DEF" and ".REF" will make a label globally available, but I had problems with this. If the routine in which the label is defined is *not* the first routine (sequentially) that uses it it seemed to assemble and link o.k., but it wouldn't run correctly. The only way it will run correctly is if the label is defined

in the first routine that uses it. i.e. (NOT a literal example)

```
This works:       .PROC R1     This doesn't:      .PROC R1
                  .DEF labl                       .REF labl
                  LDA labl                        LDA labl
                  RTS                             RTS
            labl: .BYTE 1

                  .PROC R2                        .PROC R2
                  .REF labl                       .DEF labl
                  LDA labl                        LDA labl
                  RTS                             RTS
                                            labl: .BYTE 1
```

There is no mention of this in the manual, and besides causing me headaches, doesn't seem reasonable. I can work around it, but when a variable (label) inherantly belongs in a routine I would rather not move it just because that routine is not first. Has anyone else run into this problem? What is the cause? Is there a better solution?

2. I tried to write a Pascal program that would test all of the assembly routines that I wrote. In this program all the assembly routines were declared as "EXTERNAL". Compiling this program kept giving me a very cryptic "Stack Overflow" message followed by a reboot. Eventually I removed some of the "EXTERNAL" declarations, and presto! it worked. It apparently wasn't just because there were too many "EXTERNAL" declarations, because there is a different error message for that. Why would just declarations cause a stack overflow? There were maybe ten "EXTERNAL"s and two other Procedures (both small), and I can't imagine that much stack space would be needed during such a small compilation.

3. Does anyone know of a GOOD technical manual about Apple Pascal and using assembler from it?

[If anyone is interested enough, I can mail the actual code. It's small and might help to understand the problem. I would send a version that works and a version that doesn't to compare. I'm not crazy about doing it, and it might be hard to explain (via written word) what each part does, but I'll try.]

What I am trying to do is not that difficult or complicated. The Pascal assembler seems to be overly restrictive about many things. If I could use my MERLIN assembler, I could finish it in an hour or two. Does anyone know if there exists an assembler that can produce relocatable code compatable with Apple Pascal? The whole process is agonizingly slow under Pascal, and I would love to do it some other way.

Does anyone have any experience with the new PRODOS version of Apple Pascal that I hear about every now and then? Is it compatable with code from the UCSD version? More importantly, is the assembler better?

Thanks in advance for any help or suggestions.

--danj.

--

"How often have I said to you that when you have eliminated the impossible,
 whatever remains, however improbable, must be the truth"
               -- Sir Arthur Conan Doyle

dan jatnieks

Univ. of Wisconsin - Madison C.S. Dept.
Univ. of Wisconsin - Madison Academic Computing Center (MACC) Micro Consultant

UUCP :   ...{allegra,ihnp4,seismo}!uwvax!uwmacc!dan
ARPA :   dan@easter

USMAIL: Work - c/o MACC-MIC   Home - 1301 Spring St.
                  1210 W. Dayton   Apt.#601
                  Madison, WI 53706   Madison, WI 53715
                  (608) 263-7744   (608) 251-6302

From -5092799837226203617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-30 11:01:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!
ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: Apple //x (or Why I Hate Macintoshes [longish])
Message-ID: <1002@ius2.cs.cmu.edu>
Date: Fri, 30-May-86 14:01:14 EDT
Article-I.D.: ius2.1002
Posted: Fri May 30 14:01:14 1986
Date-Received: Sun, 1-Jun-86 07:48:09 EDT
References: <346@ius2.cs.cmu.edu> <3511@reed.UUCP>
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 63
Keywords: Apple, Macintoshes, yuk.

In article <3511@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
>In article <346@ius2.cs.cmu.edu> ralphw@ius2.cs.cmu.edu (Ralph Hyre) writes:
>>to need more slots. Here's how I'd use the four slots:
>>1) Expansion memory/bus expansion/experimentation
>>2) Mass Storage: SCSI/CBUS/floppy controller
>>3) 80286 coprocessor
>>4) 68020 coprocessor
>>

>> [more stuff about what's 'right'...]
>>
>>This machine will have problems unless it is almost totally compatible with
>>the][+ and //e. If Apple can combine Apple][compatibility, good graphics,
>>multitasking, and the potential for Mac and PC emulation (presumably with
>>68020 and 80[23]86 co-processors) then nothing will stop it.
>>--
>>   - Ralph W. Hyre, Jr.
>>
>>Internet: ralphw@c.cs.cmu.edu   Phone: (412)CMU-BUGS
>
>Now I don't mean to demean the author of this article, but I feel some
>things need to be said. For one thing, why have 2 coprocessor cards?
>Leave only one slot for expansion/interfacing? No way. Apple should
>stick with at least 6 slots. I use all of them, with a couple of cards
>having to swap every now and then, since the third slot has problems.
>I agree that it will have serious problems unless it's close to
>completely compatable. But why have Mac emulation? Who WANTS to deal
>with either MS-DOS or the like? Frankly, ProDOS was close enough for
>me.
Fine, but you're not Apple's only customer. I want to run MS-DOS software
like the Fido BBS system without having to buy another computer. I want
to be able to run Mac software. If the Apple //x with coproessor cards is
the best vehicle for this sort of activity why are you flaming me?
I'd be happier if the next Apple][had more than 4 slots, but if that's what
they're really offerring then I was just imagining how I'd like to use them.

>I get so sick of people comparing the new //x or any other][to a Mac.
>They are not meant to be the same machine. Like that Mr. Dvorak said.

I wasn't comparing it to a Mac, but Apple needs to think about merging the
Mac and Apple][product lines as well as living in a MS-DOS and Unix world.
If they can do it with coprocessor boards in the //x then they can probably
satisfy most people's needs. Sure there will be Mac-like software for the //x,
but Apple's not going to prevent you from developing 'Apple][-style' software
if you want. The base machine will have a 65816, so Mac 'emulation' isn't
something most people will think about.

Credentials: I've got an Apple][+ and an Apple //e, with 12 out of 14 slots
utilized.

```
Slot //e           ][+ (BBS)
0/Aux.   ext.80 col         16K ramcard (16K + RAMdisk card)
1    VersaCard(printer) -free- (AppleTalk card)
2    VersaCard(serial)  Apple-Cat modem
3    mostly unusable         80-col card
4    VersaCard(clock)   -free- (Checkmate Gambit Card?)
5    AppleMouse         Apple-Cat 212 card (-free- if slot saver used)
6    UniDisk  3.5 controller     Disk ][ controller
7    PCPI Applicard (CP/M)  Echo ][ speech synthesizer(Lis'ner 1000)
```
--
                      - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu Phone: (412)CMU-BUGS

From 6926624174115456317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-30 14:06:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!cbmvax!daveh
From: daveh@cbmvax.cbm.UUCP (Dave Haynie)
Newsgroups: net.micro.apple
Subject: Re: Re: Apple //x
Message-ID: <311@cbmvax.cbmvax.cbm.UUCP>
Date: Fri, 30-May-86 17:06:08 EDT
Article-I.D.: cbmvax.311
Posted: Fri May 30 17:06:08 1986
Date-Received: Sun, 1-Jun-86 06:46:54 EDT
References: <3602@nsc.UUCP>
Organization: Commodore Technology, West Chester, PA
Lines: 29

>
> The point about Woz and the II x is a little off base. Two years ago, the
> IIx was planned based upon a 6 month first silicon working super chip that
> was both 6502 and 68000. Management and surely Woz himself had a very
> optimistic outlook on life. ...

6502 and 68000 in one chip? You've GOT to be kidding! Even if you could find a silicon house with the rights to both processors, it would be so much simpler to have separate 6502 and 68000 processors on the board that you couldn't possibly justify the added expense of developing a dual part. Or look at it this way, 6502 family chips these days cost less than $1.00, and to hook one up to share a bus with a 68000 would require almost no glue logic.

Anyway, its common knowledge that Apple has been looking at the 65C816 chip ever since Bill Mensch had prototypes which could barely run at 500KHz. The part has some problems, but its not an altogether bad chip, and its fast if you can afford fast enough memory. Besides, Apple only started looking at 68000 processors as part of the MAC project; they were originally looking at 6809 parts, which are pretty nice in themselves.

--
/\
Dave Haynie   {caip,inhp4,allegra,seismo}!cbmvax!daveh

     "Let me control a planet's oxygen supply,
      and I don't care who makes the laws"
                    -Great Culuthu's Starry Wisdom Band
\/

From 8733510711553867633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b12e8325e856007
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-31 15:30:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!seismo!umcp-cs!
eneevax!hsu
From: hsu@eneevax.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Re: Apple //x
Message-ID: <699@eneevax.UUCP>
Date: Sat, 31-May-86 18:30:14 EDT
Article-I.D.: eneevax.699
Posted: Sat May 31 18:30:14 1986
Date-Received: Tue, 3-Jun-86 04:46:45 EDT
References: <3602@nsc.UUCP> <311@cbmvax.cbmvax.cbm.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 24
Summary: deja vu

(Dave Haynie) writes:
>
>6502 and 68000 in one chip? You've GOT to be kidding! Even if you could
>find a silicon house with the rights to both processors, it would be so much
>simpler to have separate 6502 and 68000 processors on the board that you
>couldn't possibly justify the added expense of developing a dual part. Or
>look at it this way, 6502 family chips these days cost less than $1.00, and
>to hook one up to share a bus with a 68000 would require almost no glue
>logic.
>[notes about the desirability of the 65816]
>--
>Dave Haynie   {caip,inhp4,allegra,seismo}!cbmvax!daveh

But gee, Dave, 6502 and 68k in the same box? Then we'd have the Ohio
Scientific C-3 all over again, now wouldn't we? :-)

-dave
--
David Hsu (301) 454-1433 || -8798   "It was Dave, not me..honest!" -eneevax
Communication & Signal Processing Lab / Engineering Computer Facility
The University of Maryland   -~-   College Park, MD 20742
ARPA:hsu@eneevax.umd.edu UUCP:[seismo,allegra,rlgvax]!umcp-cs!eneevax!hsu

"Filmed on location in space"

From -1034660716076245779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-02 06:30:15 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!spice.cs.cmu.edu!
djz
From: djz@spice.cs.cmu.edu (Daniel Zigmond)
Newsgroups: net.micro.apple
Subject: Word Processors
Message-ID: <1005@spice.cs.cmu.edu>
Date: Mon, 2-Jun-86 09:30:15 EDT
Article-I.D.: spice.1005
Posted: Mon Jun 2 09:30:15 1986
Date-Received: Wed, 4-Jun-86 07:41:58 EDT
Organization: Carnegie-Mellon University, CS/RI
Lines: 12

I've gotten very frustrated with using AppleWritter II, especially when I
look at programs like Word Perfect for the IBM PC. Is there some better
word processor for the Apple //e? I know about AppleWorks, but as far as I
can tell, it doesn't come close to the power of the really good programs for
the PC. I'd really appreciate some recommendations.

     Dan

Daniel Zigmond
djz@spice.cs.cmu.edu
{harvard, ucbvax}!djz@spice.cs.cmu.edu

From 2680907341453701585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a200b06800c610f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-02 06:33:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!spice.cs.cmu.edu!
djz
From: djz@spice.cs.cmu.edu (Daniel Zigmond)
Newsgroups: net.micro.apple
Subject: Contacting Apple
Message-ID: <1006@spice.cs.cmu.edu>
Date: Mon, 2-Jun-86 09:33:17 EDT
Article-I.D.: spice.1006
Posted: Mon Jun 2 09:33:17 1986
Date-Received: Wed, 4-Jun-86 07:42:10 EDT
Organization: Carnegie-Mellon University, CS/RI
Lines: 5

Does anyone know who at Apple is in charge of the Apple //x project? Also,
who should one talk to about developing software/hardware for Apple
computers?

     Dan

From 2898095094787367161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-03 04:58:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!ut-sally!utah-cs!halff
From: halff@utah-cs.UUCP (Henry M. Halff)
Newsgroups: net.micro.apple
Subject: Re: Word Processors
Message-ID: <3806@utah-cs.UUCP>
Date: Tue, 3-Jun-86 07:58:49 EDT
Article-I.D.: utah-cs.3806
Posted: Tue Jun 3 07:58:49 1986
Date-Received: Wed, 4-Jun-86 19:47:37 EDT
References: <1005@spice.cs.cmu.edu>
Organization: Halff Resources, Inc.
Lines: 11
Summary: Did you know...

In article <1005@spice.cs.cmu.edu>, djz@spice.cs.cmu.edu (Daniel Zigmond) writes:
> I've gotten very frustrated with using AppleWritter II, especially when I
> look at programs like Word Perfect for the IBM PC. Is there some better
> word processor for the Apple //e? ...

Did you know that WordPerfect is available for the //? I can't imagine how
they make it work without function keys, but I understand that it has most
of the functionality of the PC version. You might give it a try.
--
Henry M. Halff   Halff Resources, Inc.
halff@utah-cs.ARPA   4918 33rd Road, N., Arlington, VA 22207

From 5525549741213014336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-03 16:53:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!think!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Apple-Writer
Message-ID: <2174@mit-eddie.MIT.EDU>
Date: Tue, 3-Jun-86 19:53:15 EDT
Article-I.D.: mit-eddi.2174
Posted: Tue Jun 3 19:53:15 1986
Date-Received: Thu, 5-Jun-86 07:31:54 EDT
References: <1005@spice.cs.cmu.edu> <3806@utah-cs.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 16

I am using Apple-Writer II for the II+ under DOS 3.3. An annoying problem
that I keep running into is that Apple-Writer can't keep up with my
typing, and loses characters as a result. This happens every other word
(approximately), and is very frustrating.

1) Is there a way around this problem other than to slow down my
   typing (or to buy a //e :-)

2) Is the ProDOS version of Apple-Writer II for the II+ any faster?
   If so, do you happen to know where I can get it cheaply?

-drew
arpa: MOORE%MIT-OZ@MIT-MC.ARPA
uucp: ...mit-eddie!moore

From -195836471466698721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c81dbdf98a69b7b6,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,c81dbdf98a69b7b6,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,c81dbdf98a69b7b6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-04 02:33:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!think!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Re: Apple II Emulators wanted
Message-ID: <2180@mit-eddie.MIT.EDU>
Date: Wed, 4-Jun-86 05:33:33 EDT
Article-I.D.: mit-eddi.2180
Posted: Wed Jun 4 05:33:33 1986
Date-Received: Thu, 5-Jun-86 19:44:11 EDT
References: <58@intelca.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 12
Xref: linus net.micro:13396 net.micro.apple:2506 net.wanted:8186

I think Quadram makes an Apple emulator board -- the Quadboard is the name
(I think). I'm not sure how it is for speed, but it does have a problem
when it tries to do anything with the speaker (such as running games with
sound, etc.), but like you said, it's not an ideal world.. The board is
for the IBM.

-drew
 arpa: MOORE%MIT-OZ@MIT-MC.ARPA
 uucp: ...mit-eddie!moore
   us: Box 121, North Quincy, MA 02171

From 5901211145895295019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c81dbdf98a69b7b6
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,c81dbdf98a69b7b6
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c81dbdf98a69b7b6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-04 15:14:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!nike!think!ejb
From: ejb@think.COM (Erik Bailey)
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Re: Apple II Emulators wanted
Message-ID: <5390@think.COM>
Date: Wed, 4-Jun-86 18:14:56 EDT
Article-I.D.: think.5390
Posted: Wed Jun 4 18:14:56 1986
Date-Received: Thu, 5-Jun-86 20:00:13 EDT
References: <58@intelca.UUCP> <2180@mit-eddie.MIT.EDU>
Reply-To: ejb@godot.think.com.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 13
Xref: linus net.micro:13397 net.micro.apple:2507 net.wanted:8187

In article <2180@mit-eddie.MIT.EDU> moore@mit-eddie.UUCP (Andrew Moore) writes:
>I think Quadram makes an Apple emulator board -- the Quadboard is the name
                                                    ^^^^^^^^^
                                                    QuadLink

It ONLY runs stuff for the //+ *NOT* //e... --Erik

--

Erik Bailey   -- 7 Oak Knoll   (USENET courtesy of
ihnp4!think!ejb   Arlington, MA 02174   Thinking Machines Corp.
ejb@godot.think.com   (617) 643-0732   Cambridge, MA)

From 5087664579218461059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dbfc89bfd00ca623,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-04 19:34:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!
vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: Imagewriter II
Message-ID: <4500029@uok.UUCP>
Date: Wed, 4-Jun-86 22:34:00 EDT
Article-I.D.: uok.4500029
Posted: Wed Jun 4 22:34:00 1986
Date-Received: Mon, 9-Jun-86 03:08:04 EDT
Lines: 11
Nf-ID: #N:uok.UUCP:4500029:000:273
Nf-From: uok.UUCP!vfoster   Jun 4 21:34:00 1986

I currently own an Apple //e with a daisy wheel printer. I am in the
process of selling it in favor of purchasing the Apple Imagewriter II.

I would appreciate any comments (good or bad) concerning the usage
of this particular printer.

Thanks.

Vincent Foster
Norman, OK

From 2268934201287858222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c81dbdf98a69b7b6
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,c81dbdf98a69b7b6
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-06-05 18:36:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!sandia!marms
From: marms@sandia.UUCP (Mike Arms)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple II Emulators wanted
Message-ID: <174@sandia.UUCP>
Date: Thu, 5-Jun-86 21:36:47 EDT
Article-I.D.: sandia.174
Posted: Thu Jun 5 21:36:47 1986
Date-Received: Sun, 8-Jun-86 08:43:10 EDT
References: <58@intelca.UUCP> <2180@mit-eddie.MIT.EDU>
Distribution: net
Organization: Sandia Natl Labs, Div. 5324
Lines: 35
Xref: linus net.micro:13406 net.micro.apple:2511

[There is no such thing as a line ea

> I think Quadram makes an Apple emulator board -- the Quadboard is the name

> (I think). I'm not sure how it is for speed, but it does have a problem
> when it tries to do anything with the speaker (such as running games with
> sound, etc.), but like you said, it's not an ideal world.. The board is
> for the IBM.
>

I have a Quadram "Quadlink" board in my IBM-PC. It works great on just
about everything, except for software which tries to muck with the disk
speed. Thus Locksmith does not work. However, all of the games that I
have work fine (ie: many, many games), and I have no problems with sound.
It runs about as fast as a real Apple.

The Quadlink is a true co-processor board. It has a 6502 uP with 64K of
ram on board. You get a ribbon cable to hook up to the regular IBM floppy
drives. Also it handles other DOS's. It runs DOS 3.3 fine, and the Apple
UCSD Pascal system.

Now if only I can get a communication program for it. I'm not sure if I
have access to COM1 on the IBM-PC, but the documentation leeds you to
think that. I can convert files from IBM format to DOS 3.3 format
using one of Quadram's utilities.

Anyone have a comm program for the Apple II+ written in Applesoft Basic?

If so, I would really appreciate getting it e-mail. It need not be
anything fancy, just enough to download from a BBS as I am sure that
I can find more comm programs there than I know what to do with.
It's this getting bootstrapped that is the problem. Thanks.

Mike Arms
Sandia National Laboratories
uucp: ...{gatech | ihnp4!lanl | ucbvax}!unmvax!sandia!marms

From 6082839703077517969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7dbb209bb7f63e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-05 19:43:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!ron1!polyof!polyob!julerio1
From: julerio1@polyob.UUCP (A1 jose ulerio1)
Newsgroups: net.micro.apple
Subject: Re: Re: Word Processors
Message-ID: <166@polyob.UUCP>
Date: Thu, 5-Jun-86 22:43:19 EDT
Article-I.D.: polyob.166
Posted: Thu Jun 5 22:43:19 1986
Date-Received: Tue, 10-Jun-86 02:47:19 EDT
References: <1005@spice.cs.cmu.edu> <3806@utah-cs.UUCP>
Organization: Polytechnic Inst. of NY, Brooklyn NY
Lines: 35

> In article <1005@spice.cs.cmu.edu>, djz@spice.cs.cmu.edu (Daniel Zigmond)
writes:
> > I've gotten very frustrated with using AppleWritter II, especially when I
> > look at programs like Word Perfect for the IBM PC. Is there some better
> > word processor for the Apple //e? ...
>
> Did you know that WordPerfect is available for the //? I can't imagine how
> they make it work without function keys, but I understand that it has most
> of the functionality of the PC version. You might give it a try.
> --
> Henry M. Halff   Halff Resources, Inc.
> halff@utah-cs.ARPA   4918 33rd Road, N., Arlington, VA 22207

The version of Word Perfect for the Apple //e runs under ProDos, and has most,
if not every important, features of the PC version. About the only features
missing that would come in handy are the auto-table of contents generator
and a thesaurus function I faintly remember being available. It runs well
on hard drives and the UniDisk 3.5. The going price is about $129, but you can
find it discounted to around $90-100 from mail-order houses.
Oh, and it requires a 128K //e or //c..not sure if the //e has to be enhanced
or not..

As for function keys, the open and closed apple keys are used in lieu of
F1, F2, F3, etc... never did dig those things.

Slight opinion: Apple Writer][has always been a capable word processor
for me, with the only peeve being the block move (or what purports to be
one) function. Did Lutus spend so much time on WPL and everything else
that he forgot about enhancing it? Sigh.

     Jose M. Ulerio
     Department of Transportation Planning and Engineering
     Polytechnic University, Bklyn, NY

     ... philabs!ron1!polyof!polyob!julerio1

From -1317376288816045897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,198dab6eeed2efa9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-06 11:36:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site neoucom.UUCP
Path: utzoo!watmath!clyde!cbosgd!neoucom!wtm
From: wtm@neoucom.UUCP (Bill Mayhew)
Newsgroups: net.micro.apple
Subject: Franklin FDOS
Message-ID: <209@neoucom.UUCP>
Date: Fri, 6-Jun-86 14:36:17 EDT
Article-I.D.: neoucom.209
Posted: Fri Jun 6 14:36:17 1986

Date-Received: Sat, 7-Jun-86 08:12:09 EDT
Organization: Northeastern Ohio Universities College of Medicine
Lines: 32
Keywords: FDOS, Ace1000, Apple 2

/////

Hello,
     Has anyone worked with Franklin's FDOS? It is fairly compatible with DOS 3.2 in that the IOB structure is the same, and the well-known entry points are are at the same addresses. We have a couple of old Franklin 1000s around the Lab.-- they are pretty simailar to the Apple II version 7 motherboard, except that they sport 64K of ram on the board (64K chips with upper 16K mapped into slot 0, and softswitch protocol) and an LSI disk control I.C. stuck on the motherboard.

     I was very impressed with FDOS, as it accomplished a BLOAD in 2 sec. that took 30 sec. in DOS 3.3. I suspect that FDOS does a full track(s) read, and then picks up needed sectors from RAM. Also, it might use buffering similar to ProDOS.

     The problem is that FDOS works o.k. on an Apple with 64K of memory for reading, but not writing to disk. FDOS wipes out the catalog when attempting a SAVE/BSAVE on an Apple. I wonder if the Franklin LSI controller chip has something magic inside that is different?

     Anybody have any experiences or care to comment? The Ace-1000 really was't a bad knock-off of an Apple, provided that you got one that didn't have the ROM-less soft-boot version. We had a soft-boot that never would actually boot, so we de-kludged it and put copies of the original ROMs back in, and all was fine.

Bill
NEOUCOM
...!allegra!neoucom!wtm   (216) 325-2511

From -853305399317439628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25b83477c4999398,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,25b83477c4999398,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-06-06 14:44:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!tektronix!uw-beaver!bullwinkle!rochester!seismo!mcvax!nikhefk!henkp
From: henkp@nikhefk.uucp (Henk Peek)
Newsgroups: net.micro.mac,net.micro.apple
Subject: New apple-baby VEGAS
Message-ID: <20@nikhefk.UUCP>

Date: Fri, 6-Jun-86 17:44:13 EDT
Article-I.D.: nikhefk.20
Posted: Fri Jun 6 17:44:13 1986
Date-Received: Mon, 9-Jun-86 01:24:04 EDT
Reply-To: henkp@nikhefk.UUCP (Henk Peek)
Organization: NIKHEF-K, Amsterdam
Lines: 22
Keywords: VEGAS
Xref: watmath net.micro.mac:6458 net.micro.apple:2804
Apparently-To: rnews@mcvax

From FIDO SAGA   +31 20 924442 (V21, V23)   Amsterdam Holland

This week Apple has shown a new apple-baby the VEGAS to apple dealers

    Standaard RS232 and printerpoort
    7 slots
    512KB ram extendible to 8MB
    display 768*512, 128 colours of a 4096 colour palette
    disk and mouse controllers

Standard //e software is 6 times faster in 8 bit mode and
16 bit mode is faster.

The status of this new machine is not Known: successor, upgrade or ??

Public announcement september.

Henk Peek
UUCP: henkp@nikhefk@mcvax
MAIL: NIKHEF-K, PB 4395, 1009 AJ Amsterdam, Holland

From 8953018438459735996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82cad81cf068a831,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-06 15:56:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 (USS@Tek, v1.1) based on 4.3bsd-beta 6/6/85;
site pogo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!tektronix!orca!pogo!bobs
From: bobs@pogo.UUCP (Bob Saunders)
Newsgroups: net.micro.apple
Subject: ProDOS C Compiler for IIe, IIc
Message-ID: <2543@pogo.UUCP>
Date: Fri, 6-Jun-86 18:56:54 EDT
Article-I.D.: pogo.2543
Posted: Fri Jun 6 18:56:54 1986
Date-Received: Sun, 8-Jun-86 05:53:23 EDT
Organization: Tektronix, Inc., Beaverton, OR
Lines: 13

Keywords: C ProDOS Apple

The June 1986 issue of Call-A.P.P.L.E., page 64, announces a ProDOS C Compiler for the Apple IIe and IIc call Hyper C, from WSM GROUP.

Does anyone out there know about this product?

For $100 it sounds like you get alot for your money. Produces assembler source code. Advertised features include code Assembler and Interpreter, native code 65C02 Assembler, Assembler Macro Expander, Overlay Linker, Librarian, Library Source Code, Full-Screen Text Editor, and more. Says it utilizes a UNIX-like shell, supports hierarchical directories.

From -2460352484741939529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d37cba8f1b9db02,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-06 23:34:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!ecn-pc!ecn-aa!morrism
From: morrism@ecn-aa.UUCP (The Music Man)
Newsgroups: net.micro.apple
Subject: Here we go again with Ascii Express
Message-ID: <121@ecn-aa.UUCP>
Date: Sat, 7-Jun-86 02:34:49 EDT
Article-I.D.: ecn-aa.121
Posted: Sat Jun 7 02:34:49 1986
Date-Received: Sun, 8-Jun-86 04:27:47 EDT
Reply-To: morrism@pur-ee.UUCP (The Music Man)
Organization: Electrical Engineering Department , Purdue University
Lines: 29

Oh well, this might be wearing out an old subject, but here we go again.

Ascii Express 4.20

Hardware:

Apple II+ 64K
Micromodem IIe (300 bps) slot 4
Videx videoterm 80 col card slot 3
Enhancer II (u/l case)

Emulation does not work!!! I have done what the manual said, and it STILL DOESN'T WORK!!!!

Help? Send e-mail.

In advance...

-morrism-

Mitchell J. Morrison Hacker/Programmer/Consultant at Large

UUCP: {caip, ihnp4, decvax, seismo, ucbvax}!pur-ee!morrism

I say, do, and think what I want. So flame me, nobody else.

"Scenes From a Night's Dream! Poor little Nemo!"

From 5232810926889211181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a88e2f1ab52da033,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-07 06:35:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!caip!seismo!cmcl2!lanl!
unm-la!unmvax!casa
From: casa@unmvax.UUCP (Jim Pittman)
Newsgroups: net.micro.apple
Subject: Apple II Plus keyboard, Apple Writer
Message-ID: <1084@unmvax.UUCP>
Date: Sat, 7-Jun-86 09:35:31 EDT
Article-I.D.: unmvax.1084
Posted: Sat Jun 7 09:35:31 1986
Date-Received: Mon, 9-Jun-86 02:02:51 EDT
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 30

A recent posting:
>
> I am using Apple-Writer II for the II+ under DOS 3.3. An annoying
> problem that I keep running into is that Apple-Writer can't keep up
> with my typing, and loses characters as a result...
>

For a hardware type-ahead buffer, and a LOT more, get the Videx Enhancer II keyboard enhancer. This device, with a Videx Videoterm 80-column card, can give your Apple II Plus a significant increase in capability at a low cost; for three years they have helped me resist buying an Apple IIe.

The Enhancer II provides type-ahead, two auto-repeat speeds, the ability to produce every ASCII character, provision for a totally original UPPER-case Apple II keyboard if necessary, the ability to program every key and every SHIFT- and CTRL- key combination, the ability to program key macros. Last but not least are Videx' outstanding manuals and customer support. You can get one of these jewels for about $100 from mail order houses.

A completely different solution would be try the Write-Away word processor from Peregrine Software, 1160 Appleseed Lane, St. Louis, MO 63132, phone 314-997-2369 at about $120. This word processor will work on any Apple II, is fast and POWERFUL. It works fine in either 40 or 80 columns and has an excellent terminal/file transfer capability. Standard DOS 3.3 TEXT files, and the program disk is completely copyable for backups. An excellent Apple II product. It does lack a few desirable features: no split-screen, no type-over capability; cursor movement is rather primitive.

- Jim Pittman University of New Mexico Computing Center 505-277-8131
2701 Campus Blvd NE, Albuquerque, NM 87131

From -8108228731447620276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a9931d92a853cc92,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-06-08 15:50:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!caip!princeton!allegra!ulysses!mhuxr!mhuxn!
ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: Apple Imagewriter II ?
Message-ID: <4500030@uok.UUCP>
Date: Sun, 8-Jun-86 18:50:00 EDT
Article-I.D.: uok.4500030
Posted: Sun Jun 8 18:50:00 1986
Date-Received: Fri, 13-Jun-86 03:03:05 EDT
Lines: 9
Nf-ID: #N:uok.UUCP:4500030:000:250
Nf-From: uok.UUCP!vfoster Jun 8 17:50:00 1986

I am wanting to purchase the Apple Imagewriter II to replace my
current daisy wheel printer. I would appreciate any comments
concerning the usage, operation, cost, etc. of the Imagewriter II.
Thanks.

Vincent Foster
University of Oklahoma
Norman, OK

From 3347433103763419005
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 124863,542bae66fee330fb
X-Google-Attributes: gid124863,public
X-Google-Thread: 1622d3,5174859315deaf6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-15 09:00:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!gatech!seismo!hao!

hplabs!sdcrdcf!burdvax!psuvax1!vu-vlsi!williams
From: williams@vu-vlsi.UUCP
Newsgroups: net.micro.apple,net.music
Subject: Re: Re: Rumor on the Apple IIx release. (really Rush)
Message-ID: <261@vu-vlsi.UUCP>
Date: Sat, 15-Mar-86 12:00:29 EST
Article-I.D.: vu-vlsi.261
Posted: Sat Mar 15 12:00:29 1986
Date-Received: Mon, 17-Mar-86 04:46:35 EST
References: <958@nmtvax.UUCP> <135@oucs.UUCP> <2176@jhunix.UUCP> <879@umd5.UUCP>
Organization: Villanova Univ. EE Dept.
Lines: 19
Xref: watmath net.micro.apple:2650 net.music:12649
Summary: what?

> I agree!! I've posted several articles about Rush here, and thought
> Isaac (Gumby) was the only other one who cared!! If anybody wants
> to talk about 'em, I'll be glad to join in! Either posting or mail
> is fine!
>   David Arnold

     What the hell is this doing in net.micro.apple???? If your going
to post a followup make sure it's got something to do with the newsgroup,
pleeeease. There have been several "rush" messages in net.micro.apple.
I'd personally mail all these people messages but there are quite a few
that seem to be posting followups to the same message (and most of them
probably don't read net.micro.apple) I really hate posting things like this
but it had to be stopped.

                                        -taw

               "It's only a state of mind"

From 156716898235279527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bec55f3bb30d5dd7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-16 15:21:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!mmm!umn-cs!isucs1!notes
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: 68000 coprocessor info wanted
Message-ID: <528@isucs1.UUCP>
Date: Sun, 16-Mar-86 18:21:27 EST
Article-I.D.: isucs1.528
Posted: Sun Mar 16 18:21:27 1986
Date-Received: Tue, 18-Mar-86 07:50:40 EST
Sender: notes@isucs1.UUCP

Organization: Iowa State University
Lines: 13
Nf-ID: #N:isucs1:9900024:000:560
Nf-From: isucs1!heins   Mar 14 15:18:00 1986

I'm looking for a 68000 coprocessor board for my Apple][+, has anyone heard of such a device? I know that Stellation 2 makes McMill, but it is a 68008, I think, and I would much rather have a 68000 or even better a 68020. If anyone has info about the McMill I'd still be interested.
What I want to do is run OS/9 68k, and possibly find a UN*X of some sort for it... Any pointers toward such a device would be appreciated. Please send me mail, and if there is sufficient interest, I'll summarize to the net.

Lee Heins
umn-cs!isucs1!heins

From 6432324698027018745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3b9cb2e2ddab26a4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-17 13:36:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: update on using AppleWork on a][,][+
Message-ID: <2817@reed.UUCP>
Date: Mon, 17-Mar-86 16:36:27 EST
Article-I.D.: reed.2817
Posted: Mon Mar 17 16:36:27 1986
Date-Received: Fri, 21-Mar-86 05:50:16 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 15

I just saw an add in this months A+(ok, next months) from Legend Industries. It seems they now hace a "legend 'c" card or somesuch. If you buy it, you can get an appleworks modifier that will let you have 1024K available to applework. I believe this would give you a desktop of about 360K or so. I forget how much, however.

just thought I'd pass it along.

no relation

sean kamath

ihnp4!tektronix!reed!kamath

(can't wait to get my damn .signature file working again!)

From 5460963681219592483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fc18ae0bf3cfcb5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-17 23:03:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
okstate.UUCP!uok.UUCP!jperkins
From: jperkins@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <4500028@uok.UUCP>
Date: Tue, 18-Mar-86 02:03:00 EST
Article-I.D.: uok.4500028
Posted: Tue Mar 18 02:03:00 1986
Date-Received: Sat, 22-Mar-86 05:59:22 EST
References: <423@excalibur.UUCP>
Lines: 21
Nf-ID: #R:excalibur.UUCP:423:uok.UUCP:4500028:000:1074
Nf-From: uok.UUCP!jperkins   Mar 18 01:03:00 1986

>>   I have heard (from a friend who has a friend who works at Apple) that
>>the Apple IIx will be released this summer. I have not yet found out
>>exactly what the system will be (It WILL use the Western Design Center
>>
>For some more information, look at the March 86 issue of Nibble magazine.
>I believe they devoted the editor's column to this issue. Some very neat
>ideas are put forth as to what this new compuer will have, including the
>
>Rick Greene
>   ...!ihnp4!psuvax1!vu-vlsi!excalibur!188622462

*Seems to me that the editor was putting forth some nice features that
*the advanced Apple // MIGHT have, not WILL have. I know as little as
*most people about this, but I think it is a little too much to expect
*any compatibility with Macintosh software. Even if it were possible, I
*do not think Apple would necessarily like the idea.

I believe Infocom also mentioned the //x having the capability of reading
Macintosh data. This is either coincidental or these magazines have sources from
which they get these messages.

                    The Doctor

From 2580479243180782858
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,7074aa827b4bf318,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,7074aa827b4bf318,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1986-03-18 06:04:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!wanginst!apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Need Apple CP/M terminal program
Message-ID: <2c910a50.46b9@apollo.uucp>
Date: Tue, 18-Mar-86 09:04:53 EST
Article-I.D.: apollo.2c910a50.46b9
Posted: Tue Mar 18 09:04:53 1986
Date-Received: Fri, 21-Mar-86 04:43:38 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 8
Xref: watmath net.micro.apple:2657 net.micro.cpm:5338

I recently posted an article requesting a Apple CP/M terminal program for a
Franklin
CP/M card. A Jack Smith sent me mail saying he had such a thing and to let him
know
if I wanted a copy. Well, yes I do, but I can't seem to send mail to him. So, Jack
please resend me mail with your address and telephone # so I can contact you.
Also, several people have expressed an interest in the same item. I will be
letting
those people know whats available when I get all my facts together.

I apologize to the "net people" who may not be interested in these things.

From 3212134039220754130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e172c0add9ba8ae6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-18 10:47:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site alberta.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!alberta!gordon
From: gordon@alberta.UUCP (Gordon Atwood)
Newsgroups: net.micro.apple
Subject: Aztec C, Information Request
Message-ID: <853@alberta.UUCP>
Date: Tue, 18-Mar-86 13:47:20 EST
Article-I.D.: alberta.853
Posted: Tue Mar 18 13:47:20 1986
Date-Received: Fri, 21-Mar-86 03:20:09 EST
Distribution: na
Organization: U. of Alberta, Edmonton, AB
Lines: 20

I would like to obtain as much data as possible on Aztec C, produced by Manx Corporation. Details of other C compilers would also be appreciated.

I would appreciate useful comments. Not "I liked it", but "I like it because it did this..."

I need to know specific information in the following areas:

1) Compatibility with "Apple Compatible" microcomputers
2) Operation on an Apple IIe w/ 128k. ie, speed, does it use all available memory, size of source code, size of executable, speed of compilation, etc
3) Interaction with Prodos, and Dos 3.3.
4) Compatibility with "Standard C" [whatever that may be], (I prefer as close to Kernighan as possible).
5) What is the company like, responsive, uncaring, useless, ...

6) Any other information that will help in my making a decision concerning the purchase of this Package.

G.H.A.

From 1650567038652546515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8fc4bfeaea874eaa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-18 12:44:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!hplabs!qantel!lll-lcc!lll-crg!gymble!umcp-cs!seismo!rochester!ur-tut!atsh
From: atsh@ur-tut.UUCP
Newsgroups: net.micro.apple
Subject: LISP for the apple II or IIe
Message-ID: <70@ur-tut.UUCP>
Date: Tue, 18-Mar-86 15:44:10 EST
Article-I.D.: ur-tut.70
Posted: Tue Mar 18 15:44:10 1986
Date-Received: Sun, 23-Mar-86 00:15:38 EST
Reply-To: atsh@ur-tut.UUCP (Mr Gooter)
Organization: Univ. of Rochester Computing Center
Lines: 6
Keywords: apple LISP

-
-
is there any working lisp or lisp like languages for the apple II or the IIe?
I am teaching a class in basic lisp and the apple is the most accessable machine. Anything will do!
Mr. Gooter.

From -6217827497018889165

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,772a72d9ad790ec0,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,772a72d9ad790ec0,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-03-18 15:14:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site spp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!trwrb!trwspp!spp1!colbert
From: colbert@spp1.UUCP (Ed Colbert)
Newsgroups: net.wanted,net.micro.apple
Subject: Apple II 80 Column Card
Message-ID: <270@spp1.UUCP>
Date: Tue, 18-Mar-86 18:14:34 EST
Article-I.D.: spp1.270
Posted: Tue Mar 18 18:14:34 1986
Date-Received: Sat, 22-Mar-86 01:55:58 EST
Distribution: net
Organization: TRW, Redondo Beach CA
Lines: 6
Xref: watmath net.wanted:8441 net.micro.apple:2661

Does anyone know where to get (or have that they would be willing to sell)
an 80 column card for an Apple II computer (not the IIe - yes I still have
one of these ancient machines).

Thanks,
Ed

From -6371141066540731696
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 124863,a786cd92752fc4ea,start
X-Google-Attributes: gid124863,public
X-Google-Thread: 12c65a,a786cd92752fc4ea,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 15c82e,a786cd92752fc4ea,start
X-Google-Attributes: gid15c82e,public
X-Google-Thread: 1622d3,a786cd92752fc4ea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-18 17:58:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site kontron.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!pyramid!voder!kontron!cramer
From: cramer@kontron.UUCP (Clayton Cramer)
Newsgroups: net.music,net.micro.apple,net.micro.atari8,net.micro.cbm
Subject: Request For Information On Covox Voice Master
Message-ID: <624@kontron.UUCP>
Date: Tue, 18-Mar-86 20:58:58 EST
Article-I.D.: kontron.624
Posted: Tue Mar 18 20:58:58 1986

Date-Received: Fri, 21-Mar-86 04:42:49 EST
Distribution: net
Organization: Kontron Electronics, Mt. View, CA
Lines: 8
Xref: watmath net.music:12704 net.micro.apple:2656 net.micro.atari8:86
net.micro.cbm:2095

My wife is interested in a gadget we saw advertised recently in Atari
Explorer magazine that purports to translate music (whistled or hummed)
into musical notation. The company is Covox, Inc., in Eugene,
Oregon. It claims to work with the C64, C128, Apple II, and Atari
800, 800XL, and 130XE. (Hence the long newsgroups list.) The price
is about $90 -- which immediately makes me wonder how good something
like this good be. Does anyone here on the net have knowledge of
this product?

From -4722229612432167785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1f968f11a401163a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-19 10:12:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!gitpyr!wutka
From: wutka@gitpyr.UUCP (Mark Wutka)
Newsgroups: net.micro.apple
Subject: Append file for Apple //c
Message-ID: <1572@gitpyr.UUCP>
Date: Wed, 19-Mar-86 13:12:21 EST
Article-I.D.: gitpyr.1572
Posted: Wed Mar 19 13:12:21 1986
Date-Received: Fri, 21-Mar-86 03:49:34 EST
Organization: Georgia Institute of Technology, Atlanta
Lines: 26
Keywords: tear, hair

I have spent a lot of time managing to download the Kermit protocol and had
to it in several files because of limited buffer space in my Ascii Express
program.

I usualy just put my files together with Applewriter, but it seems that it
does not leave enough room to fit the kermit program into.

Does anyone already have a small append routine they could post or mail? I
have been going through a lot of trouble to get Kermit and am ready to tear
my hair out. (I know - I understand that I need Kermit to download big files!)
on it.)

This space provided by a very generous friend...you may send mail to Ceal
by this path. (Aren't Nerds wonderful!)

--

Mark Wutka
Office of Computing Services
Georgia Institute of Technology
Atlanta, Ga.

...!{akgua,allegra,amd,hplabs,ihnp4,masscomp,ut-ngp}!gatech!gitpyr!wutka
...!{rlgvax,sb1,uf-cgrl,unmvax,ut-sally}!gatech!gitpyr!wutka

Official member of NERDS (NERDS Existing in a Recursively Defined System)

From 7639197911130253283
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bbc2e879134d59e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-19 10:18:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!gitpyr!wutka
From: wutka@gitpyr.UUCP (Mark Wutka)
Newsgroups: net.micro.apple
Subject: vt100 emulator
Message-ID: <1573@gitpyr.UUCP>
Date: Wed, 19-Mar-86 13:18:01 EST
Article-I.D.: gitpyr.1573
Posted: Wed Mar 19 13:18:01 1986
Date-Received: Fri, 21-Mar-86 03:49:49 EST
Organization: Georgia Institute of Technology, Atlanta
Lines: 30
Keywords: help

ok...I understand that a lot of you have gotten this to work for you.
Please tell me how you configured your apple //c with an apple1200 modem.
(I have tried both the original cord that was made by Apple for the modem
and a homemade one that lets my computer answer other computers.)

I have problems with the first menu saving - the one with the linefeeds,
keyclick, etc. (the second menu with the baud and parity saves just fine.)
When I connect to the GTnet here at Tech, the first character of each
line is cut off.

I have downloaded the program twice and exec'd it many times. It has become
a challenge to get it to work! All help appreciated.

Also would like info about the //e hooked up to the Hayes 2400. I also could
not get vt100 emulator to work with that.

Does it have a buffer to open?

Thanks a bunch in advance! - Ceal

--
Mark Wutka
Office of Computing Services

Georgia Institute of Technology
Atlanta, Ga.

...!{akgua,allegra,amd,hplabs,ihnp4,masscomp,ut-ngp}!gatech!gitpyr!wutka
...!{rlgvax,sb1,uf-cgrl,unmvax,ut-sally}!gatech!gitpyr!wutka

Official member of NERDS (NERDS Existing in a Recursively Defined System)

From 7433877734065869634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8fc4bfeaea874eaa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-19 16:55:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!seismo!topaz!friedman
From: friedman@topaz.RUTGERS.EDU (-Gadi)
Newsgroups: net.micro.apple
Subject: Re: LISP for the apple II or IIe
Message-ID: <4596@topaz.RUTGERS.EDU>
Date: Wed, 19-Mar-86 19:55:23 EST
Article-I.D.: topaz.4596
Posted: Wed Mar 19 19:55:23 1986
Date-Received: Fri, 21-Mar-86 06:31:51 EST
References: <70@ur-tut.UUCP>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 18
Keywords: apple LISP

There was a product called.
App-L-isp. for the apple II computer.
The manual is copywrite 1981 by Special Software Systems
Published & distributed Exclusively By
DataSoft Inc.
19519 Business Center Drive
Northridge, CA 91324

I don't know if either company still exists, or if this software
is still available. I also don't know how good a lisp this
is since I never used it. They claim to be a subset of interlisp.

-Gadi
--
ARPA: friedman@topaz.rutgers.edu
UUCP: ...{harvard, seismo, ut-sally, sri-iu, ihnp4!packard}!topaz!friedman
CMS: TECC!RUTGERS!SYSOP
BELL: Call the Rutgers CMS BBS at (201) 932-3887

From 6428787308144434921
X-Google-Language: Unknown,Unknown
X-Google-Thread: 1622d3,772a72d9ad790ec0
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 15f443,772a72d9ad790ec0
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-03-19 22:55:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
seismo!harvard!think!mit-eddie!moore
From: moore@mit-eddie.MIT.EDU (Andrew M. Moore)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: Apple II 80 Column Card
Message-ID: <1338@mit-eddie.MIT.EDU>
Date: Thu, 20-Mar-86 01:55:46 EST
Article-I.D.: mit-eddi.1338
Posted: Thu Mar 20 01:55:46 1986
Date-Received: Sat, 22-Mar-86 23:12:18 EST
References: <270@spp1.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 0
Xref: watmath net.wanted:8458 net.micro.apple:2663

From -9000818057260985813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,f8bb507a673db64d,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,f8bb507a673db64d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-20 15:21:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro,net.micro.apple
Subject: Latest news from Pecan
Message-ID: <313@ius2.cs.cmu.edu>
Date: Thu, 20-Mar-86 18:21:18 EST
Article-I.D.: ius2.313
Posted: Thu Mar 20 18:21:18 1986
Date-Received: Sat, 22-Mar-86 23:18:57 EST
Reply-To: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 18
Keywords: neat stuff
Xref: watmath net.micro:14089 net.micro.apple:2664
In-Reply-To: <8603202239.AA29645@bugs.ARPA>

Just called PECAN software systems (800) 63PECAN to inquire about various
products.

They said Real Soon Now (a month?) for their port of Volition's modula-2

compiler, which compiles for their P-system. (Hopefully it still supports the nifty dynamic linking features the 'old' one had.)

They also (finally) have a 6502 native code generator, which they hope to have ready in a month. The person I spoke with wasn't sure about the upgrade policy from the current one - he told me I'd be better off waiting for the ProDOS product.

--
- Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From -767761073827214901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e172c0add9ba8ae6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-22 19:56:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!mcnc!akgua!gatech!seismo!brl-adm!brl-smoke!gwyn
From: gwyn@brl-smoke.UUCP
Newsgroups: net.micro.apple
Subject: Re: Aztec C, Information Request
Message-ID: <2006@brl-smoke.ARPA>
Date: Sat, 22-Mar-86 22:56:49 EST
Article-I.D.: brl-smok.2006
Posted: Sat Mar 22 22:56:49 1986
Date-Received: Mon, 24-Mar-86 18:32:25 EST
References: <853@alberta.UUCP>
Reply-To: gwyn@brl.ARPA
Distribution: na
Organization: Ballistic Research Lab (BRL)
Lines: 48

In article <853@alberta.UUCP> gordon@alberta.UUCP (Gordon Atwood) writes:
>I would like to obtain as much data as possible on Aztec C, produced by Manx
>Corporation. Details of other C compilers would also be appreciated.
>
>I need to know specific information in the following areas:
>
>   1) Compatibility with "Apple Compatible" microcomputers
     Unknown, although if they run unmodified DOS 3.3 and
     ProDOS I would expect them to run Aztec C also.
>   2) Operation on an Apple IIe w/ 128k. ie, speed, does it use all available
>   memory, size of source code, size of executable, speed of compilation, etc
     There is no special treatment of the extended memory.
     Under ProDOS, one can use this /RAM space to speed up
     loading of executable code, or for temp files, etc.
     Generated code is fairly good; one can select either
     native 6502 (65C02 optional under ProDOS) or interpreted
     code: native code is fast and large, interpreted small and

slow. Both types of code can be linked in the same executable.
For real speed I directly access peripheral registers
rather than sending I/O through the standard I/O hooks.
The compiler itself is fairly slow, so if you program
by trial-and-error you'll probably not like it.

> 3) Interaction with Prodos, and Dos 3.3.

The ProDOS release is "beta testing" (it actually has a
ways to go yet); both versions of course use the OS for
file I/O (what interaction are you talking about?). Both
versions provide a "shell" environment much like a UNIX
subset, plus several utilities including a screen editor.
The ProDOS version is supposed to eventually have support
for cross-development of DOS 3.3 target applications.

> 4) Compatibility with "Standard C" [whatever that may be], (I prefer as close
> to Kernighan as possible).

Aztec C is very close to K&R, and the ProDOS version
includes later features a la X3J11. Floating-point
support IS provided. Bit-fields were missing last I
looked. The library is closer to 7th Ed. UNIX than
to X3J11 or the SVID; this can be fixed easily enough.

> 5) What is the company like, responsive, uncaring, useless, ...

It varies. Usually they seem rather unresponsive.
There is a tech support bulletin board for customers.

> 6) Any other information that will help in my making a decision concerning
> the purchase of this Package.

The ProDOS version is taking much longer to get to the
release point than Manx at first indicated. I get the
feeling that Jim Goodnow is their main developer and
he has been busy getting Mac & Amiga releases ready.
I've found the compiler itself to be pretty reliable,
but the ProDOS shell is not ready for serious use yet.

From -4954579735124555148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ab02d0054a3da96b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-24 02:18:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
seismo!cmcl2!rna!rocky2!cucard!ccnysci!alexis
From: alexis@ccnysci.UUCP
Newsgroups: net.micro.apple
Subject: Lisp for Apple][series
Message-ID: <253@ccnysci.UUCP>
Date: Mon, 24-Mar-86 05:18:57 EST
Article-I.D.: ccnysci.253
Posted: Mon Mar 24 05:18:57 1986
Date-Received: Fri, 28-Mar-86 04:56:19 EST
Organization: City College of New York
Lines: 9

There is a Lisp for the Apple][series called P-Lisp by Gnosis.

I don't know if they're still around or where to find them; call Apple and ask
for their education dept. (or whatever they call it).

I used it in '83-4. It's truly remarkable what they sqeezed in there!

Alexis
...!ihnp4!physics!ccnysci!alexis

From -1609517028980423255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24e4e70540291351,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-24 05:38:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-dosadi!
binder
From: binder@dosadi.DEC (Dum vivimus vivamus)
Newsgroups: net.micro.apple
Subject: Re: Apple II 80 Colums card
Message-ID: <1844@decwrl.DEC.COM>
Date: Mon, 24-Mar-86 08:38:57 EST
Article-I.D.: decwrl.1844
Posted: Mon Mar 24 08:38:57 1986
Date-Received: Tue, 25-Mar-86 05:20:23 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 16

Sorry about that subject head, just washed my hands and can't do a thing with
them...

The best 80-column card I know of is the Applied Engineering Viewmaster-80,
which works in an Apple][,][+, or //e (slot 3). It is Videx compatible, but
it also has much advanced compatibility, including being (I think) the only
80-column card that supports the Applesoft HOME command. Retail price is
$139.00, from Applied Engineering, P.O. Box 798, Carrollton TX 75006.

BTW, I have a Viewmaster-80, and I am VERY satisfied with it.

Cheers,
Dick Binder   (The Steinless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }! decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From 1535530830831864868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5b7f0045ef200bd,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-03-24 07:44:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Version 1.0 Netnews CMS/BITNET 5/19/85; site PSUVM.BITNET
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!ibs
From: IBS@PSUVMB.BITNET
Newsgroups: net.micro.apple
Subject: CUSTOM PRINTER FILES WITH APPLEWORKS
Message-ID: <4627IBS@PSUVMB>
Date: Mon, 24-Mar-86 10:44:06 EST
Article-I.D.: PSUVMB.4627IBS
Posted: Mon Mar 24 10:44:06 1986
Date-Received: Wed, 26-Mar-86 03:06:24 EST
Expires: Tue, 8-Apr-86 00:00:00 EST
Lines: 7

What commands should I enter when making a custom printer file with
APPLEWORKS so I can do subscripting on a PROWRITER printer using
a GRAPPLER+ interface card? Thanks for any help.

-scott

From -536741444432806762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7e77e48b76a6e669,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-24 10:30:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site mtuxo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!45223wc
From: 45223wc@mtuxo.UUCP (w.cambre)
Newsgroups: net.micro.apple
Subject: NEWSROOM and modem questions
Message-ID: <1440@mtuxo.UUCP>
Date: Mon, 24-Mar-86 13:30:30 EST
Article-I.D.: mtuxo.1440
Posted: Mon Mar 24 13:30:30 1986
Date-Received: Wed, 26-Mar-86 02:35:30 EST
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 18

OK, I just bought a II C so I'm new to this group. Please
forgive me if I am repeating questions you have all discussed
already.

1: Can the 'NEWSROOM' package produce good quality print on
   a DisplayWrite II printer? I have the printer but I haven't
   sprung for the software yet. The only sample I saw was from
   a demo at computerland and the print was TERRIBLE. Since this
   could be a result of the salesman doing the demo, I thought I'd

ask the net.

2: What kind of modem and software should I get? I intend to do
terminal emulation to other computers (would prefer vt100 type)
and also file transfers to/from other computers (mostly Unix
host running various protocols, i.e. Kermit, cterm, etc.).

- Bill Cambre ADthanksVANCE {ihnp4!}mtuxo!45223wc

From -7547736856753028686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20bb500c26bc644c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-24 13:31:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site proper.UUCP
Path: utzoo!watmath!clyde!cbosgd!hplabs!amdahl!proper!elric
From: elric@proper.UUCP (elric)
Newsgroups: net.micro.apple
Subject: applesoft interpretation
Message-ID: <134@proper.UUCP>
Date: Mon, 24-Mar-86 16:31:05 EST
Article-I.D.: proper.134
Posted: Mon Mar 24 16:31:05 1986
Date-Received: Wed, 26-Mar-86 04:15:36 EST
Reply-To: shark@csuh.UUCP (Shooting Shark)
Organization: Tiburon Systems
Lines: 22

An esoteric question which is very important to me:

When one is using an operating system (ProDOS or DOS 3.3) and enters
a line, the line is checked for validity by the operating system.
If it can't swallow it, it is passed on to Applesoft in ROM. So,
if I were to type:
100 PRINT "FISH"
ProDOS (or DOS) wouldn't like it, and Applesoft would get it and
parse / tokenize it.

Question : What is the call to parse / tokenize a applesoft line?
I am writing a unix-like shell under prodos, and I'd like to
be able to program in BASIC just as easily under it (that is,
by just typing program lines, rather than invoking an editor or
otherwise exiting the shell).

Thanks in Advance,
Chris Rhodes / Shooting Shark / Tiburon Systems
uucp : {ihnp4,seismo,qantel,sun,etc.etc.}!lll-crg!csuh!shark (preferred)
!caip!unirot!shark (It'll do)
My opinions are my own. I could care less about the opinions of
csuh or unirot.

From 220698119511484426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 119eed,3297c4eb236c2ff,start
X-Google-Attributes: gid119eed,public
X-Google-Thread: 1622d3,3297c4eb236c2ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-25 13:47:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!mcnc!ecsvax!hargrove
From: hargrove@ecsvax.UUCP (William F. Hargrove)
Newsgroups: net.decus,net.micro.apple
Subject: Kermit Needed for Dec Rainbow and Apple IIe
Message-ID: <1316@ecsvax.UUCP>
Date: Tue, 25-Mar-86 16:47:21 EST
Article-I.D.: ecsvax.1316
Posted: Tue Mar 25 16:47:21 1986
Date-Received: Thu, 27-Mar-86 07:14:25 EST
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 4
Xref: watmath net.decus:283 net.micro.apple:2672

We need a version of kermit which runs on an Apple IIe and
also a version of kermit which runs on a Dec Rainbow.
Does anyone out there have either ?

From 3244986212046380438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e172c0add9ba8ae6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-25 14:40:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Aztec C, Information Request
Message-ID: <2cb60b4f.7005@apollo.uucp>
Date: Tue, 25-Mar-86 17:40:12 EST
Article-I.D.: apollo.2cb60b4f.7005
Posted: Tue Mar 25 17:40:12 1986
Date-Received: Wed, 26-Mar-86 19:49:18 EST
References: <853@alberta.UUCP> <2006@brl-smoke.ARPA>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Distribution: na
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 58
Summary:

In article <2006@brl-smoke.ARPA> gwyn@brl.ARPA writes:
> In article <853@alberta.UUCP> gordon@alberta.UUCP (Gordon Atwood) writes:
> >I would like to obtain as much data as possible on Aztec C, produced by Manx
> >Corporation. Details of other C compilers would also be appreciated.
>   For real speed I directly access peripheral registers
>   rather than sending I/O through the standard I/O hooks.

And if you really want to cruise, you can always talk to the screen
directly!

>   The ProDOS version is supposed to eventually have support
>   for cross-development of DOS 3.3 target applications.

They have that out in beta now, but I haven't tried it yet.

> >   4) Compatibility with "Standard C" [whatever that may be], (I prefer as
close
> >   to Kernighan as possible).
>   Aztec C is very close to K&R, and the ProDOS version
>   includes later features a la X3J11. Floating-point
>   support IS provided. Bit-fields were missing last I
>   looked. The library is closer to 7th Ed. UNIX than
>   to X3J11 or the SVID; this can be fixed easily enough.

Bit fields are in the new prodos version (least-wise the latest
update warned that arithmetic with bit fields didn't work yet, which
I assume means that bit-fields are there!)

> >   6) Any other information that will help in my making a decision concerning
> >   the purchase of this Package.
>   The ProDOS version is taking much longer to get to the
>   release point than Manx at first indicated. I get the
>   feeling that Jim Goodnow is their main developer and
>   he has been busy getting Mac & Amiga releases ready.
>   I've found the compiler itself to be pretty reliable,
>   but the ProDOS shell is not ready for serious use yet.

I agree with that. I doubt that the Apple][market is a major money
maker for them, so it doesn't get priority. On the other hand the only
other choice is the ORCA implementation of SmallC, which by their own
admission is not a production system (but you do get the entire source
code!).

-nazgul

--

...decvax!wanginst!apollo!nazgul

    Little Bo-Peep
    Has lost her sheep,

The radar has failed to find them.
    They'll all, face to face,
    Meet in parallel space,
Preceeding their leaders behind them.

                    A Space Child's Mother Goose

From 2785170981043732839
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e25cb694b8d0e9ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-26 01:55:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: two answers (sort of)
Message-ID: <2898@reed.UUCP>
Date: Wed, 26-Mar-86 04:55:44 EST
Article-I.D.: reed.2898
Posted: Wed Mar 26 04:55:44 1986
Date-Received: Fri, 28-Mar-86 07:16:51 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 50

first question) Where is the Applesoft Parsing routine.

$D56C

Well, you gotta look into this. It's real complicated. If you're going to do what I think you're going to do, you better go buy at least one of these. Merlin, Merlin Pro, Orca/M: They will give you a documented version of Basic in your machine. Absolutely neccessarry (1:30am, screw spelling) for getting into the nitty gritty. The Apple Atlas/Gazetteer (ibid). Great for looking up routines by what they do/where they are. Also, see if you can find some books on machine language that say something like (hidden applesoft entry points) etc.I have a myriad of these books. For more info, e-mail me and if enough people are dying to know how to screws up the scrn command in 80 col, I'll post books of interest. Perhaps then we can generate a net.list of paoples favourite misc.books.

tip of the morning (yeah, pun intended). From the Beagle Brother's Great Big Tip Book #1 (or whatever). Since DOS (NOT PRODOS) will take anything echoed through COUT, and if there just happens to be a $4 being printed in the very first column, you can do something like this:

10 rem filerfillerfiller.............(until it begins to wrap)
^DDOS COMMAND

this is handy if you want to reboot on an attempted list...

2) How to get subscripts on a C.Itoh Prowriter. I have one. Good luck.
Actually, I called C.Itoh and they sent me a RadioShack Basic program on
how to download custom fonts to my Prowriter. It's almost imperitive to
obtain a TMM2016P-2 2K RAM Chip to stick in a socket. Otherwise you can
get about 4 characters downloaded and wait forever to print. If you
have AppleWorks version 1.3, you can scroung things up to work with the
Grappler, you can get a free(?) update from a dealer. (Pretty sure it's
free...) Then see if you can get it to print telling it it's an
Imagewriter (Made by C.Itoh. VERY SIMILAR!!!) AppleWorks keeps track
of where the printhead is at all times when printing on an imagewriter,
so in case it gets a command to do subscripts it can do a half line feed,
go to where the print head was (It gets sent back on the half line
feed), prints the subscript, the does a half reverse line feed, and finds
it's way back to the right place to continue. Failing that, download a
subscript characterset to the Prowriter, give up Bold or Undelining to
turn on the custom set....big pain. You can buy a font downloader to do
this (I've seen add, I always see adds...) then use AppleWriter (THE
wordprocessor to use {Yeah, I'm hooked}). well, good luck, I'm going to
bed...

Sean Kamath

ihnp4(and other places)!tektronix!reed!kamath

From 4676521431929198102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff998acc7c884f2c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-26 16:11:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site birtch.UUCP
Path: utzoo!decvax!decwrl!pyramid!hplabs!oliveb!felix!birtch!ken
From: ken@birtch.UUCP (Ken B)
Newsgroups: net.micro.apple
Subject: fooling snoopers with DOS
Message-ID: <280@birtch.UUCP>
Date: Wed, 26-Mar-86 19:11:36 EST
Article-I.D.: birtch.280
Posted: Wed Mar 26 19:11:36 1986
Date-Received: Fri, 28-Mar-86 08:45:38 EST
Distribution: na
Organization: Birtcher, Santa Ana, Calif.
Lines: 60

     here is a way to fool dos into doing "whatever you want" if someone
lists YOUR APPLESOFT basic program. (note: this only applies to Applesoft)

Note: I havn't worked on an apple for about 3 years, so, please be patient,

'cause you'll have to do some looking for some stuff yourself.

make the first line of your program (line 0, 1, whatever) be in the form
of (type in EXACTLY!!):
0REM**FP

now, exit to the monitor (call -151), and examine location $0800 thru $080A
(hex addresses) with a command something like:
* 800L (note: this disassembles, but it will work)

some code will be displayed. at a location near $0806, you will see the
hex representation of two astriks'. what you want to do is to
poke into those two consecutive address, a c/r and a ctrl-d (hex 8D, 84
I think--look it up in one of the apple manuals--I don't have any with
me)

the format would be (if the two astriks' are at locations $0806 and $0807 is:
* 806:8D 84

at this point, exit back to basic (3D0G)

DO NOT LIST YOUR PROGRAM YET!!!!

if you do, your program will be wiped out!

save your program onto disk first.

now, list it.

oh noooo! its gone!

What happened? applesoft started to list your program. it dumped the remark
statement, which was a c/r, followed by a ctrl-d FP (the FP is a dos command)
DOS intercepted the FP, because the first character in the 'new line' was
a control-d.

This method will work to initialize a disk (rather nasty, don't you think?),
run another program, or whatever dos command you want to do.

(now, if you placed this line in fairly randome places around your program,
the snooper would have to find them all, before he/she could fully list
your code. I found it easier to imbed control-l's in a rem statement,
that way if they list your code onto a printer, they formfeed lots and lots
of paper! rather nasty, also!)

========

This might not be exceptionally clear, so if you have any questions, e-mail
them to me and I'll try to clear them up.

Ken Brown
--
uucp: ...{!glacier!oliveb,!ihnp4!trwrb} !felix!birtch!ken

These ramblings are my own, and are surely not those of my employer.

From 2461840784808018065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62dd5c46df7494e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-28 11:44:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bsdpkh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!akguc!
codas!bsdpkh!heff
From: heff@bsdpkh.UUCP (Paul K Heffner)
Newsgroups: net.micro.apple
Subject: 80-column on the Apple][
Message-ID: <190@bsdpkh.UUCP>
Date: Fri, 28-Mar-86 14:44:36 EST
Article-I.D.: bsdpkh.190
Posted: Fri Mar 28 14:44:36 1986
Date-Received: Sat, 29-Mar-86 16:18:26 EST
Distribution: net
Organization: AT&T-IS (SDSS), Orlando Fl.
Lines: 47

I've been reading the discussion of Apple][80-column video boards with interest and would like to inject my two cents worth. I bought my][+ in '78 back when you had a choice between the plain][(integer basic only) or][+ (Applesoft in rom!!) In the years since, the 80-col issue has never been resolved in a way I would consider satisfactory. Practically anybody who is used to working with VDT terminals will probably become disgusted with the unacceptably slow response of the cards available. The situation seems to be just as bad on the][e (and to me this is inexcusable considering the 80-vid on the][e is completely memory mapped and should be extermely fast!!).

Probably the best example of how dimly the Apple][']s video is regarded is the fact that when Digital Research (the folks who market CP/M) decided to release their own Z-80 board to run CP/M on the apple they put independent video circuitry right on their card in order to avoid having to tangle with the][']s snail-vid.

O.K. I've done enough bitching, so what's my solution? Well, it really depends on how you use your computer. After buying and dumping several 80-col boards over the years, I found the most satisfactory solution is to pop a communications serial board in slot 3 and use an external terminal. I found an old Perkin-Elmer Owl 1200 terminal for next to nothing and run it at 9600 baud. As I do most of my work with the Apple Pascal system or CP/M (both of which work GREAT with terminals) I have no problem with this set up. It even allows me to keep my color monitor on the

normal apple video output with no interference whatsoever! I can write turtlegraphics routines over on the terminal and watch the graphics results on the apple vid and debugging (or whatever) info simultaneously on the term.

The only problem is Applesoft, which doesn't easily talk to terminals without special coding. Most current 80-column boards trick the applesoft interpreter by intercepting display related calls (HOME, etc.). If Applesoft is your thing, the terminal trick is probably not for you. (The Mbasic with the CP/M card could make you swear off Applesoft forever, though!!!) If so, grit your teeth and watch that slooooooooow video scroll by...

Paul Heffner
AT&T-IS, Altamonte Springs, Fl.
{ihnp4,akgua,attmail}!bsdpkh!heff

my work on my Z-80 board or in Apple pascal

From -4657182348828134779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ac4e864ca818f9d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-29 09:20:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site nsc.UUCP
Path: utzoo!watmath!clyde!cbosgd!hplabs!amdahl!nsc!curry
From: curry@nsc.UUCP (Ray Curry)
Newsgroups: net.micro.apple
Subject: Apple IIe or IIc diagnostics
Message-ID: <3495@nsc.UUCP>
Date: Sat, 29-Mar-86 12:20:47 EST
Article-I.D.: nsc.3495
Posted: Sat Mar 29 12:20:47 1986
Date-Received: Sun, 30-Mar-86 10:46:15 EST
Reply-To: curry@nsc.UUCP (Ray Curry)
Distribution: net.micro.apple
Organization: National Semiconductor, Sunnyvale
Lines: 3
Keywords: Diagnostics

Several months ago I saw an advertisement for a diagnostics program for the Apple IIe, but I lost the ad. Can anyone tell me who makes such a beast and /or where I can find it?

From 2006355111728501568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62dd5c46df7494e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-29 18:34:05 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: 80-column on the Apple][
Message-ID: <2931@reed.UUCP>
Date: Sat, 29-Mar-86 21:34:05 EST
Article-I.D.: reed.2931
Posted: Sat Mar 29 21:34:05 1986
Date-Received: Tue, 1-Apr-86 06:48:19 EST
References: <190@bsdpkh.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 15

In article <190@bsdpkh.UUCP> heff@bsdpkh.UUCP (Paul K Heffner) writes:
>unacceptably slow response of the cards available. The situation
>seems to be just as bad on the][e (and to me this is inexcusable
>considering the 80-vid on the][e is completely memory mapped and
>should be extermely fast!!).
>
>   Paul Heffner

Well, that's true of the old //e. It was so slow because it did one
bank of the screen at a time. It had problems with 1200 baud modems,
also. The new //e is worth the upgrade price just for the faster
scrolling.

Sean Kamath
ihnp4!tektronix!reed!kamath

From 5439001405592680187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e46a1287c679dbba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-29 18:38:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihuxx!mcgregor
From: mcgregor@ihuxx.UUCP (t e macgregor)
Newsgroups: net.micro.apple
Subject: Locksmith 6.0 / Titan Accelerator //e Interaction
Message-ID: <975@ihuxx.UUCP>
Date: Sat, 29-Mar-86 21:38:42 EST
Article-I.D.: ihuxx.975
Posted: Sat Mar 29 21:38:42 1986
Date-Received: Tue, 1-Apr-86 07:46:30 EST
Distribution: net
Organization: AT&T Bell Laboratories

Lines: 20

Has anyone investigated the interaction between Locksmith and the
Titan Accelerator //e. The Titan people advertize hardware trans-
parency between the Apple and its Accelerator card. This has been
true for all software that I run except Locksmith 5.0 and 6.0.

My machine is a Apple][+ with the Accelerator card in slot 0. When
trying to use Locksmith 5.0 to do fast COPYA type backups a data disks,
the program hangs. I originally thought that this might be due
the 6502 - 65C02 instruction set difference. I eliminated timing loops
from consideration by initializing the accelerator card to run at
normal speed. Locksmith 6.0 boots to the main menu but does not
accept keyboard input. This occurs when running normal or accelerated.

The workaround is initialize the accelerator card to disengage at
boot time; however, this leaves me with a 48K apple. The arrange-
ment is satisfactory but not the way advertisement states it should be.

Have any other accelerator users noticed this phenomenon?

T. MacGregor

From 4390359750055030375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65d618aec8f99203,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-29 19:02:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihuxx!mcgregor
From: mcgregor@ihuxx.UUCP (t e macgregor)
Newsgroups: net.micro.apple
Subject: Super Serial Card behavior
Message-ID: <976@ihuxx.UUCP>
Date: Sat, 29-Mar-86 22:02:27 EST
Article-I.D.: ihuxx.976
Posted: Sat Mar 29 22:02:27 1986
Date-Received: Tue, 1-Apr-86 07:46:42 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 20

When establishing a link to a mainframe using a basic program and Super Serial
Card standard interfaces, I find that I can only transmit around 200 characters
before the Super Serial Card hangs. The following program sequence will
illustrate what I'm doing:

```
10 PRINT CHR$(4);"PR#2":REM INITIALIZE SERIAL CARD
20 FOR I = 1 TO 100
30 PRINT "THIS IS A TEST LINE BEING SENT TO A HOST COMPUTER OVER A
     DUPLEX LINK"
```

```
     40 NEXT I
     50 END
```

The program never completes. After transmitting around 200 characters, the program suspends. Experimenting, I find that by hitting a Ctrl Q
I can send another 200 characters. Looking through the Serial Card manual including some firmware code, I have been unable find out why this happens?

The same program works great with a CCS 7010-02 card. Any hints?

T. MacGregor

From 5229278092026820850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,4209ba31bb8096e2,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,4209ba31bb8096e2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-30 05:21:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!glacier!oliveb!hplabs!hao!seismo!rochester!pt.cs.cmu.edu!
spice.cs.cmu.edu!djz
From: djz@spice.cs.cmu.edu (Daniel Zigmond)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: Apple II 80 Column Card
Message-ID: <514@spice.cs.cmu.edu>
Date: Sun, 30-Mar-86 08:21:34 EST
Article-I.D.: spice.514
Posted: Sun Mar 30 08:21:34 1986
Date-Received: Wed, 2-Apr-86 01:15:28 EST
Organization: Carnegie-Mellon University, CS/RI
Lines: 8
Xref: watmath net.wanted:8528 net.micro.apple:2683

I have a Franklin 80 Column card that I would LOVE to sell.

     Dan

arpa: djz@spice.cs.cmu.edu
uucp: {harvard ucbvax}!spice.cs.cmu.edu!djz
bix: djz
phone:412-422-1979

From 2101002874413480683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62dd5c46df7494e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-30 11:30:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Re: 80-column on the Apple][
Message-ID: <1341@ecsvax.UUCP>
Date: Sun, 30-Mar-86 14:30:58 EST
Article-I.D.: ecsvax.1341
Posted: Sun Mar 30 14:30:58 1986
Date-Received: Wed, 2-Apr-86 01:04:09 EST
References: <190@bsdpkh.UUCP>
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 16

I disagree regarding the slowness of 80-column cards.

My Videx Videoterm that was bundled with Microsoft's CP/M card
scrolls faster than I can read.. The only problem is in high
speed terminal emulation such as 9600 baud- but my IBM compatables
(Compaq and Datavue) can't do that worth a d*mn either! Why buy a
$200 program for a $2500 computer to do the job that a $400
terminal does better?

Charles Lord
Triangle Research & Development Corp.
Research Triangle Park, NC
...!decvax!mcnc!ecsvax!cjl

From -4452016833224065182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae50700b3cc80817,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-30 11:46:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Mountain MusicSystem for Apple II
Message-ID: <1342@ecsvax.UUCP>
Date: Sun, 30-Mar-86 14:46:37 EST
Article-I.D.: ecsvax.1342
Posted: Sun Mar 30 14:46:37 1986
Date-Received: Wed, 2-Apr-86 01:04:36 EST
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 19

I recently decided to dust off my MusicSystem boards for the Apple II. They had been put away earlier due to lack of support/music/keyboard. A question to Netlanders:

Does anyone know of (or have) a database of songs (play or composition files) for the MusicSystem? Leads to a BBS or other source would be appreciated.

Also- does anyone know of a keyboard input available for the system?

Mail please- unless many have interest.

Charles Lord
Triangle Research & Development Corp.
Research Triangle Park, NC
...!decvax!mcnc!ecsvax!cjl

From -2338981518208907905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,69382f89fc0603b2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-31 01:19:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!bellcore!petrus!scherzo!allegra!princeton!orsvax1!pyrnj!
caip!seismo!cmcl2!rna!rocky2!cucard!ccnysci!alexis
From: alexis@ccnysci.UUCP
Newsgroups: net.micro.apple
Subject: Survey on Future Macintosh Architecture
Message-ID: <260@ccnysci.UUCP>
Date: Mon, 31-Mar-86 04:19:04 EST
Article-I.D.: ccnysci.260
Posted: Mon Mar 31 04:19:04 1986
Date-Received: Sat, 5-Apr-86 07:51:30 EST
Organization: City College of New York
Lines: 106

This article has just expired; since it is still current I am reposting it... BTW, is there anyone out there who is willing to route this to the ARPAnet and/or COMPUSERVE (and the replies back to me)? I don't have access to either.
Alexis

I recently posted a rather detailed survey dealing with what features a future Macintosh might have. This survey is in net.micro.mac. Since this survey is of interest to people who do not own a Mac, but might buy one, I am posting an abbreviated copy of the survey to all groups which would be interested. Please note that this is a SHORT copy. The one in net.micro.mac has sample answers given which you might find interesting. Please distribute copies to people who might want to respond, and please take the time to answer it yourself. The

only way any company will build your dream machine is if you tell them what you want. Apple will hear (though what they'll do is anyone's guess...).

Survey follows-----

The Mac Expo has come and gone, and while the Mac Plus is a nice upgrade to the current Mac, it's nothing like the machine I (or many other people) have hoped for. I am creating this survey in the hope that if Apple has not finalized its "TurboMac" (or "Open Mac", whatever), there may yet be some chance for us to have some say in its design. At the very least, Apple will have some idea what upgrades to build for THAT machine.

This survey is not addressed solely to Mac owners; If you own a Mac, I want to hear from you, but if you don't, this is a good chance to tell the world why you haven't bought a Mac yet, and what it would take to change your mind, so for example:
1) Unix hackers would want an alternative (not "replacement") OS
2) Graphics people could ask for larger, High Resolution screens
3) etc... use your imagination!

After each question on the survey, I have given my own answer, as an example. If you have a non-obvious reason for your non-obvious answer, please write it in, don't just say "PAL compatible" (that one would take some explaining...) In any event, don't flame me on the net; if you disagree, put it on the survey!

Please send all replies to ...ihnp4!physics!ccnysci!alexis
or USMail to:
Alexis Rosen
110 Riverside Drive
New York, N.Y. 10024
(212) 877-4854

A summary will be posted to the net, as well as to all the people in Apple who might be interested in this...

Thanks for responding...
/Alexis

----------Cut Here----------

A Survey on Possible Future Macintosh Architectures February 9, 1986

Section 1 -- The Hardware

1) What main processor chip should be used in the next Macintosh? If *NOT* the 68020, why not? Would you be willing to pay for a machine that cost $300 more than otherwise so as to have the 68020? If the 68000 or 68010 is used, should the 68020 be available as an Apple-made upgrade?

2) What coprocessors, if any, should be supported? Should they come with the

machine? If none, why?

3) How much memory should be supported? How much standard?

4) What other special chips should be standard? Supported? Why?

5) In general, what kind of architecture (open, closed, in between) should the new Mac have? If *NOT* open, why?

6) What I/O capabilities should be standard? Supported?

7) What peripherals should be standard? Supported? Should the monitor have the same size as the current Mac? Why or why not?

7a) Does the Mac need Color? Why or why not? How should it be implemented?

8) Please list any other requirements/suggestions for Mac HARDWARE.

Section 2 -- The Software

1) Should the Mac support any other operating system? UNIX? MS-DOS? OS-9? Any other? Why or why not?

2) Should any major changes be made in the Mac ROMs or System File? What?

3) What enhancements should be made to the current Finder?

4) How much concern should there be about compatibility with the old Mac?

5) Should the new Mac be packaged with software?

6) Any other comments about software? What would you like to see for the Mac?

7) Any last comments on Mac software?

----------Cut Here----------

Thanks for responding...
Alexis
...ihnp4!physics!ccnysci!alexis

From -6668889244060534448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c7f7664487abe99,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-01 04:10:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!umn-cs!isucs1!notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple

Subject: Needed: Apple [][Kermit source
Message-ID: <541@isucs1.UUCP>
Date: Tue, 1-Apr-86 07:10:26 EST
Article-I.D.: isucs1.541
Posted: Tue Apr 1 07:10:26 1986
Date-Received: Thu, 10-Apr-86 21:26:15 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 20
Nf-ID: #N:isucs1:9900026:000:787
Nf-From: isucs1!heins   Apr 1 01:47:00 1986

   Does anyone on the net have 6502 assembler source for the Apple version of Kermit 65? If so, I'd like to get one, as I have had no luck with any of the distributed binaries (they don't support much hardware - only the most common interfaces, and don't support 80 columns at all) What I need is an 80 column capable Kermit that supports either a Mountain Hardware CPS Multifunction Serial port, or a Novation Apple Cat][. The 80 column board I have is a ALS Smarterm.
   If anyone has a clue as to where I can get source to Kermit, E-Mail to me please.

                Lee Heins
           UUCP: {okstate | umn-cs}!isucs1!heins
           CSNET: heins@iowa-state
           Phone: 515/232-9057
           USnail: 404 Garden Road
                Ames, Iowa 50010

Disclaimer: Who would possibly take anything I say seriously? :-)

From 4971288306654953637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13b961,9e542d0c307353d6,start
X-Google-Attributes: gid13b961,public
X-Google-Thread: 1197bb,9e542d0c307353d6,start
X-Google-Attributes: gid1197bb,public
X-Google-Thread: 15f443,9e542d0c307353d6,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,9e542d0c307353d6,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1520b8,9e542d0c307353d6,start
X-Google-Attributes: gid1520b8,public
X-Google-Thread: 119e22,9e542d0c307353d6,start
X-Google-Attributes: gid119e22,public
X-Google-Thread: 15c7fc,9e542d0c307353d6,start
X-Google-Attributes: gid15c7fc,public
X-Google-Thread: 16325b,9e542d0c307353d6,start
X-Google-Attributes: gid16325b,public
X-Google-ArrivalTime: 1986-04-01 10:12:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbjade.BERKELEY.EDU
Path: utzoo!linus!decvax!bellcore!ulysses!ucbvax!ucbjade!ucbiris!michael
From: michael@ucbiris.berkeley.edu (Tom Slone [(415)486-5954])
Newsgroups:
net.politics,net.jobs,net.travel,net.wanted,net.sci,net.micro.apple,net.database,net.math.stat,net.bio
Subject: Update on technical travel to Nicaragua
Message-ID: <502@ucbjade.BERKELEY.EDU>
Date: Tue, 1-Apr-86 13:12:13 EST
Article-I.D.: ucbjade.502
Posted: Tue Apr 1 13:12:13 1986
Date-Received: Sat, 5-Apr-86 07:12:26 EST
Sender: usenet@ucbjade.BERKELEY.EDU
Reply-To: michael@ucbiris.BERKELEY.EDU (Tom Slone [(415)486-5954])
Organization: tecNICA
Lines: 44
Xref: linus net.politics:13689 net.jobs:2127 net.travel:2116 net.wanted:7841 net.sci:405 net.micro.apple:2407 net.database:240 net.math.stat:164 net.bio:230

tecNICA is an organization which provides technical expertise to the country of Nicaragua. Typically, a volunteer will pay her/his own airfare to Nicaragua, work for two weeks at a host agency in Managua and be given room and board by the agency at a residential inn (or hospedaje). Tours of the countryside are arranged for weekends and talks with officials and opposition leaders are often arranged for evenings. Computer specialists, mechanics, economists, agronomomists, telephone experts and other technicians have all made valuable contributions to the Nicaraguan government under the auspices of tecNICA. Current priority needs are:

1) Desalinization engineer with experience in design, erection, operation or maintenance of desalinization plants (multi-stage flash type)
2) Instructors for 123, Apple II, IBM 370, IBM 34/36, Symphony, dBase II, and advanced BASIC
3) Insurance experts in actuarial science, statistics, computerized systems, and marketing
4) Telephone traffic engineers, programmers and statisticians
5) Data processing personnel for a large agricultural project, with focus on social statistics
6) Administrator for civil engineering project

If you have other technical skills, chances are, you could make a valuable contribution to Nicaraguan society. I worked as a computer programmer (for the Ministry of Health and for the telecommunications center) in Managua in the Spring of 1985 and not only found that I was greatly appreciated, but found the trip to be a great cross-cultural experience, kind of like a mini-Peace Corps.

If you have questions, you may address them to me or you may contact tecNICA itself by calling:

Berkeley -- (415)654-7768; 110 Brookside Dr., Berkeley, CA 95705
San Francisco -- (415)848-0292
New York -- (212)427-0634
Boston -- (617)782-0510

Seattle -- (206)321-1367
Chicago -- (312)524-0198
Los Angeles (213)394-1183

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..arizona!___\ michael@ucbiris.berkeley.edu
..decwrl!_____!ucbvax!ucbiris!michael
..ihnp4!_____/
..sun!______/ michael%ucbiris@berkeley.arpa

From -2373862480210628853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62dd5c46df7494e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-01 11:43:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!decwrl!glacier!hplabs!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: 80-column on the Apple][
Message-ID: <237@ski.UUCP>
Date: Tue, 1-Apr-86 14:43:03 EST
Article-I.D.: ski.237
Posted: Tue Apr 1 14:43:03 1986
Date-Received: Thu, 3-Apr-86 05:16:04 EST
References: <190@bsdpkh.UUCP>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 33

> The only problem is Applesoft, which doesn't easily talk to
> terminals without special coding. Most current 80-column boards
> trick the applesoft interpreter by intercepting display related
> calls (HOME, etc.). If Applesoft is your thing, the terminal
> trick is probably not for you. (The Mbasic with the CP/M card
> could make you swear off Applesoft forever, though!!!) If so, grit
> your teeth and watch that slooooooooow video scroll by...
>
>
> Paul Heffner
> AT&T-IS, Altamonte Springs, Fl.
> {ihnp4,akgua,attmail}!bsdpkh!heff

While it's true the Apple][e 80-column board is slow, I think this is because the scrolling is done in software. Sean Kamath pointed out that the monitor ROM's in the enhanced //e help the system scroll faster.

However, in reading the Softerm II manual, I find that most other 80-column cards for the Apple use hardware scrolling, which I understand is MUCH faster, and able to keep up with higher-than 1200

baud rates. I think most of these other cards are normal-clot cards,
rather than auxiliary-slot cards. Since I haven't used these, I can't
tell first-hand what the speed increase looks like.
--
==
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 3911318258653427558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24e4e70540291351
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-01 12:01:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!linus!decvax!bellcore!ulysses!mhuxr!mhuxn!ihnp4!gargoyle!sphinx!ant3
From: ant3@sphinx.UChicago.UUCP (Butch Anton)
Newsgroups: net.micro.apple
Subject: Re: Apple II 80 Colums card
Message-ID: <1846@sphinx.UChicago.UUCP>
Date: Tue, 1-Apr-86 15:01:27 EST
Article-I.D.: sphinx.1846
Posted: Tue Apr 1 15:01:27 1986
Date-Received: Sat, 5-Apr-86 05:04:52 EST
References: <1844@decwrl.DEC.COM>
Reply-To: ant3@sphinx.UUCP (Butch Anton)
Organization: U. Chicago - Computation Center
Lines: 28
Summary:

Well, I beg to differ about what 80 column card is the best.

Please note: I'm not saying that this particular card is
the best; I'm merely saying that this card represents a
GOOD choice for an 80 column card. It might possibly be
the best 80 column card on the market.

Now that I have all of that garbage out of the way,
I'd like to put in my plug for the Videx Ultraterm. This
particular card does not only 80 column, but 132 column and
160 column. It also will do 32 lines per page, and 48 lines
per page. In fact, it has 7 or 8 (I don't remember for sure)
different modes. Oh, it also supports the home command in
Applesoft.

Cost = $expensive (~$190 I think)

--
Butch Anton
University of Chicago

    uucp: ...ihnp4!gargoyle!sphinx!ant3
        ...ihnp4!gargoyle!bourbaki!butch
    mailnet: x9.xba@UChicago.Mailnet
    bitnet: ant3%sphinx@UChicago.Bitnet
    ARPA: x9.xba%UChicago.Mailnet@MIT-Multics.ARPA
    USnail: 2560 E. 72nd Place   (312) 731-6314 home
          Chicago, IL 60649   (312) 731-6750 work

From -2664234272088800413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ac4e864ca818f9d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-01 12:19:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!ll-xn!caip!lll-crg!lll-lcc!well!
elliot
From: elliot@well.UUCP (Elliot Fabric)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe or IIc diagnostics
Message-ID: <863@well.UUCP>
Date: Tue, 1-Apr-86 15:19:56 EST
Article-I.D.: well.863
Posted: Tue Apr 1 15:19:56 1986
Date-Received: Mon, 14-Apr-86 01:24:36 EST
References: <3495@nsc.UUCP>
Reply-To: elliot@well.UUCP (Elliot Fabric)
Distribution: net.micro.apple
Organization: Whole Earth Lectronic Link, Sausalito CA
Lines: 4
Keywords: Diagnostics

Call (415) 885-1633. Apex Info Systems. Mike Nadelman was one
of the authors of the program I think, although he didn't
write it for Apex. He could tell you where to order.

From 8234753140976694876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7efa1fc43292441c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-01 17:29:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!linus!decvax!bellcore!ulysses!mhuxr!mhuxn!ihnp4!gargoyle!sphinx!god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple
Subject: Super/subscripts-Appleworks/Prowriter

Message-ID: <1848@sphinx.UChicago.UUCP>
Date: Tue, 1-Apr-86 20:29:01 EST
Article-I.D.: sphinx.1848
Posted: Tue Apr 1 20:29:01 1986
Date-Received: Sat, 5-Apr-86 05:08:58 EST
Reply-To: god3@sphinx.UUCP (Peter Godwin)
Distribution: net.micro.apple
Organization: University of Chicago Computation Center
Lines: 78
Keywords: Appleworks Prowriter Imagewriter Apple DMP
Summary:

It seems that many people are curious as how to get super and subscripts
with the Prowriter/Imagewriter/Apple Dot Matrix Printer (DMP) all of
which are basically the same.

Below is a little method I use It will not work with the Near Letter
Quality Mode on a Prowriter Plus. For an explanation of the commands
refer to your printer reference manual under escape sequences and special
commands.

Commands to get boldface, underlining, super and subscripts
with a Prowriter using Appleworks:

Select custom printer from the printer menu.

Then...
set boldface with the escape sequences
begin --> Escape !
end   --> Escape "

set underline as:
begin --> Escape X
end   --> Escape Y

and...

subscripts:
begin --> Escape [Escape T08 Control-J
end   --> Escape r Control-J Escape f Escape T24 Escape]

superscripts:
begin --> Escape [Escape T08 Escape r Control-J
end   --> Escape f Control-J Escape T24 Escape]

where I have indicated lowercase characters and uppercase characters
I have done it intentionally.... Just type exactly what is there
(substituting the <ESC> key for Escape and <CTRL> key for Control of
course)

Test it out first... I have a Prowriter Plus with NLQ (Near Letter Quality)

mode and it doesn't work with NLQ mode... but it should work otherwise.

If you look in your manual you can see what I have done exactly.

and questions...???... just write back

Peter Godwin
University of Chicago
U of C Computation Center

uucp: ...ihnp4!gargoyle!sphinx!god3
mailnet: x9.xpg@UChicago.Mailnet
bitnet: god3%sphinx@UChicago.Bitnet
ARPA: x9.xpg%UChicago.Mailnet@MIT-Multics.ARPA

USnail: Room 2322x
5824 S. Kimbark Avenue Home: 312-288-1816
Chicago, IL 60637

--

Peter Godwin
University of Chicago
U of C Computation Center

uucp: ...ihnp4!gargoyle!sphinx!god3
mailnet: x9.xpg@UChicago.Mailnet
bitnet: god3%sphinx@UChicago.Bitnet
ARPA: x9.xpg%UChicago.Mailnet@MIT-Multics.ARPA

USnail: Room 2322x
5824 S. Kimbark Avenue Home: 312-288-1816
Chicago, IL 60637

From -3521830228193528761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9209815b3db8cffc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-02 05:27:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!ubc-vision!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: MISSING THE LOAD FILE FOR H19 EMULATION
Message-ID: <124@garfield.UUCP>
Date: Wed, 2-Apr-86 08:27:11 EST
Article-I.D.: garfield.124

Posted: Wed Apr 2 08:27:11 1986
Date-Received: Thu, 3-Apr-86 07:58:47 EST
References: H19
Sender: paulc@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 6

In my system, I can't find the H-19 emulator loading program.
I think it's called LOADINTEL.EXEC.
Would somebody here send me a copy of it or repost this part, please?
I can't send a letter to somebody outside the system.
Thank you.
loadintel.exec

From -1333186408238973238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65d618aec8f99203
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-02 07:04:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
noscvax!tetra!jtjones
From: jtjones@tetra.UUCP (Jeffrey T. Jones)
Newsgroups: net.micro.apple
Subject: Re: Super Serial Card behavior
Message-ID: <138@tetra.UUCP>
Date: Wed, 2-Apr-86 10:04:49 EST
Article-I.D.: tetra.138
Posted: Wed Apr 2 10:04:49 1986
Date-Received: Sat, 5-Apr-86 08:50:23 EST
References: <976@ihuxx.UUCP>
Reply-To: jtjones@tetra.UUCP (Jeffrey T. Jones)
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 36

In article <976@ihuxx.UUCP> mcgregor@ihuxx.UUCP (t e macgregor) writes:
>When establishing a link to a mainframe using a basic program and Super Serial
>Card standard interfaces, I find that I can only transmit around 200 characters
>before the Super Serial Card hangs. The following program sequence will
>illustrate what I'm doing:
>
> ....
>
>The program never completes. After transmitting around 200 characters, the
>program suspends. Experimenting, I find that by hitting a Ctrl Q
>I can send another 200 characters. Looking through the Serial Card manual
>including some firmware code, I have been unable find out why this happens?
>

Are you sure that the host computer simply isn't sending a control-S back
to the Apple to suspend the input temporarily? This is what most computers
will do, otherwise the host's or the micro's buffer would/could overflow
during uploads/downloads.

You might try and slow the Apple down some, just to see if this is the
problem. It won't fix what you want to do, but it might give you some
ideas.

Just stick a line in the program before you start sending data that reads,

12 SPEED = 200   (or 175, or even 150)

This should slow down the transfer rate, and the host should be able to
accept more characters than just 200. Hope this helps, sorry if it doesn't.

                                    Jeff
--
Any opinions expressed are my own, and have NO connection with my employer.
--
Jeffrey T. Jones   jtjones@nosc.ARPA
(619) 225-7815   {ihnp4,decvax,ucbvax}!sdcsvax!noscvax!jtjones

From 2114403057457627574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fa1da2ff9f19ad27,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-02 13:48:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!ittatc!dcdwest!sdcsvax!ucbvax!nike!lll-crg!mordor!jtk
From: jtk@mordor.ARPA (Jordan Kare)
Newsgroups: net.micro.apple
Subject: Apple plotter pens for sale
Message-ID: <6151@mordor.ARPA>
Date: Wed, 2-Apr-86 16:48:12 EST
Article-I.D.: mordor.6151
Posted: Wed Apr 2 16:48:12 1986
Date-Received: Thu, 3-Apr-86 23:25:44 EST
Distribution: na
Organization: S-1 Project, LLNL
Lines: 13
Keywords: plotter pens

     Courtesy of a local auction, I have several hundred
pens for Apple 4-color plotters. These are the odd, quarter-cylinder
shaped pens that (to my knowledge) fit ONLY the Apple plotter.
I'll sell them cheap -- 75 cents ea, less in quantity. New, still
sealed, all colors, .3 and .7 mm, regular or
transparency. Somebody take my pens ... please!

     Jordin Kare   ...!lll-crg!s1-mordor!jtk

16264 Saratoga St. #2
San Leandro, CA 94578

(415) 528-3172 (Off Centaur Publications -- leave me a msg)

From 4682227978774782741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62dd5c46df7494e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-04 04:38:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: Re: 80-column on the Apple][
Message-ID: <2508@sdcc6.UUCP>
Date: Fri, 4-Apr-86 07:38:30 EST
Article-I.D.: sdcc6.2508
Posted: Fri Apr 4 07:38:30 1986
Date-Received: Sat, 5-Apr-86 10:28:42 EST
References: <190@bsdpkh.UUCP> <237@ski.UUCP>
Reply-To: ix742@sdcc6.UUCP (James Hayes)
Distribution: net
Organization: UCSD 3bnet funtime lab.
Lines: 24

dr@ski.UUCP (David Robins) writes in article <237@ski.UUCP>:
>> ...
>> could make you swear off Applesoft forever, though!!!) If so, grit
>> your teeth and watch that slooooooooow video scroll by...
>
>...However, in reading the Softerm II manual, I find that most other
>80-column cards for the Apple use hardware scrolling, which I
>understand is MUCH faster, and able to keep up with higher-than 1200
>baud rates. I think most of these other cards are normal-clot cards,
>rather than auxiliary-slot cards. Since I haven't used these, I can't
>tell first-hand what the speed increase looks like.

The speed increase is wonderful. My 80 column card scrolls in appox.
15 usec. (yes 15) The display can't keep up with it.

It uses a Motorola 6845 display controller in it. Just change two
words (two 16 bit addresses), and you're done.

Jim Hayes, UCSD.
--
UUCP: {ihnp4, ucbvax, celerty, etc...}!sdcsvax!wizard!hayes
ARPA: hayes%wizard@UCSD.EDU

From 6727397445883566569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae06b5623ae764e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-07 11:20:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bambi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!petrus!magic!science!bambi!steve
From: steve@bambi.UUCP (Steve Miller)
Newsgroups: net.micro.apple
Subject: need help with shugart 400
Message-ID: <393@bambi.UUCP>
Date: Mon, 7-Apr-86 14:20:27 EST
Article-I.D.: bambi.393
Posted: Mon Apr 7 14:20:27 1986
Date-Received: Wed, 9-Apr-86 22:33:57 EST
Distribution: net
Organization: Bell Communications Research Inc., Morristown, NJ
Lines: 5

I have an apple][with no disk drive or controller.
Can anyone mail me help on using a Shugart 400 drive
with this machine?

     -thanks, Steve Miller ihnp4!bambi!steve

From 7379638737396639006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1584780901462fe6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-08 05:27:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site mtgzy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!mtgzy!sts
From: sts@mtgzy.UUCP (s.l.talaricoswier)
Newsgroups: net.micro.apple
Subject: Can't Reply By Mail
Message-ID: <1706@mtgzy.UUCP>
Date: Tue, 8-Apr-86 08:27:50 EST
Article-I.D.: mtgzy.1706
Posted: Tue Apr 8 08:27:50 1986
Date-Received: Thu, 10-Apr-86 06:59:22 EST
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 13

To Jim Hayes,

I'm having great difficulty reaching you by email. The path
on your signature doesn't work for me. Do you have a copy of
the e-mail message that I did get through to you? Please send
that path.

Thanks for all your help.

Sorry to take up news space

-Sandy Swier
ihnp4!mtgzy!sts

From -4629738905703529439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,91486228b431d7d5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-09 06:27:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-thehut!
binder
From: binder@thehut.DEC (Dum vivimus vivamus)
Newsgroups: net.micro.apple
Subject: Re: need help with shugart 400 drive
Message-ID: <2224@decwrl.DEC.COM>
Date: Wed, 9-Apr-86 09:27:42 EST
Article-I.D.: decwrl.2224
Posted: Wed Apr 9 09:27:42 1986
Date-Received: Fri, 11-Apr-86 00:47:07 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 22

> I have an apple][with no disk drive or controller. Can anyone mail me
> help on using a Shugart 400 drive with this machine?

>   -thanks, Steve Miller ihnp4!bambi!steve

Steve,

My own machine is a homebuilt Apple][+ clone, and my disk subsystem uses
Shugart SA400L drives, suitably modified, with a controller card that's a
modified version of the standard Apple card. I can provide schematics of
the controller card, together with modification instructions for the Shu-
gart drive. (If your drive isn't an SA400L, then it'll probably be a bit
different, but the modification is all in the area of the stepper control
and so could be worked out.)

Send me your USnail address, and I'll put together a package for you.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From -8619459256353913992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ed1263b36ac9749e,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,ed1263b36ac9749e,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,ed1263b36ac9749e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10cb58,ed1263b36ac9749e,start
X-Google-Attributes: gid10cb58,public
X-Google-ArrivalTime: 1986-04-10 15:32:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!genrad!panda!talcott!harvard!tomczak
From: tomczak@harvard.UUCP (Bill Tomczak)
Newsgroups: net.micro.mac,na.forsale,net.micro.apple,net.micro
Subject: Macintosh Jazz
Message-ID: <856@harvard.UUCP>
Date: Thu, 10-Apr-86 18:32:35 EST
Article-I.D.: harvard.856
Posted: Thu Apr 10 18:32:35 1986
Date-Received: Fri, 11-Apr-86 17:50:24 EST
Distribution: na
Organization: Aiken Comp Lab, Harvard
Lines: 11

I've sold my Mac! (sniff) But my buyer has no use for Jazz.
If you would like to by it from me, I could use the money.
I'm asking $300, but will consider any reasonable offers.

Send email to....
--

```
           +-------------------------------------+
           | Bill Tomczak                        |
           | uucp: harvard!tomczak               |
           | arpa: tomczak@harvard.harvard.edu   |
           +-------------------------------------+
```


From -2657962449442934668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129fb9,582f47a8242386ad,start
X-Google-Attributes: gid129fb9,public
X-Google-Thread: 1622d3,582f47a8242386ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-10 15:34:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!aplcen!jhunix!ins_armr
From: ins_armr@jhunix.UUCP (Rudy M Rumohr)
Newsgroups: net.micro.apple,net.lang.mod2
Subject: Modula Corporation
Message-ID: <2478@jhunix.UUCP>
Date: Thu, 10-Apr-86 18:34:29 EST
Article-I.D.: jhunix.2478

Posted: Thu Apr 10 18:34:29 1986
Date-Received: Sun, 13-Apr-86 07:20:29 EST
Reply-To: ins_armr@jhunix.UUCP (Rudy M Rumohr)
Organization: Johns Hopkins Univ. Computing Ctr.
Lines: 27
Xref: linus net.micro.apple:2417 net.lang.mod2:417

I was wondering if anyone has heard about products from the Modula Corporation. They had advertisements a couple of months running in Byte in the latter half of last year, and I haven't heard a whole lot about them or any of their products since. They purported to offer Modula-2 compilers for the Apple //-series, the IBM-PC, and Mac, and also supposedly sold the Lilith. They were based in Provo, Utah, I believe...

Since I am looking for a Modula-2 compiler for my //c, I would like to know if these guys are still around, and if anybody has used any of their stuff. As I understood, their compiler was only $90.00!

Also, if anybody knows any other Modula-2 compilers for Apple, if you'd be so kind as to drop me a line...

As always, thanks in advance!

--

Rudy Rumohr Jr. 3339 N. Charles St. Apt. 1-AL
Baltimore, MD 21218
UUCP: {ihnp4!whuxcc, seismo!umcp-cs, allegra!hopkins}!jhunix!ins_armr -or-
ARPANET: rumohr@hopkins
| The characters and events portrayed above are entirely fictitious; |
| any resemblance to persons, living or dead, is purely coincidental. |

"And the knowledge that they fear/Is a weapon to be held against us..."--Rush

From -4006339301172613900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,d0b191708cfa5976,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,d0b191708cfa5976,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-12 23:31:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax4.fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!uw-beaver!fluke!star
From: star@fluke.UUCP (David Whitlock)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Cable Pinout for Apple Color Plotter Needed!!!
Message-ID: <3206@vax4.fluke.UUCP>
Date: Sun, 13-Apr-86 02:31:20 EST
Article-I.D.: vax4.3206

Posted: Sun Apr 13 02:31:20 1986
Date-Received: Fri, 18-Apr-86 04:22:31 EST
Distribution: net
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 12
Xref: watmath net.micro.mac:5607 net.micro.apple:2707

Does anyone know of the correct pinout ie wiring for a Apple Color plotter

Please e-mail info to address below.

thanks,

--
Dave Whitlock

{decvax!microsof,uw-beaver,ssc-vax,allegra,lbl-csam}!fluke!star

--John Fluke Mfg. Co., 33031 Schoolcraft Road, Livonia, MI 48150

From 9197085591593906281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f28aea5a0773e0f2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-14 02:35:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: Apple vt100 emulator (Part 1 of 3) (Information)
Message-ID: <2526@sdcc6.UUCP>
Date: Mon, 14-Apr-86 05:35:40 EST
Article-I.D.: sdcc6.2526
Posted: Mon Apr 14 05:35:40 1986
Date-Received: Wed, 16-Apr-86 04:02:49 EST
Organization: UC San Diego EE/CS Department.
Lines: 85
Keywords: vt100 emulator Apple

****
DCOM 3.21 -- A vt100 emulator for you Apple][,][+, //e, //c
****

Well, many thanks to all who commented and submitted bug reports
on the beta version of DCOM. Every problem reported to me (except
one) has been fixed. New features have also been added. It now
supports the following hardware:

80 Column cards:

   Apple //e 80 column display
   Apple //c 80 column display
   Computer Stop Double (and Omni) vision 80 column displays

Serial Cards:

   Apple Super Serial Card
   ALS Dispatcher
   //c internal port
   "Generic" serial card (one that works with the P-System)
   CPS Multi-Function Card
   SSM-AIO-II

Communication Hardware: (OPTIONAL, but not necessary to run DCOM.)

   Hayes compatible modem (Used for tone/pulse dialing)
   Ungermann/Bass Net-One LAN (Provides "auto-connect" fucntion)
   Direct wired communication port.

Bells and whistles:

   o Auto-dialing of phone numbers + disconnection on demand.

   o "English" set-up menus + option saving.

   o Full vt100/vt52 keypad and function key support.

   o Works with VMS/UNIX and anything that needs a vt100.

   o Supports double-wide/double-high characters through double
     spacing and underlining.

   o Passes "vttest". [A wonderful program (written by Per Lindberg at
     Stockholm University, Sweden in 1984) that tests programs for
     vt100 compatibility.]

   o Comes with instruction manual AND documentation on how to write
     hardware drivers/modify drivers to reflect your hardware
     configuration.

   o ANSI editing functions exist. Delete/insert line/char follow
     standard ANSI conventions. A list of the ANSI supported escape
     sequences will be posted next week.

   o Kid tested, mother approved. (Truth. I'm not kidding)

Fixed bugs from version 3.1 beta:

Arrow keys function much better.

Set-up menu options now save.
Ungraceful exit to BASIC is now graceful.
Non-existent RESET function now exists.

Special Thanks:

Chris Borton (Micro-Consultant at UCSD) for vttest.c and the time taken to offer criticism, help, and encouragement.

Heather Ebey (Communications Specalist at UCSD) for her help (and sanity) in the development of the CPS Multifunction Card serial driver.

This concludes part 1 of 3. Part 2 contains the downloadable DCOM program. Part 3 contains the documentation for writing your own hardware drivers.

From 5261083706230246919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c3f11ad1689bd84,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-14 02:41:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: vt100 emulator (Part 2 of 3) (Binaries)
Message-ID: <2527@sdcc6.UUCP>
Date: Mon, 14-Apr-86 05:41:22 EST
Article-I.D.: sdcc6.2527
Posted: Mon Apr 14 05:41:22 1986
Date-Received: Thu, 17-Apr-86 04:17:36 EST
Organization: UC San Diego EE/CS Department.
Lines: 2778
Keywords: vt100 emulator Apple

This is down-loadable portion of DCOM 3.21 with instructions.

If you can't download the files or need source code (~120 K bytes) to adapt DCOM to your hardware, I will send you a disk containing a working copy of DCOM 3.21 with source code + documentation on the flip side. Along with that, will be printed instructions and notes on the latest release of DCOM.

Since the last posting, six people have requested copies and source code. They were mailed last week, and contain the new version of DCOM.

If you want the source code and working copy of DCOM, send a disk + mailer

+ donation (you decide what. Going rate is $20), -or- If you don't want to mail a disk, $25 will do...

to: Jim Hayes, P.O. Box 221044, University City, CA, 92122-1044

    Phone: (619) 450-9316 (<--- Phone valid until June, 1986)

(I used to charge $9, but found I was losing money rapidly.) I'm not out for profit, just trying to recover my costs.

```
-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT
#! /bin/sh
# This is a shell archive, meaning:
# 1. Remove everything above the #! /bin/sh line.
# 2. Save the resulting text in a file.
# 3. Execute the file with /bin/sh (not csh) to create the files:
#    unpack.info
#    instructions
#    to.apple.1
#    to.apple.2
#    to.apple.3
# This archive created: Mon Apr 14 01:11:44 1986
# By:    James Hayes (UC San Diego EE/CS Department.)
export PATH; PATH=/bin:$PATH
echo shar: extracting "'unpack.info'" '(908 characters)'
if test -f 'unpack.info'
then
     echo shar: will not over-write existing file "'unpack.info'"
else
sed 's/^XX//' << \SHAR_EOF > 'unpack.info'
XXInstructions for unpacking:
XX
XXDownload the three files "to.apple.x" (where x is 1, 2, and 3) to a
XXfreshly initialized DOS 3.3 diskette.  When finished, log out and
XXboot the disk with the "to.apple.x" files on it.   At the ']' prompt
XXtype:
XX
XXEXEC TO.APPLE.1
XX
XX(The disk will spin and let you know that it's unpacking.  When it
XXis done, it will ask you to type a few things.  Don't be shy.  Type
XXaway.)  Don't be alarmed if you don't see your particular hardware
XXdriver being unpacked, some of the drivers do the work for many
XXhardware configurations.
XX
XXYou will be asked to EXEC all 3 "to.apple.x" files on the disk.  The
XXlast file unpacks the BASIC startup programs and is silent.  Please
XXbe patient.
XX
XXAfter your system has pronounced itself sane, and unpacking has
XXfinished, type "RUN HELLO" at the ']' prompt (or re-boot your
XXsystem).
XX
```

```
XXNow read the file "instructions" for information on how to use
XXDCOM 3.21.
SHAR_EOF
if test 908 -ne "`wc -c < 'unpack.info'`"
then
     echo shar: error transmitting "'unpack.info'" '(should have been 908
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'instructions'" '(19867 characters)'
if test -f 'instructions'
then
     echo shar: will not over-write existing file "'instructions'"
else
sed 's/^XX//' << \SHAR_EOF > 'instructions'
XX
XX
XX
XX
XX
XX
XX
XXDistribution Notes: Version 3.21
XX
XX
XX1.   Side one of the diskette contains a working version  of
XX
XX     DCOM.   Everything needed to run the program (programs,
XX
XX     documentation) is on side one.
XX
XX
XX2.   Side two contains the copyrighted (yes really.  Library
XX
XX     of Congress, TX form in all!) source code as Apple TEXT
XX
XX     files.  The source files were created with  the  Merlin
XX
XX     Assembler from Southwestern Data Systems.  All attempts
XX
XX     have been made to "de-Merlinize" the code.
XX
XX
XX3.   The X-ON/X-OFF handshaking  protocol  has  been  imple-
XX
XX     mented.
XX
XX
XX4.   The vt100 "report" strings were added.
XX
XX
XX5.   All the documented vt100 sequences are  recognized  and
XX
```

XX   only hardware limitations prevent some of them from
XX
XX   working. (i.e. 132 columns.)
XX
XX
XX6.   The vt52 compatibility set has been added also.
XX
XX
XX7.   The vt52 Pf and arrow keys are working properly.
XX
XX
XX8.   General bugs were fixed.
XX
XX
XX
XX
XX
XXShareware donations can be mailed to the following address.
XXFor more information on what that entitles you, see the
XXstartup screen when you run the program.
XX
XX
XX
XX
XX
XX   April 14, 1986
XX
XX
XX
XX
XX
XX
XX
XX
XXThe vital information:
XX
XXJim Hayes   (619) 450-9316 <- Until June '86
XXP.O. Box 221044 (Yes, 221044) <- Forever
XXUniversity City, CA
XX   92122-1044
XX
XX
XX
XXUUCP: {ucbvax, ihnp4, decvax, etc.}!sdcsvax!wizard!hayes
XX
XXARPA: hayes%wizard@UCSD.ARPA
XX
XX
XX
XX
XX
XX
XX

XX
XX
XX

XX
XX
XX Instructions
XX
XX
XX
XX Copyright (C) 1986 James A. Hayes
XX La Jolla, California
XX
XX
XX
XX

XX
XX
XX
XX
XX
XX
XX
XX
XXBackground
XX
XX
XX   The DCOM vt100 emulator was developed from utter frus-
XX
XXtration at the lack of a suitable terminal emulator on the
XX
XXmarket. While some programs promise ``vt100'' emulation,
XX
XXmore often than not they usually deliver a ``brain-damaged''
XX
XXprogram that barely works with UNIX+ or VMS*, or not at all.
XX
XXDCOM was written with UNIX and VMS in mind. It has many
XX
XXbells and whistles not found in other emulators.
XX
XX
XX   In the mainframe computer world, connecting to an Apple
XX
XXPersonal Computer can be (and most usually is) FRUSTRATING.
XX
XXSo many variables that didn't used to be problems show up.
XX
XXFor instance: Can the computer talk to the modem? Can the
XX
XXmodem talk to the computer? Can the computer talk to the
XX
XXApple's screen?   Most (usually all) of these problems are
XX
XXsolved using DCOM.
XX
XX
XX   DCOM is written entirely in 6502 Assembly Language, and
XX
XXis started from a BASIC program at boot time. It does not
XX
XXuse interrupts, and can operate at speeds as fast as 7200
XX
XXbaud.   Some serial drivers cannot tolerate this however.
XX
XX(See driver notes at the end.)
XX
XX
XX

XX
XX
XX
XX----------
XX+UNIX is a trademark of AT&T Bell Laboratories
XX*VMS is a trademark of Digital Equipment Corporation
XX
XX
XX
XX
XX
XX
XX   April 14, 1986
XX
XX
XX
XX
XX

XX
XX
XXInstructions:
XX
XX
XX   Before you can successfully run DCOM, you must know a
XX
XXfew things about the hardware connected to your computer.
XX
XXThese are the major questions:
XX
XX
XX1.   Can my modem dial the phone using the standard Hayes
XX
XX   dialing commands? (e.g. ATDT 5551212) If it can't, you
XX
XX   will have to dial the phone manually.
XX
XX
XX2.   What communication parameters do I need to know, so I
XX
XX   can tell DCOM so it can communicate properly with the
XX
XX   machine I'm calling? (Find out how many stop bits you
XX
XX   need, parity, and number of transmission data bits from
XX
XX   the operators of the machine you are calling.) If you
XX
XX   can't find out, just experiment!
XX
XX
XX3.   What type of display (//e, //c, DoubleVision, etc.) do
XX

XX   I have?
XX
XX
XX4.   What type of connection will I be using? (A //c serial
XX
XX   port, Apple Super Serial Card, etc.)
XX
XX
XX5   Where is the serial connection located? (Internal for
XX
XX   //c or a slot number for everyone else.)
XX
XX
XX   Don't worry if you can't answer all the questions, the
XX
XXprogram is very flexible about what you do to it, and exper-
XX
XXimentation is easy.
XX
XX
XX
XX
XX
XX
XX
XX   April 14, 1986
XX
XX
XX
XX
XX
XXDCOM Instructions   -3-
XX
XX
XXStarting the Program
XX
XX
XX   Insert the DCOM diskette into your computer, turn on
XX
XXyour modem, and turn on the computer. Please type answers to
XX
XXthe configuration program in uppercase letters.   (Uppercase
XX
XXletters are used to allow Apple][and][+ users to use the
XX
XXconfiguration program.) You will be greeted with a friendly
XX
XXstart-up message. At this point you have two easy choices.
XX
XXTyping <RETURN> will start-up the terminal, and <ESC> will
XX
XXlet you tell the program about the hardware you have
XX

XXattached to your Apple.
XX
XX
XX   Since it is your first time, type <ESC> (If you hit
XX
XX<RETURN> DCOM will figure out what's going on and move you
XX
XXto the configure program just as well.)
XX
XX
XX   You will be asked a few questions about your hardware.
XX
XX
XX1.   What 80-column display do you have? Select your card
XX
XX   from the list, type it's number, and hit <RETURN>. If
XX
XX   your equipment is not on the list, (Notably the VIDEX
XX
XX   INC. cards) then you cannot use DCOM. (If you can't
XX
XX   use DCOM, see the section about writing your own
XX
XX   drivers toward the end of the manual.)
XX
XX
XX2.   What serial comm. card do you have?   This is asking
XX
XX   about how your computer talks to the modem. Choose
XX
XX   your setup from the presented choices, type its number
XX
XX   and hit <RETURN>.   If you don't see your choice, try
XX
XX   the GENERIC PASCAL COMPATIBLE driver.   That works in
XX
XX
XX
XX   April 14, 1986
XX
XX
XX
XX
XX
XXDCOM Instructions   -4-
XX
XX
XX   most cases with ANYTHING. When you select your set-up
XX
XX   and have a][,][+, or //e, you will be asked what slot
XX
XX   your serial communication equipment is in. This is
XX

XX usually 2. For you //c owners, your hardware is built
XX
XX in, so you won't get this question.
XX
XX
XX3. What dialing personality do you have? While this might
XX
XX seem like an unusual question, it must be asked- so
XX
XX DCOM can dial the phone when you use the OPEN-APPLE "D"
XX
XX command. If you have a Hayes (or compatible) modem,
XX
XX then select the Hayes dialing. If you are using DCOM
XX
XX to directly connect with a network without using a
XX
XX modem, then select network. If you have a modem but it
XX
XX does not use the Hayes commands, select the DUMB
XX
XX option. (Using the DUMB options means, you will have to
XX
XX dial the phone manually. [i.e. Use your fingers.])
XX
XX
XX4. Once everything is all said and done, the computer will
XX
XX tell you what you have selected, and you will be given
XX
XX the option to `S'AVE, or `A'BORT and start over. When
XX
XX you type `S' your configuration will be saved on the
XX
XX disk and you will be asked if you want to start the
XX
XX terminal. Hit <RETURN> to start the terminal.
XX
XX
XX

XX
XX
XX
XX

XX
XX
XXUsing the Terminal Emulator
XX
XX
XX When you type <RETURN> to get things rolling, the
XX
XXscreen will clear, and DCOM will tell you what it is load-
XX
XXing. When it has finished loading, the screen will clear,
XX
XXand the word ``Go...'' will appear at the top of the screen.
XX
XXIf you've gotten this far, GREAT!
XX
XX
XX READ THIS: In the following sections, you are asked to
XX
XXtype some letters while holding the OPEN or CLOSED Apple
XX
XXkey. The letter you type in conjunction with the OPEN or
XX
XXCLOSED Apple key can be in upper or lower case. Only the
XX
XXBASIC hardware configuration program requires upper case
XX
XXletters. Clear?
XX
XX
XX
XXSetting the Communication Parameters
XX
XX
XX It's all down hill from here; you are ready to play.
XX
XXHold your finger on the OPEN or CLOSED Apple key, and while
XX
XXholding it, type an M. {let go of the keys.} If you both-
XX
XXered to look at the quick reference chart, you are now in
XX
XXthe modem parameter menu. (If you have a hardware driver
XX
XXthat is not capable of using this menu, you will be given a
XX
XXpolite message and then asked to hit return; skip the rest
XX
XXof this section.)

XX
XX
XX   Now you have free reign at controlling your communica-
XX
XXtions system.   When ``---'' appears by an option, it means
XX
XXthat the emulator cannot set that option because your
XX
XX
XX
XX
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XX
XX
XX
XX

XX
XX
XXhardware won't allow it.
XX
XX
XX   Now, if you found all the answers to the introductory
XX
XXquestions, select the letters corresponding to the parame-
XX
XXters you need. If you don't know what these controls should
XX
XXbe set at, choose 8 bits, one stop bit, and NO parity. The
XX
XXbaud rate should be chosen depending on your modem.
XX
XX
XX   When you finish, type <ESC> and your choices will be
XX
XXimplemented.
XX
XX
XX
XXThe Set-Up Menu
XX
XX
XX   To invoke the set-up menu, just hold down the OPEN or
XX
XXCLOSED Apple keys and strike the <ESC> key. The set-up menu
XX
XXis the controlling portion of the program.   With it, you
XX
XXmay:
XX
XX
XXi.   Adjust the tab settings or reset them to standard set-

XX
XX   tings.
XX
XX
XXii. Reset the terminal to a recognizable state. (You will
XX
XX   need to do this if your local phone company introduces
XX
XX   static into the data stream.) This option is generally
XX
XX   used to recover when the terminal gets put into the
XX
XX   graphics mode or inverse mode by phone line noise.
XX
XX
XXiii. Save the terminal's settings, so they stick around each
XX
XX   time you use the program. NOTE: This also saves the
XX
XX   serial parameters.
XX
XX
XX
XX   April 14, 1986
XX
XX
XX
XX
XX

XX
XX
XXiv. Make a click every time you touch a key.
XX
XX
XXv.   Truncate characters if they go past 80 columns.
XX
XX
XXvi. Invert the screen.
XX
XX
XXJust strike the key corresponding to the option you wish to
XX
XXinvoke.
XX
XX
XX
XXDialing the Phone
XX
XX(Or connecting to a system if on a direct-wired network.)
XX
XX

XX   If your hardware supports dialing and you selected a
XX
XXdialing driver in the configuration phase, you will be able
XX
XXto dial the phone by typing OPEN (or CLOSED) Apple D.   It
XX
XXwill ask for the phone number. Type away. If you decide
XX
XXyou didn't want to dial the phone, type <ESC>, otherwise hit
XX
XX<RETURN> to dial.
XX
XX
XX   For direct wired LAN (Local Area Network) connections,
XX
XXuse the same sequence above, but type the system name
XX
XXinstead of the phone number.
XX
XX
XX
XXRedialing the Last Number (or System) Dialed
XX
XX
XX   To redial the last number dialed, or reconnect to the
XX
XXlast system, type OPEN (or CLOSED) Apple A.
XX
XX
XX
XX
XX
XX
XX
XX
XX
XX
XX   April 14, 1986
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XX
XX
XX
XX
XXDCOM Instructions   -8-
XX
XX
XXHanging-Up the Phone (Or disconnecting from a LAN connec-
XX
XXtion)
XX
XX
XX   To hang-up the phone, (or terminate a LAN connection)
XX

XXtype OPEN (or CLOSED) Apple X. In some cases, this may take
XX
XXa few seconds.
XX
XX
XX
XXSending a Break Signal
XX
XX
XX   If your hardware driver is capable of sending a break
XX
XXsignal, typing OPEN (or CLOSED) Apple B will do it. (A
XX
XXbreak signal is often used while connecting to remote sys-
XX
XXtems to let them know you exist and want to login.) Break
XX
XXsignals are very useful while connecting to data switches.
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XX
XXUsing vt100 Keys That Do Not Appear on Your Keyboard
XX
XX
XX   The vt100 terminal has some very special keys that
XX
XXdon't appear on your Apple's keyboard. To type some of
XX
XXthese non-existent keys requires the use of the Open (or
XX
XXClosed) Apple key. Because of the way the Apple keyboards
XX
XXare designed, the arrow keys cannot be used directly as
XX
XXvt100 arrow keys.   To use these Apple keys as vt100 arrow
XX
XXkeys, use the Open (or Closed) Apple key in conjunction with
XX
XXthe arrow key. Please see the function key chart at the end
XX
XXof this manual for the special key listings.
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XX   April 14, 1986
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XXExiting the Terminal
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XX
XX To exit the terminal, you may do any of the following:
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XXA. Type @ from the set up menu
XX
XX
XXB. Turn the power off (Terminal defaults will not be
XX
XX saved.)
XX
XX
XXC. Type Control-Reset. (Terminal defaults will not be
XX
XX saved.)
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XXWriting Your Own Hardware Drivers
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XX If DCOM does not support your current hardware confi-
XX
XXguration, you can write your own. On side one of the
XX
XXdiskette (executable code), there are three text files
XX
XXcalled ``DRIVER SPECIFICATIONS.x'' where x is part 1, 2, or
XX
XX3. They contain about 20 pages of application notes format-
XX
XXted for 80 columns and 66 lines a page. You will need to
XX
XXprint these out to do any serious work.
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XX   April 14, 1986
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XXNotes About Hardware Implementations
XX
XX
XX   Here are some notes about the DCOM hardware implementa-
XX
XXtions:
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XX
XXCommunication Drivers:
XX
XX
XX1.   The Super Serial Card and //c driver do the most so far
XX
XX   in terms of setting options and sending breaks.
XX
XX
XX2.   The ALS Dispatcher is incapable of sending a break sig-
XX
XX   nal.   It also does not allow certain combinations of
XX
XX   stop bits and parity. Illegal settings are suppressed
XX
XX   automatically.   The baud rate can only be set by the
XX
XX   DIP switches on the card.
XX
XX
XX3.   The CPS MultiFunction Card driver cannot yet send a
XX
XX   break signal. It also cannot send a CTRL-A. Paging on
XX
XX   the serial port must be turned off, as well as the

XX
XX   default device.   These options are chosen from the
XX
XX   SETUP program on the CPS distribution disk.
XX
XX
XX4.   The generic Pascal compatible driver works with almost
XX
XX   anything, but does not support break signals nor the
XX
XX   changing of communication parameters.
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XXScreen Drivers:
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XX   April 14, 1986
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XXDCOM Instructions   -11-
XX
XX
XX1.   The Double Vision and Omni Vision drivers flicker when
XX
XX   the screen scrolls. (They use the same display con-
XX
XX   troller as in the IBM PC.) Fixing this would result in
XX
XX   a GREAT reduction in speed.
XX
XX
XX2.   The VIDEX Inc. display cards are NOT implemented yet.
XX
XX   I'm still waiting for documentation.
XX
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XXDialing Drivers
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XX1. The Hayes dialing drivers are slow to allow for ``off-
XX
XX   brand'' modems to work also.
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XX
XX2. The Ungermann/Bass Net/One driver can only disconnect
XX
XX   at the ``>>'' prompt .
XX
XX
XX

E, e	Pf3
R, r	Pf4
0	Keypad 0
1	Keypad 1
2	Keypad 2
3	Keypad 3
4	Keypad 4
5	Keypad 5
6	Keypad 6
7	Keypad 7
8	Keypad 8
9	Keypad 9
-	Keypad -
,	Keypad ,
Period	Keypad .
RETURN	Keypad ENTER
K, k, UP arrow	UP arrow
J, j, DOWN arrow	DOWN arrow
H, h, LEFT arrow	LEFT arrow
L, l, RIGHT arrow	RIGHT arrow
B, b	Break key
ESCAPE	SET-UP key

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DCOM Quick Reference Card

Open/Closed Apple	Function	Comments
A,a	"Again" Redials the last number called.	
D,d	"Dial" Dials a phone number.	Number can contain anything, including embedded dialing commands. See modem manual for possible embedded dialing characters.
X,x	Hang-up. Hangs up the phone if possible.	Can take a few seconds.
B,b	"Break" Sends a "break" signal.	Some serial cards can't do this.
M,m	"Modem" Displays the serial/modem transmission characteristics.	Some modems and serial cards are incapable of doing anything on that menu.
<ESCAPE>	Presents the set-up menu.	

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XX                        April 14, 1986
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SHAR_EOF
if test 19867 -ne "`wc -c < 'instructions'`"
then
     echo shar: error transmitting "'instructions'" '(should have been 19867
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'to.apple.1'" '(27350 characters)'
if test -f 'to.apple.1'
then
     echo shar: will not over-write existing file "'to.apple.1'"
else
sed 's/^XX//' << \SHAR_EOF > 'to.apple.1'
XXTEXT:HOME:?"UNPACKING:":?"MAIN CODE":POKE 34,3:HOME:CALL -151
XX2000: 4C 13 20 4C 61 20 4C C6
XX2008: 20 4C 1F 21 4C 52 2A 00 00 00
XX2012: 00 20 00 50 20 00 40 20 03 50
XX201C: A2 17 8E 13 03 A2 20 8E 08 03
XX2026: A2 00 8E 00 02 8E 0F 20 8E 10
XX2030: 20 8E 12 03 8E 0C 03 8E 14 03
XX203A: 8E 02 03 8E 0B 03 8E 16 03 8E
XX2044: 17 03 8E 0D 03 8E 18 03 A2 00
XX204E: 8E 0F 03 8E 10 03 8E FF 02 20
XX2058: 21 50 A2 66 A0 2B 20 0F 70 AD
XX2062: FF 02 30 19 2C 00 C0 30 15 20
XX206C: 1E 50 20 A5 20 90 EE 20 15 21
XX2076: 8D 12 20 20 1F 21 4C 61 20 60
XX2080: 8D 10 C0 AD 00 C0 20 C6 20 20
XX208A: 00 60 2C 07 03 30 03 4C 97 20
XX2094: 20 1F 21 2C 06 03 10 C5 A0 0A
XX209E: 20 D3 21 4C 61 20 60 20 C6 20
XX20A8: AD 0F 20 CD 10 20 F0 02 38 60
XX20B2: 2C 0E 03 30 02 18 60 A9 11 20
XX20BC: 09 40 A9 00 8D 0E 03 18 60 60
XX20C6: 48 98 48 20 03 40 90 31 20 06
XX20D0: 40 C9 00 F0 2A AE 10 20 9D 9B
XX20DA: 2B EE 10 20 AE 0F 20 EC 10 20
XX20E4: B0 0E AD 10 20 38 ED 0F 20 C9
XX20EE: C8 B0 12 4C FF 20 AD 0F 20 38
XX20F8: ED 10 20 C9 37 90 04 68 A8 68
XX2102: 60 2C 0E 03 30 F7 A9 13 20 09
XX210C: 40 A9 FF 8D 0E 03 4C FF 20 AE
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XX2116: 0F 20 BD 9B 2B EE 0F 20 60 C9
XX2120: 7F F0 32 C9 18 F0 29 C9 1A F0
XX212A: 25 AC 1C 03 C0 00 F0 36 C0 01
XX2134: F0 20 C0 02 F0 1F C0 03 F0 1E
XX213E: C0 04 F0 1D C0 05 F0 1C C0 06
XX2148: F0 1B 20 D1 21 20 D1 21 A2 00
XX2152: 8E 1C 03 60 4C 4D 22 4C 51 23
XX215C: 4C 27 24 4C 27 50 4C 5C 2A 4C
XX2166: 22 2B C9 20 90 03 4C BD 21 C9
XX2170: 07 F0 35 C9 08 F0 34 C9 09 F0
XX217A: 33 C9 0A F0 32 C9 0B F0 2E C9
XX2184: 0C F0 2A C9 0D F0 29 C9 0E F0
XX218E: 28 C9 0F F0 27 C9 1B D0 10 2C
XX2198: 0D 03 10 06 A0 05 8C 1C 03 60
XX21A2: A0 01 8C 1C 03 60 4C D1 21 4C
XX21AC: EA 21 4C FB 21 4C 15 22 4C 23
XX21B6: 22 4C 40 22 4C 34 22 2C 09 03
XX21C0: 10 0C 2C 0A 03 30 02 A9 2D 20
XX21CA: 27 50 A9 20 4C 27 50 A0 64 A2
XX21D4: 09 20 DF 21 2C 30 C0 88 D0 F5
XX21DE: 60 8A 48 20 C6 20 68 AA CA D0
XX21E8: F6 60 20 1B 50 CE 0F 03 AE 0F
XX21F2: 03 10 03 EE 0F 03 4C 21 50 20
XX21FC: 1B 50 AE 0F 03 E0 4F F0 0A E8
XX2206: E0 4F F0 05 BD 20 03 F0 F6 8E
XX2210: 0F 03 4C 21 50 20 1B 50 2C 03
XX221A: 03 10 03 4C 42 50 4C 45 50 20
XX2224: 1B 50 A2 00 8E 0F 03 2C 04 03
XX222E: 30 F0 20 21 50 60 A2 00 8E 19
XX2238: 03 AE 16 03 8E 0B 03 60 A2 FF
XX2242: 8E 19 03 AE 17 03 8E 0B 03 60
XX224C: 00 C9 63 F0 7A C9 5B B0 3E C9
XX2256: 41 90 03 4C A9 22 C9 3A B0 07
XX2260: C9 30 90 03 4C A9 22 C9 23 D0
XX226A: 09 A2 02 8D 4C 22 8E 1C 03 60
XX2274: C9 3E D0 0A A9 00 8D 14 03 A2
XX227E: 00 4C 70 22 C9 3D F0 03 4C 93
XX2288: 22 A9 FF 8D 14 03 A2 00 4C 70
XX2292: 22 C9 5B D0 05 A2 03 4C 70 22
XX229C: C9 28 F0 CB C9 29 F0 C7 A2 00
XX22A6: 4C 70 22 A0 00 8C 1C 03 C9 44
XX22B0: F0 3E C9 45 F0 3D C9 4D F0 3C
XX22BA: C9 37 F0 3B C9 38 F0 3A C9 48
XX22C4: F0 39 A2 00 4C 70 22 68 68 20
XX22CE: 1B 50 20 03 50 A2 00 8E 0F 03
XX22D8: 8E 10 03 20 21 50 A2 6E A0 2B
XX22E2: A9 00 8D 1C 03 20 0F 70 20 1B
XX22EC: 50 4C 1C 20 4C 02 23 4C 08 23
XX22F6: 4C 0E 23 4C 2A 23 4C 36 23 4C
XX2300: 48 23 20 1B 50 4C 45 50 20 1B
XX230A: 50 4C 42 50 20 1B 50 AC 10 03
XX2314: 88 C0 FF F0 05 CC 12 03 B0 06
XX231E: 20 18 50 AC 12 03 8C 10 03 4C
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XX2328: 21 50 A2 10 BD 00 03 9D 00 82
XX2332: CA 10 F7 60 20 1B 50 A2 10 BD
XX233C: 00 82 9D 00 03 CA 10 F7 20 21
XX2346: 50 60 AE 0F 03 A9 FF 9D 20 03
XX2350: 60 AC 4C 22 C0 28 F0 07 C0 29
XX235A: F0 03 4C 92 23 C9 42 D0 26 A2
XX2364: 00 C0 28 F0 06 8E 17 03 4C 72
XX236E: 23 8E 16 03 AE 19 03 10 09 AE
XX2378: 17 03 8E 0B 03 4C B2 23 AE 16
XX2382: 03 8E 0B 03 4C B2 23 C9 30 D0
XX238C: D6 A2 FF 4C 65 23 C0 23 D0 1C
XX2396: C9 33 F0 24 C9 34 F0 34 C9 35
XX23A0: F0 44 C9 36 F0 18 C9 31 F0 3C
XX23AA: C9 32 F0 10 C9 38 F0 06 A2 00
XX23B4: 8E 1C 03 60 20 3C 50 4C B2 23
XX23BE: 20 1B 50 20 03 24 AC 10 03 A9
XX23C8: C0 99 80 03 20 21 50 4C B2 23
XX23D2: 20 1B 50 20 03 24 AC 10 03 A9
XX23DC: 80 99 80 03 20 21 50 4C B2 23
XX23E6: AC 10 03 B9 80 03 10 0A AD 0F
XX23F0: 03 4A 8D 0F 03 20 4E 50 A9 00
XX23FA: AC 10 03 99 80 03 4C B2 23 AC
XX2404: 10 03 B9 80 03 10 03 60 00 00
XX240E: 20 51 50 AD 0F 03 0A C9 28 B0
XX2418: 04 8D 0F 03 60 A9 27 8D 0F 03
XX2422: 60 FF 00 00 00 2C 23 24 10 14
XX242C: A2 00 8E 70 03 8E 71 03 8E 24
XX2436: 24 8E 25 24 8E 26 24 8E 23 24
XX2440: C9 1B D0 06 A2 01 8E 1C 03 60
XX244A: C9 3B D0 04 20 92 24 60 C9 7B
XX2454: B0 0A C9 41 90 06 20 92 24 4C
XX245E: CD 24 C9 3F D0 05 A2 FF 8E 26
XX2468: 24 C9 3A B0 1A C9 30 90 16 38
XX2472: E9 30 A8 AD 24 24 0A 0A 0A 0A
XX247C: 8D 24 24 98 18 6D 24 24 8D 24
XX2486: 24 60 00 0A 14 1E 28 32 3C 46
XX2490: 50 5A A8 AD 24 24 29 F0 4A 4A
XX249A: 4A 4A 29 0F AA BD 88 24 AA AD
XX24A4: 24 24 29 0F 8D 24 24 8A 18 6D
XX24AE: 24 24 AE 25 24 9D 70 03 98 A2
XX24B8: 00 8E 24 24 EE 25 24 AE 25 24
XX24C2: E0 0A B0 01 60 A2 00 8E 25 24
XX24CC: 60 A2 00 8E 1C 03 A2 FF 8E 23
XX24D6: 24 C9 41 F0 63 C9 42 F0 62 C9
XX24E0: 43 F0 61 C9 44 F0 60 C9 48 F0
XX24EA: 5F C9 66 F0 5B C9 4B F0 5A C9
XX24F4: 4A F0 59 C9 67 F0 58 C9 68 F0
XX24FE: 57 C9 6C F0 56 C9 6E F0 55 C9
XX2508: 63 F0 54 C9 50 F0 53 C9 4C F0
XX2512: 52 C9 4D F0 51 C9 54 F0 50 C9
XX251C: 53 F0 4F C9 6D F0 4E C9 72 F0
XX2526: 4D C9 78 F0 4C C9 71 F0 4B C9
XX2530: 79 F0 4A A9 7F 20 27 50 A0 0A
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XX253A: 20 D3 21 60 4C FB 25 4C 2A 26
XX2544: 4C 57 26 4C 7A 26 4C A0 26 4C
XX254E: DD 26 4C 0A 27 4C 28 27 4C 45
XX2558: 27 4C CB 27 4C 4A 29 4C C1 28
XX2562: 4C 87 29 4C 9B 29 4C AF 29 4C
XX256C: C3 29 4C DD 29 4C F7 29 4C 18
XX2576: 2A 4C 9A 25 4C 99 25 4C 80 25
XX2580: 20 1B 50 20 03 50 A2 00 8E 0F
XX258A: 03 8E 10 03 20 21 50 A2 85 A0
XX2594: 2B 20 0F 70 60 60 A9 1B 20 09
XX259E: 40 A9 5B 20 09 40 AC 70 03 F0
XX25A8: 06 A9 33 20 09 40 60 A9 32 20
XX25B2: 09 40 A9 3B 20 09 40 A9 31 20
XX25BC: 09 40 A9 3B 20 09 40 A9 31 20
XX25C6: 09 40 A9 3B 20 09 40 A9 36 20
XX25D0: 09 40 A9 34 20 09 40 A9 3B 20
XX25DA: 09 40 A9 36 20 09 40 A9 34 20
XX25E4: 09 40 A9 3B 20 09 40 A9 31 20
XX25EE: 09 40 A9 3B 20 09 40 A9 78 20
XX25F8: 09 40 60 20 1B 50 AC 70 03 D0
XX2602: 02 A0 01 98 48 CE 10 03 AC 10
XX260C: 03 C0 FF F0 05 CC 12 03 B0 0B
XX2616: 2C 02 03 10 03 20 18 50 EE 10
XX2620: 03 68 A8 88 D0 DF 20 21 50 60
XX262A: 20 1B 50 AC 70 03 D0 02 A0 01
XX2634: 98 48 EE 10 03 AC 10 03 CC 13
XX263E: 03 90 0D F0 0B 2C 02 03 10 03
XX2648: 20 15 50 CE 10 03 68 A8 88 D0
XX2652: E1 20 21 50 60 20 1B 50 AD 70
XX265C: 03 D0 02 A9 01 18 6D 0F 03 C9
XX2666: 50 B0 07 8D 0F 03 20 21 50 60
XX2670: A9 4F 8D 0F 03 20 21 50 60 00
XX267A: 20 1B 50 AD 70 03 D0 02 A9 01
XX2684: 8D 79 26 AD 0F 03 38 ED 79 26
XX268E: 30 07 8D 0F 03 20 21 50 60 A9
XX2698: 00 8D 0F 03 20 21 50 60 20 1B
XX26A2: 50 AC 70 03 D0 02 A0 01 AE 71
XX26AC: 03 D0 02 A2 01 88 2C 18 03 10
XX26B6: 06 98 18 6D 12 03 A8 B9 80 03
XX26C0: C0 18 90 02 A0 00 CA 2A 90 03
XX26CA: 8A 0A AA E0 50 90 02 A2 00 8C
XX26D4: 10 03 8E 0F 03 20 21 50 60 AE
XX26DE: 70 03 D0 09 20 1B 50 20 0F 50
XX26E8: 4C 21 50 E0 01 D0 03 4C 30 50
XX26F2: 20 1B 50 AC 10 03 B9 80 03 48
XX26FC: 20 06 50 68 AC 10 03 99 80 03
XX2706: 20 21 50 60 AE 70 03 D0 09 20
XX2710: 1B 50 20 12 50 4C 21 50 E0 01
XX271A: D0 03 4C 33 50 20 1B 50 20 03
XX2724: 50 4C 21 50 AE 70 03 F0 0F E0
XX272E: 03 D0 13 A2 79 A9 00 9D 20 03
XX2738: CA 10 FA 60 AE 0F 03 A9 00 9D
XX2742: 20 03 60 AE 25 24 D0 02 A2 01
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XX274C: 8E 11 20 2C 26 24 30 2E BD 6F
XX2756: 03 A8 F0 67 C0 04 D0 08 A2 FF
XX2760: 8E 01 03 4C C1 27 C0 05 F0 F4
XX276A: C0 0C D0 08 A2 FF 8E 07 03 4C
XX2774: C1 27 C0 14 D0 47 A2 FF 8E 03
XX277E: 03 4C C1 27 BD 6F 03 A8 A2 FF
XX2788: C0 01 D0 06 8E 15 03 4C C1 27
XX2792: C0 02 D0 03 4C C1 27 C0 05 D0
XX279C: 10 2C 08 03 30 1F A2 A0 8E 08
XX27A6: 03 20 3F 50 4C C1 27 C0 06 D0
XX27B0: 06 8E 18 03 4C C1 27 C0 07 D0
XX27BA: 03 8E 05 03 4C C1 27 AE 11 20
XX27C4: CA D0 01 60 4C 4C 27 AE 25 24
XX27CE: D0 02 A2 01 8E 11 20 2C 26 24
XX27D8: 30 2E BD 6F 03 A8 F0 38 C0 04
XX27E2: D0 08 A2 00 8E 01 03 4C 18 28
XX27EC: C0 05 F0 F4 C0 0C D0 08 A2 00
XX27F6: 8E 07 03 4C 18 28 C0 14 D0 18
XX2800: A2 00 8E 03 03 4C 18 28 BD 6F
XX280A: 03 A8 A2 00 C0 01 D0 09 8E 15
XX2814: 03 4C 18 28 4C B7 28 C0 02 D0
XX281E: 6D A2 FF 8E 0D 03 A0 17 A9 00
XX2828: 99 80 03 88 10 FA 8D 01 03 8D
XX2832: 05 03 8D 03 03 8D 04 03 8D 06
XX283C: 03 8D 07 03 8D 09 03 8D 0A 03
XX2846: 8D 0B 03 8D 12 03 8D 14 03 8D
XX2850: 18 03 8D 19 03 A9 17 8D 13 03
XX285A: A9 FF 8D 20 03 8D 28 03 8D 30
XX2864: 03 8D 38 03 8D 40 03 8D 48 03
XX286E: 8D 50 03 8D 58 03 8D 60 03 8E
XX2878: 68 03 8E 70 03 8D 02 03 8E 0D
XX2882: 03 8E 02 03 8E 15 03 4C 18 28
XX288C: C0 05 D0 10 2C 08 03 10 22 A2
XX2896: 20 8E 08 03 20 3F 50 4C 18 28
XX28A0: C0 06 D0 06 8E 18 03 4C 18 28
XX28AA: C0 07 D0 06 8E 05 03 4C 18 28
XX28B4: 4C 18 28 AE 11 20 CA D0 01 60
XX28BE: 4C D2 27 A9 1B 20 09 40 A9 5B
XX28C8: 20 09 40 A9 3F 20 09 40 A9 31
XX28D2: 20 09 40 A9 3B 20 09 40 A9 30
XX28DC: 20 09 40 A9 63 20 09 40 60 00
XX28E6: 00 00 10 20 30 40 50 60 00 01
XX28F0: 02 03 04 05 06 07 08 09 10 11
XX28FA: 12 13 14 15 00 00 E8 8E FE 28
XX2904: 8A 4A 4A 4A 4A AA BD E7 28 A8
XX290E: AD FE 28 29 0F AA BD EE 28 8D
XX2918: FF 28 98 F8 18 6D FF 28 8D FE
XX2922: 28 D8 4A 4A 4A 4A 18 69 30 8D
XX292C: E5 28 AD FE 28 29 0F 18 69 30
XX2936: 8D E6 28 AD E5 28 C9 30 F0 03
XX2940: 20 09 40 AD E6 28 20 09 40 60
XX294A: AC 70 03 C0 05 F0 21 A9 1B 20
XX2954: 09 40 A9 5B 20 09 40 AE 10 03
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XX295E: 20 00 29 A9 3B 20 09 40 AE 0F
XX2968: 03 20 00 29 A9 52 20 09 40 60
XX2972: A9 1B 20 09 40 A9 5B 20 09 40
XX297C: A9 30 20 09 40 A9 6E 20 09 40
XX2986: 60 AE 70 03 D0 02 A2 01 8E 11
XX2990: 20 20 36 50 AE 11 20 CA D0 F4
XX299A: 60 AE 70 03 D0 02 A2 01 8E 11
XX29A4: 20 20 2A 50 AE 11 20 CA D0 F4
XX29AE: 60 AE 70 03 D0 02 A2 01 8E 11
XX29B8: 20 20 2D 50 AE 11 20 CA D0 F4
XX29C2: 60 20 1B 50 AE 70 03 D0 02 A2
XX29CC: 01 8E 11 20 20 18 50 AE 11 20
XX29D6: CA D0 F4 20 21 50 60 20 1B 50
XX29E0: AE 70 03 D0 02 A2 01 8E 11 20
XX29EA: 20 15 50 AE 11 20 CA D0 F4 20
XX29F4: 21 50 60 A0 00 B9 70 03 C9 08
XX29FE: B0 04 C9 00 D0 05 A2 00 4C 0B
XX2A08: 2A A2 FF 8E 0C 03 C8 CC 25 24
XX2A12: B0 03 4C F9 29 60 20 1B 50 AE
XX2A1C: 70 03 D0 02 A2 01 CA E0 18 B0
XX2A26: 22 8E 12 03 2C 18 03 10 06 8E
XX2A30: 10 03 4C 3A 2A A9 00 8D 10 03
XX2A3A: AE 71 03 D0 02 A2 18 CA E0 18
XX2A44: B0 03 8E 13 03 A2 00 8E 0F 03
XX2A4E: 20 21 50 60 A9 00 8D 0F 20 8D
XX2A58: 10 20 60 60 A2 00 8E 1C 03 8E
XX2A62: 70 03 C9 41 F0 39 C9 42 F0 38
XX2A6C: C9 43 F0 37 C9 44 F0 36 C9 46
XX2A76: F0 35 C9 47 F0 34 C9 48 F0 33
XX2A80: C9 49 F0 32 C9 4A F0 31 C9 4B
XX2A8A: F0 30 C9 59 F0 2F C9 5A F0 2E
XX2A94: C9 3D F0 2D C9 3E F0 2C C9 3C
XX2A9E: F0 2B 60 4C 3E 25 4C 41 25 4C
XX2AA8: 57 26 4C 7A 26 4C DD 2A 4C E9
XX2AB2: 2A 4C CE 2A 4C 0E 23 4C 0F 27
XX2ABC: 4C E2 26 4C F5 2A 4C 56 2B 4C
XX2AC6: 00 2B 4C 06 2B 4C 0C 2B 20 1B
XX2AD0: 50 A2 00 8E 0F 03 8E 10 03 20
XX2ADA: 21 50 60 A2 FF 8D 16 03 8D 0B
XX2AE4: 03 8D 19 03 60 A2 00 8D 16 03
XX2AEE: 8D 0B 03 8D 19 03 60 A0 06 8C
XX2AF8: 1C 03 A0 00 8C 21 2B 60 A9 FF
XX2B02: 8D 14 03 60 A9 00 8D 14 03 60
XX2B0C: A9 00 8D 02 03 8D 15 03 8D 14
XX2B16: 03 8D 0D 03 8D 0B 03 8D 16 03
XX2B20: 60 00 AC 21 2B C0 00 D0 04 8D
XX2B2A: 21 2B 60 48 20 1B 50 68 AA AD
XX2B34: 21 2B 38 E9 20 A8 8A 38 E9 20
XX2B3E: AA C0 18 B0 0A E0 50 B0 06 8E
XX2B48: 0F 03 8C 10 03 20 21 50 A9 00
XX2B52: 8D 1C 03 60 A9 1B 20 09 40 A9
XX2B5C: 2F 20 09 40 A9 5A 20 09 40 60
XX2B66: 47 6F 2E 2E 2E 0D 0A 00 0D 0A
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XX2B70: 44 43 4F 4D 3A 20 53 6F 66 74
XX2B7A: 20 72 65 73 65 74 2E 07 0D 0A
XX2B84: 00 44 43 4F 4D 3A 20 53 65 6C
XX2B8E: 66 20 74 65 73 74 3A 20 4F 4B
XX2B98: 0D 0A 00 00 00
XX3D0G
XXBSAVE DCOM.MAIN,A$2000,L2972
XXTEXT:HOME:?"UNPACKING:":?"TERMINAL DEFAULTS":POKE 34,3:HOME:CALL -151
XX0300: 00 17
XX0302: FF 00 00 FF 00 00 20 00 FF 17
XX030C: 00 00 00 02 17 05 00 17 00 00
XX0316: 02 00 00 17 02 00 00 00 07 03
XX0320: FF 00 00 00 00 00 00 00 FF 00
XX032A: 00 00 00 00 00 00 FF 00 00 00
XX0334: 00 00 00 00 FF 00 00 00 00 00
XX033E: 00 00 FF 00 00 00 00 00 00 00
XX0348: FF 00 00 00 00 00 00 00 FF 00
XX0352: 00 00 00 00 00 00 FF 00 00 00
XX035C: 00 00 00 00 FF 00 00 00 00 00
XX0366: 00 00 FF 00 00 00 00 00 00 00
XX0370: 0C 2E 03 04 05 06 07 00 00 00
XX037A: 00 00 00 00 00 00 00 00 00 00
XX0384: 00 00 00 00 00 00 00 00 00 00
XX038E: 00 00 00 00 00 00 00 00 00 00
XX0398: 00 00 00 00 00 00 00 00 01
XX3D0G
XXBSAVE DCOM.MAIN.D,A$300,L$A0
XXTEXT:HOME:?"UNPACKING:":?"CONTROL PANEL":POKE 34,3:HOME:CALL -151
XX7000: 4C 5B 70 4C A1 7A 4C 58
XX7008: 7C 4C 44 7D 4C 74 7D 4C 16 70
XX7012: 00 00 00 00 8E 1D 70 8C 1E 70
XX701C: AD FF FF F0 15 C9 01 F0 13 20
XX7026: 09 20 EE 1D 70 D0 EF EE 1E 70
XX7030: 20 06 20 4C 1C 70 60 00 AD 0C
XX703A: 03 49 80 8D 0C 03 A2 4F 8E 37
XX7044: 70 A9 20 20 09 20 AE 37 70 CA
XX704E: 10 F2 AD 0C 03 49 80 8D 0C 03
XX7058: 4C 28 70 A9 00 20 63 70 4C 9C
XX7062: 70 8D 15 70 C9 00 D0 0B A9 13
XX706C: 20 09 40 AD 1C 03 8D 14 70 AD
XX7076: 04 03 8D A6 70 A9 00 8D 04 03
XX7080: 8D 1C 03 AE 12 03 8E 12 70 AE
XX708A: 13 03 8E 13 70 8E 01 03 8E 19
XX7094: 03 8E 0B 03 20 48 50 60 A2 A7
XX709E: A0 70 20 16 70 4C 2D 74 00 1B
XX70A8: 5B 32 4A 1B 5B 48 1B 5B 30 6D
XX70B2: 1B 5B 31 3B 32 34 72 3C 45 53
XX70BC: 43 3E 20 52 65 74 75 72 6E 73
XX70C6: 20 79 6F 75 20 74 6F 20 79 6F
XX70D0: 75 72 20 66 72 69 65 6E 64 6C
XX70DA: 79 20 74 65 72 6D 69 6E 61 6C
XX70E4: 2E 2E 2E 0D 0A 0A 59 65 73 2F
XX70EE: 4E 6F 20 4B 65 79 20 46 75 6E
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XX70F8: 63 74 69 6F 6E 0D 0A 0D 0A 20
XX7102: 20 20 20 20 20 20 20 41 20 20
XX710C: 45 63 68 6F 20 63 68 61 72 61
XX7116: 63 74 65 72 73 20 74 79 70 65
XX7120: 64 3F 0D 0A 20 20 20 20 20 20
XX712A: 20 20 42 20 20 43 52 2F 4C 46
XX7134: 20 6F 6E 20 4C 46 3F 0D 0A 20
XX713E: 20 20 20 20 20 20 20 43 20 20
XX7148: 43 52 2F 4C 46 20 6F 6E 20 43
XX7152: 52 3F 0D 0A 20 20 20 20 20 20
XX715C: 20 20 44 20 20 57 72 61 70 20
XX7166: 63 68 61 72 61 63 74 65 72 73
XX7170: 20 6F 66 66 20 72 69 67 68 74
XX717A: 20 73 69 64 65 3F 0D 0A 20 20
XX7184: 20 20 20 20 20 20 45 20 20 4B
XX718E: 65 79 2D 63 6C 69 63 6B 3F 0D
XX7198: 0A 20 20 20 20 20 20 20 20 46
XX71A2: 20 20 42 61 63 6B 67 72 6F 75
XX71AC: 6E 64 20 69 6E 76 65 72 74 65
XX71B6: 64 3F 0D 0A 0D 0A 42 4C 49 4E
XX71C0: 4B 20 53 50 45 45 44 20 30 2D
XX71CA: 39 20 28 30 3D 4E 4F 20 42 4C
XX71D4: 49 4E 4B 29 20 31 3D 46 41 53
XX71DE: 54 2C 20 39 3D 53 4C 4F 57 20
XX71E8: 28 20 29 0D 0A 0D 0A 40 29 20
XX71F2: 51 75 69 74 20 74 68 69 73 20
XX71FC: 70 72 6F 67 72 61 6D 0D 0A 53
XX7206: 29 20 53 61 76 65 20 74 68 65
XX7210: 73 65 20 73 65 74 74 69 6E 67
XX721A: 73 0D 0A 54 29 20 53 65 74 20
XX7224: 73 74 61 6E 64 61 72 64 20 74
XX722E: 61 62 73 2E 20 28 46 6F 72 20
XX7238: 55 4E 49 58 2C 20 56 4D 53 2C
XX7242: 20 65 74 63 2E 29 0D 0A 0D 0A
XX724C: 52 29 20 52 65 73 65 74 20 74
XX7256: 65 72 6D 69 6E 61 6C 2E 0D 0A
XX7260: 1B 5B 32 32 3B 30 48 20 20 20
XX726A: 20 35 20 20 20 20 30 20 20 20
XX7274: 20 35 20 20 20 20 30 20 20 20
XX727E: 20 35 20 20 20 20 30 20 20 20
XX7288: 20 35 20 20 20 20 30 20 20 20
XX7292: 20 35 20 20 20 20 30 20 20 20
XX729C: 20 35 20 20 20 20 30 20 20 20
XX72A6: 20 35 20 20 20 20 30 20 20 20
XX72B0: 20 35 20 20 20 20 30 1B 5B 32
XX72BA: 31 3B 30 48 20 20 20 20 20 20
XX72C4: 20 20 20 31 20 20 20 20 31 20
XX72CE: 20 20 20 32 20 20 20 20 32 20
XX72D8: 20 20 20 33 20 20 20 20 33 20
XX72E2: 20 20 20 34 20 20 20 20 34 20
XX72EC: 20 20 20 35 20 20 20 20 35 20
XX72F6: 20 20 20 36 20 20 20 20 36 20
XX7300: 20 20 20 37 20 20 20 20 37 20
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XX730A: 20 20 20 38 1B 5B 32 30 3B 30
XX7314: 48 54 41 42 53 3A 20 55 73 65
XX731E: 20 74 68 65 20 6C 65 66 74 20
XX7328: 61 6E 64 20 72 69 67 68 74 20
XX7332: 61 72 72 6F 77 73 20 74 6F 20
XX733C: 73 65 6C 65 63 74 2C 20 61 6E
XX7346: 64 20 3C 53 50 41 43 45 3E 20
XX7350: 74 6F 20 74 6F 67 67 6C 65 20
XX735A: 6F 6E 20 61 6E 64 20 6F 66 66
XX7364: 2E 0D 0A 0A 0A 2D 2D 2D 2D 2D
XX736E: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7378: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7382: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX738C: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7396: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX73A0: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX73AA: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX73B4: 2D 2D 2D 2D 2D 00 1B 5B 48 1B
XX73BE: 5B 32 4A 0A 0A 0A 0A 0A 59 6F
XX73C8: 75 72 20 64 65 66 61 75 6C 74
XX73D2: 20 73 65 74 74 69 6E 67 73 20
XX73DC: 77 69 6C 6C 20 62 65 20 73 61
XX73E6: 76 65 64 20 77 68 65 6E 20 79
XX73F0: 6F 75 20 65 78 69 74 20 74 68
XX73FA: 65 20 70 72 6F 67 72 61 6D 2E
XX7404: 0D 0A 0D 0A 50 4C 45 41 53 45
XX740E: 20 53 54 52 49 4B 45 20 41 4E
XX7418: 59 20 4B 45 59 20 54 4F 20 43
XX7422: 4F 4E 54 49 4E 55 45 2E 0D 0A
XX742C: 00 A2 28 8E 1E 77 20 A4 76 20
XX7436: 76 76 A2 15 A0 77 20 16 70 AD
XX7440: 11 03 18 69 30 20 09 20 A9 08
XX744A: 20 09 20 20 35 7F C9 40 F0 7A
XX7454: C9 5F 90 03 38 E9 20 C9 30 90
XX745E: 15 C9 3A B0 76 38 E9 30 48 20
XX7468: 1B 50 68 8D 11 03 20 21 50 4C
XX7472: 3F 74 C9 08 F0 64 C9 15 F0 71
XX747C: C9 20 F0 7D C9 1B F0 03 4C 3F
XX7486: 74 20 4B 50 AD A6 70 8D 04 03
XX7490: AE 12 70 8E 12 03 AE 13 70 8E
XX749A: 13 03 A2 10 BD 00 81 9D 00 03
XX74A4: CA E0 08 D0 F5 AD 01 81 8D 01
XX74AE: 03 AD 19 81 8D 19 03 AD 0B 81
XX74B8: 8D 0B 03 AD 15 70 C9 00 D0 0B
XX74C2: A9 11 20 09 40 AD 14 70 8D 1C
XX74CC: 03 60 AD FF 02 09 F0 8D FF 02
XX74D6: 4C 87 74 4C 16 75 AE 1E 77 CA
XX74E0: D0 02 A2 50 8E 1E 77 20 A4 76
XX74EA: 4C 3F 74 AE 1E 77 E8 E0 51 D0
XX74F4: EF A2 01 8E 1E 77 4C E4 74 AE
XX74FE: 1E 77 CA BD 20 03 30 05 A9 FF
XX7508: 4C 0D 75 A9 00 9D 20 03 20 A4
XX7512: 76 4C 3F 74 C9 41 D0 0C AE 07
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XX751C: 03 20 1F 77 8E 07 03 4C 35 74
XX7526: C9 42 D0 0C AE 03 03 20 1F 77
XX7530: 8E 03 03 4C 35 74 C9 43 D0 0C
XX753A: AE A6 70 20 1F 77 8E A6 70 4C
XX7544: 35 74 C9 44 D0 0C AE 05 03 20
XX754E: 1F 77 8E 05 03 4C 35 74 C9 45
XX7558: D0 0C AE 06 03 20 1F 77 8E 06
XX7562: 03 4C 35 74 C9 46 D0 26 AD 08
XX756C: 03 49 80 8D 08 03 AD 0C 03 49
XX7576: 80 8D 0C 03 A9 FF 8D 15 70 20
XX7580: 87 74 A9 00 8D 15 70 20 3F 50
XX758A: 20 98 70 4C 9C 70 C9 53 D0 12
XX7594: A2 BA A0 73 20 16 70 20 35 7F
XX759E: A9 0F 8D FF 02 4C 9C 70 C9 54
XX75A8: D0 38 A2 20 A9 00 9D 00 03 E8
XX75B2: E0 71 90 F8 A2 FF 8E 20 03 8E
XX75BC: 28 03 8E 30 03 8E 38 03 8E 40
XX75C6: 03 8E 48 03 8E 50 03 8E 58 03
XX75D0: 8E 60 03 8E 68 03 8E 70 03 20
XX75DA: A4 76 4C 73 76 4C 35 74 C9 52
XX75E4: D0 F6 20 00 50 A2 17 8E 13 03
XX75EE: A2 20 8E 08 03 A2 00 8E 12 03
XX75F8: 8E 0D 03 8E 14 03 8E 0C 03 8E
XX7602: 19 03 8E 01 03 8E 03 03 8E 04
XX760C: 03 8E 07 03 8E 09 03 8E 0B 03
XX7616: 8E 16 03 8E 17 03 8E 18 03 20
XX7620: 03 50 A2 00 8E 0F 03 8E 10 03
XX762A: 8E FF 02 8E 1C 03 20 21 50 A2
XX7634: 40 A0 76 20 16 70 A9 11 20 09
XX763E: 40 60 1B 5B 48 1B 5B 32 4A 1B
XX7648: 23 38 07 1B 5B 48 07 1B 5B 32
XX7652: 4A 54 65 72 6D 69 6E 61 6C 20
XX765C: 72 65 73 65 74 2E 20 50 72 6F
XX7666: 63 65 65 64 2E 2E 2E 07 0D 0A
XX7670: 0D 0A 00 4C 3F 74 A2 F9 A0 76
XX767A: 20 16 70 2C 07 03 20 E7 76 2C
XX7684: 03 03 20 E7 76 2C A6 70 20 E7
XX768E: 76 2C 05 03 20 E7 76 2C 06 03
XX7698: 20 E7 76 2C 08 03 20 E7 76 4C
XX76A2: DF 76 A2 0C A0 77 20 16 70 A2
XX76AC: 00 8E 14 77 CE 1E 77 EC 1E 77
XX76B6: D0 05 A0 FF 8C 0C 03 EE 1E 77
XX76C0: BD 20 03 30 08 A9 20 20 09 20
XX76CA: 4C D2 76 A9 54 20 09 20 A0 00
XX76D4: 8C 0C 03 AE 14 77 E8 E0 50 D0
XX76DE: CE A2 15 A0 77 20 16 70 60 10
XX76E8: 08 A2 00 A0 77 20 16 70 60 A2
XX76F2: 06 A0 77 20 16 70 60 1B 5B 35
XX76FC: 3B 30 48 00 59 65 73 0D 0A 00
XX7706: 4E 6F 20 0D 0A 00 1B 5B 32 34
XX7710: 3B 30 48 00 00 1B 5B 31 32 3B
XX771A: 34 36 48 00 00 E0 50 B0 03 A2
XX7724: FF 60 A2 00 60 1B 5B 48 1B 5B
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XX772E: 32 4A 50 6C 65 61 73 65 20 65
XX7738: 6E 74 65 72 20 6F 6E 65 20 6F
XX7742: 66 20 74 68 65 20 66 6F 6C 6C
XX774C: 6F 77 69 6E 67 20 6C 65 74 74
XX7756: 65 72 73 3A 0D 0A 0D 0A 41 43
XX7760: 54 49 56 45 20 20 4B 45 59 20
XX776A: 20 46 55 4E 43 54 49 4F 4E 0D
XX7774: 0A 2D 2D 2D 2D 2D 2D 20 20 2D
XX777E: 2D 2D 20 20 2D 2D 2D 2D 2D 2D
XX7788: 2D 2D 0D 0A 0D 0A 20 20 20 20
XX7792: 20 20 20 20 20 41 20 20 20 33
XX779C: 30 30 20 42 61 75 64 0D 0A 20
XX77A6: 20 20 20 20 20 20 20 20 42 20
XX77B0: 20 20 31 32 30 30 20 42 61 75
XX77BA: 64 0D 0A 20 20 20 20 20 20 20
XX77C4: 20 20 43 20 20 20 32 34 30 30
XX77CE: 20 42 61 75 64 0D 0A 20 20 20
XX77D8: 20 20 20 20 20 20 44 20 20 20
XX77E2: 38 20 64 61 74 61 20 62 69 74
XX77EC: 73 2C 20 31 20 73 74 6F 70 20
XX77F6: 62 69 74 0D 0A 20 20 20 20 20
XX7800: 20 20 20 20 45 20 20 20 38 20
XX780A: 64 61 74 61 20 62 69 74 73 2C
XX7814: 20 32 20 73 74 6F 70 20 62 69
XX781E: 74 73 0D 0A 20 20 20 20 20 20
XX7828: 20 20 20 46 20 20 20 37 20 64
XX7832: 61 74 61 20 62 69 74 73 2C 20
XX783C: 31 20 73 74 6F 70 20 62 69 74
XX7846: 0D 0A 20 20 20 20 20 20 20 20
XX7850: 20 47 20 20 20 37 20 64 61 74
XX785A: 61 20 62 69 74 73 2C 20 32 20
XX7864: 73 74 6F 70 20 62 69 74 73 0D
XX786E: 0A 20 20 20 20 20 20 20 20 20
XX7878: 48 20 20 20 4E 6F 20 70 61 72
XX7882: 69 74 79 0D 0A 20 20 20 20 20
XX788C: 20 20 20 20 49 20 20 20 45 76
XX7896: 65 6E 20 70 61 72 69 74 79 0D
XX78A0: 0A 20 20 20 20 20 20 20 20 20
XX78AA: 4A 20 20 20 4F 64 64 20 70 61
XX78B4: 72 69 74 79 0D 0A 20 20 20 20
XX78BE: 20 20 20 20 20 4B 20 20 20 4D
XX78C8: 61 72 6B 20 70 61 72 69 74 79
XX78D2: 0D 0A 20 20 20 20 20 20 20 20
XX78DC: 20 4C 20 20 20 53 70 61 63 65
XX78E6: 20 70 61 72 69 74 79 0D 0A 0D
XX78F0: 0A 3C 45 53 43 3E 20 65 78 69
XX78FA: 74 73 20 74 68 69 73 20 6D 65
XX7904: 6E 75 20 61 6E 64 20 72 65 74
XX790E: 75 72 6E 73 20 79 6F 75 20 74
XX7918: 6F 20 74 68 65 20 74 65 72 6D
XX7922: 69 6E 61 6C 2E 0D 0A 00 1B 5B
XX792C: 36 3B 30 48 00 1B 5B 32 33 3B
XX7936: 30 48 4F 50 54 49 4F 4E 3A 00
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XX7940: 1B 5B 38 3B 31 48 1B 5B 31 4A
XX794A: 01 1B 5B 33 3B 31 48 53 6F 72
XX7954: 72 79 2C 20 79 6F 75 72 20 63
XX795E: 6F 6D 6D 75 6E 69 63 61 74 69
XX7968: 6F 6E 73 20 64 72 69 76 65 72
XX7972: 20 64 6F 65 73 20 6E 6F 74 20
XX797C: 73 75 70 70 6F 72 74 20 74 68
XX7986: 65 20 73 65 74 74 69 6E 67 20
XX7990: 6F 66 20 61 6E 79 0D 0A 63 6F
XX799A: 6D 6D 75 6E 69 63 61 74 69 6F
XX79A4: 6E 73 20 6F 70 74 69 6F 6E 73
XX79AE: 2E 20 50 6C 65 61 73 65 20 73
XX79B8: 65 65 20 74 68 65 20 61 70 70
XX79C2: 6C 69 63 61 74 69 6F 6E 73 20
XX79CC: 6E 6F 74 65 73 20 69 6E 20 74
XX79D6: 68 65 20 6D 61 6E 75 61 6C 2E
XX79E0: 0D 0A 0D 0A 50 6C 65 61 73 65
XX79EA: 20 73 74 72 69 6B 65 20 61 6E
XX79F4: 79 20 6B 65 79 20 74 6F 20 63
XX79FE: 6F 6E 74 69 6E 75 65 2E 2E 2E
XX7A08: 00 A0 0B A9 00 18 79 12 40 88
XX7A12: 10 F9 C9 00 F0 2B A2 29 A0 77
XX7A1C: 20 16 70 A2 2A A0 79 20 16 70
XX7A26: A2 00 BD 12 40 8E 14 77 20 4E
XX7A30: 7A AE 14 77 E8 E0 0C 90 EF A2
XX7A3A: 31 A0 79 20 16 70 4C 7E 7A A2
XX7A44: 40 A0 79 20 16 70 20 35 7F 60
XX7A4E: C9 00 F0 0B C9 F0 F0 0E A2 6C
XX7A58: A0 7A 4C 68 7A A2 72 A0 7A 4C
XX7A62: 68 7A A2 78 A0 7A 20 16 70 60
XX7A6C: 28 20 29 0D 0A 00 2D 2D 2D 0D
XX7A76: 0A 00 28 2A 29 0D 0A 00 20 35
XX7A80: 7F C9 1B F0 1B C9 60 90 03 38
XX7A8A: E9 20 C9 41 90 0D C9 4D B0 09
XX7A94: 38 E9 41 20 0C 40 4C 1F 7A 4C
XX7A9E: 7E 7A 60 20 63 70 20 09 7A 4C
XX7AA8: 87 74 1B 5B 39 3B 31 48 1B 5B
XX7AB2: 31 4A 1B 5B 38 3B 31 48 01 1B
XX7ABC: 5B 48 43 4F 4E 4E 45 43 54 49
XX7AC6: 4F 4E 20 4D 45 4E 55 3A 0D 0A
XX7AD0: 0D 0A 50 6C 65 61 73 65 20 65
XX7ADA: 6E 74 65 72 20 74 68 65 20 73
XX7AE4: 79 73 74 65 6D 20 6E 61 6D 65
XX7AEE: 20 79 6F 75 20 77 69 73 68 20
XX7AF8: 63 6F 6E 6E 65 63 74 20 74 6F
XX7B02: 2E 20 50 72 65 73 73 20 3C 52
XX7B0C: 45 54 55 52 4E 3E 20 74 6F 20
XX7B16: 63 6F 6E 6E 65 63 74 2C 0D 0A
XX7B20: 6F 72 20 3C 45 53 43 3E 20 74
XX7B2A: 6F 20 61 62 6F 72 74 2E 0D 0A
XX7B34: 0D 0A 53 79 73 74 65 6D 20 6E
XX7B3E: 61 6D 65 20 3A 20 20 20 5F 5F
XX7B48: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
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XX7B52: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
XX7B5C: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
XX7B66: 5F 5F 5F 5F 5F 5F 5F 5F 1B 5B
XX7B70: 36 3B 31 37 48 00 1B 5B 39 3B
XX7B7A: 31 48 1B 5B 31 4A 1B 5B 38 3B
XX7B84: 31 48 01 1B 5B 48 44 69 61 6C
XX7B8E: 69 6E 67 20 6D 65 6E 75 3A 0D
XX7B98: 0A 0D 0A 50 6C 65 61 73 65 20
XX7BA2: 65 6E 74 65 72 20 74 68 65 20
XX7BAC: 64 69 61 6C 69 6E 67 20 73 74
XX7BB6: 72 69 6E 67 20 62 65 6C 6F 77
XX7BC0: 3B 20 3C 52 45 54 55 52 4E 3E
XX7BCA: 20 74 6F 20 64 69 61 6C 2C 20
XX7BD4: 6F 72 20 3C 45 53 43 3E 20 74
XX7BDE: 6F 20 61 62 6F 72 74 2E 0D 0A
XX7BE8: 0D 0A 50 68 6F 6E 65 20 6E 75
XX7BF2: 6D 62 65 72 3A 20 20 20 5F 5F
XX7BFC: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
XX7C06: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
XX7C10: 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F
XX7C1A: 5F 5F 5F 5F 5F 5F 5F 5F 1B 5B
XX7C24: 35 3B 31 37 48 00 1B 5B 38 3B
XX7C2E: 31 48 1B 5B 31 4A 01 00 1B 5B
XX7C38: 39 3B 31 48 1B 5B 31 4A 1B 5B
XX7C42: 38 3B 31 48 01 1B 5B 34 3B 31
XX7C4C: 48 53 45 4E 44 49 4E 47 3A 20
XX7C56: 00 00 A9 FF 20 63 70 AD 00 68
XX7C60: F0 30 C9 03 F0 2C A2 2A A0 7C
XX7C6A: 20 16 70 AD 00 68 C9 01 D0 0A
XX7C74: A2 FE A0 7D 20 16 70 4C 85 7C
XX7C7E: A2 74 A0 7E 20 16 70 A2 0B A0
XX7C88: 7F 20 16 70 20 35 7F 4C 87 74
XX7C92: C9 03 F0 03 4C A0 7C A2 AA A0
XX7C9C: 7A 4C A4 7C A2 76 A0 7B 20 16
XX7CA6: 70 A2 00 8E 57 7C 20 35 7F C9
XX7CB0: 08 F0 4A C9 7F F0 46 C9 1B F0
XX7CBA: 3A C9 0D F0 5E C9 20 90 E9 AE
XX7CC4: 57 7C 9D 00 02 8E 57 7C 20 09
XX7CCE: 20 AE 57 7C E8 E0 28 90 D2 8E
XX7CD8: 57 7C A9 07 20 09 20 A9 08 20
XX7CE2: 09 20 A9 20 20 09 20 A9 08 20
XX7CEC: 09 20 AE 57 7C CA 4C A9 7C A9
XX7CF6: 00 8D 00 02 4C 87 74 AE 57 7C
XX7D00: E0 00 F0 A5 8E 57 7C A9 08 20
XX7D0A: 09 20 A9 5F 20 09 20 A9 08 20
XX7D14: 09 20 AE 57 7C CA 4C A9 7C AE
XX7D1E: 57 7C A9 00 9D 00 02 AD 00 02
XX7D28: C9 00 F0 C9 A2 36 A0 7C 20 16
XX7D32: 70 20 01 68 20 87 74 A2 8E A0
XX7D3C: 7D 20 16 70 20 07 68 60 AD 00
XX7D46: 02 C9 00 D0 01 60 20 63 70 4C
XX7D50: 25 7D 1B 5B 35 3B 31 48 1B 5B
XX7D5A: 31 4A 01 1B 5B 33 3B 31 48 44
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XX7D64: 69 73 63 6F 6E 6E 65 63 74 69
XX7D6E: 6E 67 2E 2E 2E 00 A9 FF 20 63
XX7D78: 70 A2 52 A0 7D 20 16 70 20 04
XX7D82: 68 20 87 74 A2 D9 A0 7D 20 16
XX7D8C: 70 60 0D 0A 2D 2D 2D 2D 2D 2D
XX7D96: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7DA0: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7DAA: 2D 2D 2D 2D 2D 2D 2D 2D 0D 0A
XX7DB4: 57 61 69 74 69 6E 67 2E 20 28
XX7DBE: 68 69 74 20 61 6E 79 20 6B 65
XX7DC8: 79 20 74 6F 20 73 74 6F 70 2E
XX7DD2: 29 2E 2E 2E 0D 0A 00 0D 0A 2D
XX7DDC: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7DE6: 2D 2D 2D 2D 0D 0A 44 69 73 63
XX7DF0: 6F 6E 6E 65 63 74 65 64 2E 2E
XX7DFA: 2E 0D 0A 00 1B 5B 33 3B 31 48
XX7E04: 54 68 69 73 20 63 6F 6D 70 75
XX7E0E: 74 65 72 20 69 73 20 63 6F 6E
XX7E18: 6E 65 63 74 65 64 20 74 6F 20
XX7E22: 61 20 63 6F 6D 6D 75 6E 69 63
XX7E2C: 61 74 69 6F 6E 73 20 6E 65 74
XX7E36: 77 6F 72 6B 2E 20 54 68 65 72
XX7E40: 65 20 69 73 20 6E 6F 74 68 69
XX7E4A: 6E 67 0D 0A 74 6F 20 64 69 61
XX7E54: 6C 2C 20 79 6F 75 20 61 72 65
XX7E5E: 20 61 6C 72 65 61 64 79 20 63
XX7E68: 6F 6E 6E 65 63 74 65 64 2E 0D
XX7E72: 0A 00 1B 5B 33 3B 31 48 59 6F
XX7E7C: 75 72 20 6D 6F 64 65 6D 20 69
XX7E86: 73 20 6E 6F 74 20 63 6F 6D 70
XX7E90: 61 74 69 62 6C 65 20 77 69 74
XX7E9A: 68 20 74 68 69 73 20 70 72 6F
XX7EA4: 67 72 61 6D 2E 20 20 41 75 74
XX7EAE: 6F 6D 61 74 69 63 20 64 69 61
XX7EB8: 6C 69 6E 67 20 69 73 0D 0A 49
XX7EC2: 6D 70 6F 73 73 69 62 6C 65 2E
XX7ECC: 20 20 50 6C 65 61 73 65 20 64
XX7ED6: 69 61 6C 20 6D 61 6E 75 61 6C
XX7EE0: 6C 79 2C 20 6F 72 20 74 79 70
XX7EEA: 65 20 79 6F 75 72 20 6D 6F 64
XX7EF4: 65 6D 20 63 6F 6D 6D 61 6E 64
XX7EFE: 73 20 64 69 72 65 63 74 6C 79
XX7F08: 2E 0D 0A 1B 5B 36 3B 31 48 50
XX7F12: 6C 65 61 73 65 20 73 74 72 69
XX7F1C: 6B 65 20 61 6E 79 20 6B 65 79
XX7F26: 20 74 6F 20 63 6F 6E 74 69 6E
XX7F30: 75 65 2E 20 00 20 1E 50 A9 04
XX7F3A: 20 A8 FC 2C 00 C0 10 F3 2C 10
XX7F44: C0 AD 00 C0 60 A0
XX3D0G
XXBSAVE DCOM.CONTROL,A$7000,L3913
XXTEXT:HOME:?"UNPACKING:":?"KEYBOARD DRIVER":POKE 34,3:HOME:CALL -151
XX6000: 4C 9A 60 48
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XX6004: 68 4A 6A 4B 6B 4C 6C 51 71 57
XX600E: 77 45 65 72 52 37 38 39 34 35
XX6018: 36 31 32 33 2E 2D 2C 0D 30 08
XX6022: 0A 0B 15 42 62 00 00 00 00 00
XX602C: 00 00 00 00 00 00 00 00 04 04
XX6036: 02 02 01 01 03 03 05 05 06 06
XX6040: 07 07 08 08 09 0A 0B 0D 0E 0F
XX604A: 11 12 13 16 0C 10 14 15 04 02
XX6054: 01 03 17 17 00 00 00 00 00 00
XX605E: 00 00 00 00 00 00 00 00 00 00
XX6068: 00 00 00 00 00 00 00 00 41 42
XX6072: 43 44 50 51 52 53 77 78 79 6D
XX607C: 74 75 76 6C 71 72 73 4D 70 6E
XX6086: 00 00 00 00 00 00 00 00 00 00
XX6090: 00 00 00 00 4C 00 70 00 00 00
XX609A: 8D 98 60 2C 61 C0 30 20 2C 62
XX60A4: C0 30 1B 20 09 40 2C 03 03 30
XX60AE: 01 60 A9 0A 4C 09 40 60 4C 06
XX60B8: 70 4C 03 70 4C 0C 70 4C 09 70
XX60C2: C9 1B F0 CE C9 44 F0 EC C9 64
XX60CC: F0 E8 C9 4D F0 E7 C9 6D F0 E3
XX60D6: C9 58 F0 E2 C9 78 F0 DE C9 41
XX60E0: F0 DD C9 61 F0 D9 2C 0D 03 10
XX60EA: 05 A2 3F 4C F2 60 A2 4F 8E 99
XX60F4: 60 A2 00 A8 DD 03 60 F0 06 E8
XX60FE: E0 32 D0 F6 60 BC 34 60 88 BE
XX6108: 70 60 8E 97 60 C0 04 90 40 C0
XX6112: 16 F0 38 C0 08 90 0B AD 98 60
XX611C: 2C 14 03 10 86 4C 2E 61 2C 0D
XX6126: 03 10 05 A2 00 8E 99 60 A9 1B
XX6130: 20 09 40 20 06 20 AD 99 60 C9
XX613A: 00 F0 03 20 09 40 20 06 20 AD
XX6144: 97 60 20 09 40 20 06 20 60 20
XX614E: 0F 40 60 2C 0D 03 10 08 A9 00
XX6158: 8D 99 60 4C 63 61 2C 15 03 10
XX6162: 1F A9 1B 20 09 40 20 06 20 AD
XX616C: 99 60 C9 00 F0 03 20 09 40 20
XX6176: 06 20 AD 97 60 20 09 40 20 06
XX6180: 20 60 A9 1B 20 09 40 20 06 20
XX618A: A9 5B 20 09 40 20 06 20 AD 97
XX6194: 60 20 09 40 20 06 20 60 0A
XX3D0G
XXBSAVE DCOM.KEYBOARD.IIE,A$6000,L412
XXTEXT:HOME:?"DONE. TYPE 'EXEC TO.APPLE.2' TO GO ON.":?:?
SHAR_EOF
if test 27350 -ne "`wc -c < 'to.apple.1'`"
then
     echo shar: error transmitting "'to.apple.1'" '(should have been 27350
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'to.apple.2'" '(20774 characters)'
if test -f 'to.apple.2'
```

```
then
     echo shar: will not over-write existing file "'to.apple.2'"
else
sed 's/^XX//' << \SHAR_EOF > 'to.apple.2'
XXTEXT:HOME:?"UNPACKING:":?"ALS DISPATCHER DRIVER":POKE 34,3:HOME:CALL -151
XX4000: 4C B8 41 4C 0E 42
XX4006: 4C 34 42 4C 1C 42 4C 32 40 4C
XX4010: 43 42 00 00 00 F0 FF FF FF F0
XX401A: FF FF 00 00 00 60 00 00 00 00
XX4024: 15 11 1D 00 19 00 00 00 00 00
XX402E: 0D 05 09 01 C9 03 90 13 AA A8
XX4038: B9 12 40 F0 0C C0 05 90 0C C0
XX4042: 07 90 59 C0 0A 90 01 60 4C 12
XX404C: 41 C0 03 D0 27 A9 FF A0 06 99
XX4056: 12 40 88 C0 03 D0 F8 A9 F0 99
XX4060: 12 40 A0 09 B9 12 40 C9 F0 F0
XX406A: 05 A9 FF 99 12 40 88 C0 06 D0
XX4074: EF 4C 63 41 A0 09 A9 00 99 12
XX407E: 40 88 99 12 40 88 A9 F0 99 12
XX4088: 40 88 A9 FF 99 12 40 88 C0 03
XX4092: B0 F8 A0 04 A9 F0 99 12 40 4C
XX409C: 63 41 C0 05 F0 13 20 C8 40 A0
XX40A6: 05 A9 FF 99 12 40 C8 A9 F0 99
XX40B0: 12 40 4C 63 41 20 C8 40 A0 05
XX40BA: A9 F0 99 12 40 C8 A9 FF 99 12
XX40C4: 40 4C 63 41 A0 03 A9 FF 99 12
XX40CE: 40 C8 99 12 40 A0 07 B9 12 40
XX40D8: C9 F0 F0 21 A9 00 99 12 40 C8
XX40E2: B9 12 40 C9 F0 F0 0C A9 FF 99
XX40EC: 12 40 C8 A9 F0 99 12 40 60 C8
XX40F6: A9 FF 99 12 40 60 60 A9 F0 A0
XX4100: 08 99 12 40 88 A9 00 99 12 40
XX410A: A9 FF A0 09 99 12 40 60 BD 12
XX4114: 40 C9 00 F0 1B A0 09 B9 12 40
XX411E: C9 00 F0 05 A9 FF 99 12 40 88
XX4128: C0 06 D0 EF A9 F0 9D 12 40 4C
XX4132: 63 41 60 A0 0B B9 12 40 C9 F0
XX413C: F0 06 88 10 F6 4C 50 41 C0 03
XX4146: 90 09 C0 07 90 0B C0 0C 90 0D
XX4150: 60 8C 1D 03 4C 3E 41 8C 1F 03
XX415A: 4C 3E 41 8C 1E 03 4C 3E 41 20
XX4164: 35 41 AD 1F 03 C9 03 F0 0D C9
XX416E: 04 F0 0E C9 05 F0 0F C9 06 F0
XX4178: 10 60 A2 00 4C 8B 41 A2 01 4C
XX4182: 8B 41 A2 08 4C 8B 41 A2 09 AD
XX418C: 1E 03 C9 07 F0 09 C9 08 F0 0A
XX4196: C9 09 F0 0B 60 A0 02 4C A7 41
XX41A0: A0 06 4C A7 41 A0 04 8A 8C B7
XX41AA: 41 18 6D B7 41 A8 B9 22 40 8D
XX41B4: AE C0 60 00 AD 1A 03 18 69 C0
XX41BE: 8D 20 40 AD 1A 03 0A 0A 0A 0A
XX41C8: 8D 21 40 AE 20 40 8E 3F 42 8E
XX41D2: 2F 42 8E 1B 42 8E F5 41 A0 0D
```

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XX41DC: AD 20 40 85 01 A9 00 85 00 B1
XX41E6: 00 8D F4 41 AE 20 40 AC 21 40
XX41F0: 2C FF CF 20 FF FF A0 0E B1 00
XX41FA: 8D 3E 42 A0 0F B1 00 8D 2E 42
XX4204: A0 10 B1 00 8D 1A 42 4C 35 41
XX420E: AE 20 40 AC 21 40 A9 01 2C FF
XX4218: CF 4C FF FF 2C 00 03 30 12 20
XX4222: 06 20 AE 20 40 AC 21 40 2C FF
XX422C: CF 20 FF FF 4C 06 20 60 AE 20
XX4236: 40 AC 21 40 2C FF CF 20 FF FF
XX4240: 29 7F 60 60 C0
XX3D0G
XXBSAVE DCOM.MODEM.ALSDIS,A$4000,L580
XXTEXT:HOME:?"UNPACKING:":?"ALS DISPATCHER DEFAULTS":POKE 34,3:HOME:CALL -151
XX4012: 00 00 00 F0 FF FF FF F0
XX401A: FF FF 00 00 00 60
XX3D0G
XXBSAVE DCOM.MODEM.ALSDIS.D,A$4012,L13
XXTEXT:HOME:?"UNPACKING:":?"CPS MULTIFUNCTION CARD DRIVER":POKE 34,3:HOME:CALL
-151
XX4000: 4C 23 40 4C 60 40
XX4006: 4C 71 40 4C 6B 40 4C 22 40 4C
XX4010: 22 40 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 00 00 00 60 AD
XX4024: 1A 03 18 69 C0 8D 1F 40 8D 3D
XX402E: 40 8D 67 40 8D 73 40 8D 6F 40
XX4038: 8D 64 40 20 00 FF A2 00 8E 21
XX4042: 40 BD 55 40 C9 FF F0 0A 20 6B
XX404C: 40 AE 21 40 E8 4C 40 40 60 09
XX4056: 01 01 43 01 4B 01 4F 0D 00 FF
XX4060: A9 00 8D FE FF AD FB FF 6A 6A
XX406A: 60 29 7F 20 05 FF 60 AD FA FF
XX4074: 29 7F 60 41
XX3D0G
XXBSAVE DCOM.MODEM.CPS,A$4000,L119
XXTEXT:HOME:?"UNPACKING:":?"CPS DEFAULTS":POKE 34,3:HOME:CALL -151
XX4012: 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 00
XX3D0G
XXBSAVE DCOM.MODEM.CPS.D,A$4012,L13
XXTEXT:HOME:?"UNPACKING:":?"GENERIC PASCAL DRIVER":POKE 34,3:HOME:CALL -151
XX4000: 4C 22 40 4C 76 40
XX4006: 4C 9C 40 4C 84 40 4C 21 40 4C
XX4010: 21 40 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 00 00 60 AD 1A
XX4024: 03 18 69 C0 8D 1F 40 AD 1A 03
XX402E: 0A 0A 0A 0A 8D 20 40 AE 1F 40
XX4038: 8E A7 40 8E 97 40 8E 83 40 8E
XX4042: 5F 40 A0 0D AD 1F 40 85 01 A9
XX404C: 00 85 00 B1 00 8D 5E 40 AE 1F
XX4056: 40 AC 20 40 2C FF CF 20 FF FF
XX4060: A0 0E B1 00 8D A6 40 A0 0F B1
XX406A: 00 8D 96 40 A0 10 B1 00 8D 82
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XX4074: 40 60 AE 1F 40 AC 20 40 A9 01
XX407E: 2C FF CF 4C FF FF 2C 00 03 30
XX4088: 12 20 06 20 AE 1F 40 AC 20 40
XX4092: 2C FF CF 20 FF FF 4C 06 20 60
XX409C: AE 1F 40 AC 20 40 2C FF CF 20
XX40A6: FF FF 29 7F 60 40
XX3D0G
XXBSAVE DCOM.MODEM.PASCAL,A$4000,L171
XXTEXT:HOME:?"UNPACKING:":?"GENERIC PASCAL DEFAULTS":POKE 34,3:HOME:CALL -151
XX4012: 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 00
XX3D0G
XXBSAVE DCOM.MODEM.PASCAL.D,A$4012,L13
XXTEXT:HOME:?"UNPACKING:":?"SUPER SERIAL CARD DRIVER":POKE 34,3:HOME:CALL -151
XX4000: 4C 9F 40 4C 2D 41
XX4006: 4C 53 41 4C 3B 41 4C 2E 40 4C
XX4010: 62 41 FF F0 FF FF F0 FF FF F0
XX401A: FF FF 00 00 FF 60 00 00 06 08
XX4024: 0A 10 90 30 B0 0B 6B 2B 00 00
XX402E: A8 AA BD 12 40 F0 25 98 AA E0
XX4038: 03 90 0D 98 AA E0 07 90 0D 98
XX4042: AA E0 0C 90 0D 60 8E 1D 03 4C
XX404C: 5B 40 8E 1F 03 4C 5B 40 8E 1E
XX4056: 03 4C 5B 40 60 AE 1D 03 AC 1F
XX4060: 03 BD 22 40 18 79 22 40 AC 21
XX406A: 40 99 8B C0 AE 1E 03 BD 22 40
XX4074: 99 8A C0 A2 00 BD 12 40 C9 00
XX407E: F0 05 A9 FF 9D 12 40 E8 E0 0D
XX4088: 90 EF A9 F0 AE 1F 03 AC 1D 03
XX4092: 9D 12 40 99 12 40 AE 1E 03 9D
XX409C: 12 40 60 AD 1A 03 18 69 C0 8D
XX40A6: 20 40 AD 1A 03 0A 0A 0A 0A 8D
XX40B0: 21 40 AE 20 40 8E 5E 41 8E 4E
XX40BA: 41 8E 3A 41 8E DC 40 A0 0D AD
XX40C4: 20 40 85 01 A9 00 85 00 B1 00
XX40CE: 8D DB 40 AE 20 40 AC 21 40 2C
XX40D8: FF CF 20 FF FF A0 0E B1 00 8D
XX40E2: 5D 41 A0 0F B1 00 8D 4D 41 A0
XX40EC: 10 B1 00 8D 39 41 A2 02 BD 12
XX40F6: 40 C9 F0 F0 06 CA 10 F6 4C 04
XX4100: 41 8E 1D 03 A2 06 BD 12 40 C9
XX410A: F0 F0 08 CA E0 03 B0 F4 4C 18
XX4114: 41 8E 1F 03 A2 0B BD 12 40 C9
XX411E: F0 F0 06 CA E0 07 B0 F4 60 8E
XX4128: 1E 03 4C 5B 40 AE 20 40 AC 21
XX4132: 40 A9 01 2C FF CF 4C FF FF 2C
XX413C: 00 03 30 12 20 06 20 AE 20 40
XX4146: AC 21 40 2C FF CF 20 FF FF 4C
XX4150: 06 20 60 AE 20 40 AC 21 40 2C
XX415A: FF CF 20 FF FF 29 7F 60 2C FF
XX4164: CF AD 00 C2 AC 21 40 20 C1 CD
XX416E: 60 F0
XX3D0G
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XXBSAVE DCOM.MODEM.SSC,A$4000,L367
XXTEXT:HOME:?"UNPACKING:":?"SUPER SERIAL DEFAULTS":POKE 34,3:HOME:CALL -151
XX4012: FF F0 FF F0 FF FF FF F0
XX401A: FF FF 00 00 FF 60
XX3D0G
XXBSAVE DCOM.MODEM.SSC.D,A$4012,L13
XXTEXT:HOME:?"UNPACKING:":?"HAYES TONE DIALING DRIVER":POKE 34,3:HOME:CALL -151
XX6800: 00 4C 30 68 4C 76
XX6806: 68 4C AD 68 00 20 09 40 A9 00
XX6810: 20 A8 FC A9 20 20 A8 FC 60 00
XX681A: A2 0F 8E 19 68 A9 00 20 A8 FC
XX6824: A9 2E 20 09 20 AE 19 68 CA 10
XX682E: ED 60 A9 0D 20 0B 68 A9 41 20
XX6838: 0B 68 A9 54 20 0B 68 A9 44 20
XX6842: 0B 68 A9 54 20 0B 68 A9 20 20
XX684C: 0B 68 A2 00 BD 00 02 C9 00 F0
XX6856: 16 8E 0A 68 48 20 09 20 68 20
XX6860: 0B 68 AE 0A 68 E8 E0 28 F0 03
XX686A: 4C 50 68 A9 0D 20 0B 68 20 0C
XX6874: 20 60 A9 0D 20 0B 68 20 1A 68
XX687E: A9 2B 20 0B 68 A9 2B 20 0B 68
XX6888: A9 2B 20 0B 68 20 1A 68 A9 41
XX6892: 20 0B 68 A9 54 20 0B 68 A9 48
XX689C: 20 0B 68 A9 30 20 0B 68 A9 0D
XX68A6: 20 0B 68 20 0C 20 60 60 BE
XX3D0G
XXBSAVE DCOM.PERSONALITY.HAYES,A$6800,L174
XXTEXT:HOME:?"UNPACKING:":?"HAYES PULSE DIALING DRIVER":POKE 34,3:HOME:CALL -151
XX6800: 00 4C 30 68 4C 76
XX6806: 68 4C AD 68 00 20 09 40 A9 00
XX6810: 20 A8 FC A9 20 20 A8 FC 60 00
XX681A: A2 0F 8E 19 68 A9 00 20 A8 FC
XX6824: A9 2E 20 09 20 AE 19 68 CA 10
XX682E: ED 60 A9 0D 20 0B 68 A9 41 20
XX6838: 0B 68 A9 54 20 0B 68 A9 44 20
XX6842: 0B 68 A9 50 20 0B 68 A9 20 20
XX684C: 0B 68 A2 00 BD 00 02 C9 00 F0
XX6856: 16 8E 0A 68 48 20 09 20 68 20
XX6860: 0B 68 AE 0A 68 E8 E0 28 F0 03
XX686A: 4C 50 68 A9 0D 20 0B 68 20 0C
XX6874: 20 60 A9 0D 20 0B 68 20 1A 68
XX687E: A9 2B 20 0B 68 A9 2B 20 0B 68
XX6888: A9 2B 20 0B 68 20 1A 68 A9 41
XX6892: 20 0B 68 A9 54 20 0B 68 A9 48
XX689C: 20 0B 68 A9 30 20 0B 68 A9 0D
XX68A6: 20 0B 68 20 0C 20 60 60 BE
XX3D0G
XXBSAVE DCOM.PERSONALITY.PHAYES,A$6800,L174
XXTEXT:HOME:?"UNPACKING:":?"U/B NET-ONE LAN DRIVER":POKE 34,3:HOME:CALL -151
XX6800: 03 4C 20 68 4C 5F
XX6806: 68 4C 74 68 00 20 09 40 A2 07
XX6810: 20 75 68 60 00 A2 1D 20 75 68
XX681A: A9 2E 20 09 20 60 A9 0D 20 0B
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XX6824: 68 20 15 68 A9 0D 20 0B 68 20
XX682E: 15 68 A9 43 20 0B 68 A9 20 20
XX6838: 0B 68 A2 00 BD 00 02 C9 00 F0
XX6842: 16 8E 0A 68 48 20 09 20 68 20
XX684C: 0B 68 AE 0A 68 E8 E0 28 F0 03
XX6856: 4C 3C 68 A9 0D 20 0B 68 60 A9
XX6860: 0D 20 0B 68 A9 51 20 0B 68 A9
XX686A: 20 20 0B 68 A9 0D 20 0B 68 60
XX6874: 60 8A 48 A0 FF 98 48 20 06 20
XX687E: 68 A8 88 D0 F6 68 AA CA D0 ED
XX6888: 60 2B
XX3D0G
XXBSAVE DCOM.PERSONALITY.NETONE,A$6800,L137
XXTEXT:HOME:?"UNPACKING:":?"DIRECT CONNECT NETWORK DRIVER":POKE 34,3:HOME:CALL
-151
XX6800: 01 4C 0A 68 4C 0B
XX6806: 68 4C 19 68 60 A9 00 20 A8 FC
XX6810: 20 A8 FC 20 A8 FC 20 A8 FC 60
XX681A: A9 2E 20 09 20 60 A9 0D 20 0B
XX6824: 68 20 15 68 A9 0D 20 0B 68 20
XX682E: 15 68 A9 43 20 0B 68 A9 20 20
XX6838: 0B 68 A2 00 BD 00 02 C9 00 F0
XX6842: 16 8E 0A 68 48 20 09 20 68 20
XX684C: 0B 68 AE 0A 68 E8 E0 28 F0 03
XX6856: 4C 3C 68 A9 0D 20 0B 68 60 A9
XX6860: 0D 20 0B 68 A9 51 20 0B 68 A9
XX686A: 20 20 0B 68 A9 0D 20 0B 68 60
XX6874: 60 8A 48 A0 FF 98 48 20 06 20
XX687E: 68 A8 88 D0 F6 68 AA CA D0 ED
XX6888: 60 2B 20 0B 68 20 1A 68 A9 41
XX6892: 20 0B 68 A9 54 20 0B 68 A9 48
XX689C: 20 0B 68 A9 30 20 0B 68 A9 0D
XX68A6: 20 0B 68 20 0C 20 60 60 BE 8E
XX68B0: BA 97 CA 8E A6 BE 8E 6F BE 8D
XX68BA: 91 C0 20 68 BF 4C 1C F6 C4 C1
XX68C4: D6 C9 C4 AD C4 CF D3 C9 CE A0
XX68CE: C3 C1 D2 C4 A0 B0 06 09 0E 04
XX68D8: A0 14 0C 0F 01 04 A0 14 0C 09
XX68E2: 13 14 A0 04 15 0D 10 A0 04 09
XX68EC: 13 01 A0 01 0C C3 CF D0 D9 D2
XX68F6: C9 C7 C8 D4 A0 B1 B9 B8 B2 A0
XX6900: C4 C1 D6 C9 C4 A0 D7 C5 D3 D4
XX690A: CF CE
XX3D0G
XXBSAVE DCOM.PERSONALITY.NETWORK,A$6800,L267
XXTEXT:HOME:?"UNPACKING:":?"DUMB DIALING MODULE":POKE 34,3:HOME:CALL -151
XX6800: 02 4C 0A 68 4C 0B
XX6806: 68 4C 19 68 60 A9 00 20 A8 FC
XX6810: 20 A8 FC 20 A8 FC 20 A8 FC 60
XX681A: A9
XX3D0G
XXBSAVE DCOM.PERSONALITY.DUMB,A$6800,L26
XXTEXT:HOME:?"UNPACKING:":?"DOUBLE VISION SCREEN DRIVER":POKE 34,3:HOME:CALL -151
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XX5000: 4C F0 50 4C FC 50 4C 05 51 4C
XX500A: 2D 51 4C 67 51 4C 80 51 4C A8
XX5014: 51 4C BA 51 4C D3 51 4C EA 51
XX501E: 4C 04 52 4C 3E 52 4C 8A 52 4C
XX5028: C3 52 4C 52 53 4C 7B 53 4C 9E
XX5032: 53 4C C4 53 4C DF 53 4C 14 54
XX503C: 4C 4C 54 4C A3 54 4C 2D 53 4C
XX5046: 32 53 4C B2 54 4C 18 55 4C 9B
XX5050: 55 4C ED 55 60 6C 50 59 05 1D
XX505A: 16 18 1C 00 07 20 07 00 00 00
XX5064: 00 00 50 A0 F0 40 90 E0 30 80
XX506E: D0 20 70 C0 10 60 B0 00 50 A0
XX5078: F0 40 90 E0 30 80 C8 C8 C8 C8
XX5082: C9 C9 C9 CA CA CA CB CB CB CC
XX508C: CC CC CD CD CD CD CE CE CE CF
XX5096: CF 20 18 7F 09 0A 0D 0B 0E 0E
XX50A0: 0D 08 2B 2B 2B 2B 2B 2D 2D 2D
XX50AA: 2D 5F 2D 2D 2D 2D 7C 3C 3E 07
XX50B4: 19 23 0F 00 00 00 00 00 00 00
XX50BE: 2C FF CF 2C B4 C0 2C B2 C0 30
XX50C8: FB 2C B2 C0 10 FB 8D FF FF 2C
XX50D2: B6 C0 60 2C B2 C0 30 FB 2C B2
XX50DC: C0 10 FB 8C B0 C0 2C B2 C0 30
XX50E6: FB 2C B2 C0 10 FB 8D B1 C0 60
XX50F0: A0 0F B9 55 50 20 D5 50 88 10
XX50FA: F7 60 A0 17 20 05 51 88 10 FA
XX5104: 60 A9 00 99 80 03 2C FF CF 2C
XX510E: B4 C0 B9 65 50 8D 22 51 B9 7E
XX5118: 50 8D 23 51 AD 08 03 A2 4F 9D
XX5122: FF FF CA 10 FA 2C B6 C0 4C 06
XX512C: 20 BD 80 03 99 80 03 8A 48 2C
XX5136: FF CF 2C B4 C0 BD 65 50 8D 56
XX5140: 51 BD 7E 50 8D 57 51 B9 65 50
XX514A: 8D 59 51 B9 7E 50 8D 5A 51 A2
XX5154: 4F BD FF FF 9D FF FF CA 10 F7
XX515E: 2C B6 C0 20 06 20 68 AA 60 48
XX5168: 8A 18 79 65 50 8D CF 50 B9 7E
XX5172: 50 69 00 8D D0 50 68 20 BE 50
XX517C: 20 06 20 60 AE 0F 03 E0 00 D0
XX5186: 06 AC 10 03 4C 05 51 A2 4F AC
XX5190: 10 03 AD 08 03 8E BA 50 20 67
XX519A: 51 AE BA 50 EC 0F 03 F0 04 CA
XX51A4: 4C 95 51 60 20 80 51 A0 17 CC
XX51AE: 10 03 F0 07 20 05 51 88 4C AD
XX51B8: 51 60 AC 12 03 C8 98 AA 88 20
XX51C2: 2D 51 C8 E8 EC 13 03 90 F6 F0
XX51CC: F4 AC 13 03 4C 05 51 AC 13 03
XX51D6: 88 98 AA C8 20 2D 51 88 CA CC
XX51E0: 12 03 D0 F6 AC 12 03 4C 05 51
XX51EA: 2C BB 50 30 01 60 AD B8 50 AE
XX51F4: 0F 03 AC 10 03 20 67 51 A9 00
XX51FE: 8D BB 50 4C 35 52 AE 11 03 D0
XX5208: 01 60 EE BC 50 F0 03 4C 15 52
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XX5212: EE BD 50 AE BD 50 EC 11 03 F0
XX521C: 01 60 2C BB 50 10 09 20 EA 51
XX5226: A9 00 8D BB 50 60 20 3E 52 A9
XX5230: 80 8D BB 50 60 A9 00 8D BC 50
XX523A: 8D BD 50 60 2C BB 50 30 44 AE
XX5244: 0F 03 AC 10 03 20 8A 52 8D B8
XX524E: 50 49 80 AE 0F 03 20 67 51 A9
XX5258: 80 8D BB 50 AC 10 03 B9 80 03
XX5262: 2A B0 0D A2 00 8E 09 03 A2 FF
XX526C: 8E 0A 03 4C 87 52 A2 FF 8E 09
XX5276: 03 2A B0 08 A2 00 8E 0A 03 4C
XX5280: 87 52 A2 FF 8E 0A 03 4C 35 52
XX528A: 18 8A 79 65 50 8D A1 52 B9 7E
XX5294: 50 69 00 8D A2 52 2C FF CF 2C
XX529E: B4 C0 AD FF FF 2C B6 C0 20 06
XX52A8: 20 60 2C 0B 03 10 0B C9 5F 90
XX52B2: 07 38 E9 5F A8 B9 97 50 2C 0A
XX52BC: 03 30 02 A9 2D 60 00 20 AA 52
XX52C6: 48 20 EA 51 2C C2 52 10 24 AE
XX52D0: 0F 03 E0 4F D0 1D 2C 05 03 10
XX52DA: 18 A2 00 8E 0F 03 EE 10 03 AC
XX52E4: 10 03 CC 13 03 90 08 F0 06 20
XX52EE: BA 51 CE 10 03 A2 00 8E C2 52
XX52F8: 2C 01 03 10 03 20 14 54 AE 0F
XX5302: 03 AC 10 03 68 2C 08 03 10 02
XX530C: 49 80 2C 0C 03 10 02 49 80 20
XX5316: 67 51 EE 0F 03 AE 0F 03 E0 50
XX5320: 90 08 A9 FF 8D C2 52 CE 0F 03
XX532A: 4C 3E 52 A2 00 8E 0F 03 EE 10
XX5334: 03 AC 10 03 C0 18 F0 0A CC 13
XX533E: 03 B0 03 4C 3E 52 F0 FB 20 BA
XX5348: 51 AC 13 03 8C 10 03 4C 3E 52
XX5352: 20 EA 51 A2 00 8E 0F 03 AC 10
XX535C: 03 C0 00 F0 14 A0 17 A2 16 20
XX5366: 2D 51 88 CA EC 10 03 B0 F6 20
XX5370: 80 51 4C 3E 52 20 D3 51 4C 3E
XX537A: 52 A2 00 8E 0F 03 20 EA 51 AC
XX5384: 10 03 C0 17 F0 0C 98 AA E8 20
XX538E: 2D 51 C8 E8 E0 18 D0 F7 A0 17
XX5398: 20 05 51 4C 3E 52 20 EA 51 AE
XX53A2: 0F 03 8E C2 53 AC 10 03 8C C3
XX53AC: 53 AD 08 03 20 67 51 AC C3 53
XX53B6: CE C2 53 AE C2 53 10 EF 20 3E
XX53C0: 52 60 00 00 20 EA 51 AC 10 03
XX53CA: F0 12 88 8C C3 53 20 05 51 CE
XX53D4: C3 53 AC C3 53 10 F5 20 9E 53
XX53DE: 60 20 EA 51 AE 0F 03 8E C2 53
XX53E8: AE C2 53 E8 AC 10 03 20 8A 52
XX53F2: AE C2 53 AC 10 03 20 67 51 EE
XX53FC: C2 53 AE C2 53 E0 4F 90 E3 A2
XX5406: 4F AC 10 03 AD 08 03 20 67 51
XX5410: 20 3E 52 60 AE 0F 03 E0 4F F0
XX541A: 2F 20 3E 52 A2 4E 8E B7 50 AE
```

```
XX5424: B7 50 20 8A 52 AE B7 50 E8 20
XX542E: 67 51 AE B7 50 EC 0F 03 F0 06
XX5438: CE B7 50 4C 23 54 AE 0F 03 AC
XX5442: 10 03 AD 08 03 20 67 51 60 00
XX544C: 20 EA 51 AE 08 03 8E 4B 54 A2
XX5456: 45 8E 08 03 20 FC 50 AE 4B 54
XX5460: 8E 08 03 20 3E 52 60 2C B4 C0
XX546A: B9 65 50 8D 85 54 8D 7F 54 B9
XX5474: 7E 50 8D 86 54 8D 80 54 A2 4F
XX547E: BD FF FF 18 69 80 9D FF FF CA
XX5488: 10 F4 2C B6 C0 2C FF CF 20 06
XX5492: 20 8D 00 C3 2C FF CF 2C B4 C0
XX549C: AD 00 CE 8D 00 CE 60 20 EA 51
XX54A6: A0 17 20 67 54 88 10 FA 20 3E
XX54B0: 52 60 20 EA 51 AD B8 50 8D B9
XX54BA: 50 2C FF CF 2C B4 C0 A2 00 8E
XX54C4: D9 54 A2 84 8E DA 54 A9 00 8D
XX54CE: D6 54 A9 C8 8D D7 54 AD FF FF
XX54D8: 8D FF FF EE D6 54 D0 1C 2C B6
XX54E2: C0 2C FF CF 20 06 20 2C B4 C0
XX54EC: AD 00 CE 8D 00 CE EE D7 54 AD
XX54F6: D7 54 C9 D0 F0 0B EE D9 54 D0
XX5500: D4 EE DA 54 4C D5 54 A0 A0 B9
XX550A: 00 03 99 00 81 88 C0 FF D0 F5
XX5514: 2C B6 C0 60 2C B4 C0 AD 00 CE
XX551E: 8D 00 CE A2 00 8E 36 55 A2 84
XX5528: 8E 37 55 A9 00 8D 39 55 A9 C8
XX5532: 8D 3A 55 AD FF FF 8D FF FF EE
XX553C: 39 55 D0 22 2C B6 C0 2C FF CF
XX5546: 20 06 20 8D 00 C3 2C FF CF 2C
XX5550: B4 C0 AD 00 CE 8D 00 CE EE 3A
XX555A: 55 AD 3A 55 C9 D0 F0 0B EE 36
XX5564: 55 D0 CE EE 37 55 4C 35 55 A0
XX556E: A0 B9 00 81 99 00 03 88 C0 7F
XX5578: D0 F5 A0 0F B9 00 81 99 00 03
XX5582: C8 B9 00 81 99 00 03 2C B6 C0
XX558C: AD B9 50 8D B8 50 A9 00 8D BB
XX5596: 50 20 3E 52 60 20 EA 51 A2 00
XX55A0: 8E EB 55 8E EC 55 20 EA 51 AC
XX55AA: 10 03 AE EB 55 20 8A 52 AC 10
XX55B4: 03 AE EC 55 20 67 51 EE EB 55
XX55BE: EE EB 55 EE EC 55 AC EC 55 C0
XX55C8: 28 F0 03 4C A9 55 20 3E 52 AD
XX55D2: 0F 03 48 20 EA 51 A2 28 AC 10
XX55DC: 03 8E 0F 03 20 80 51 68 8D 0F
XX55E6: 03 20 3E 52 60 00 00 A2 27 8E
XX55F0: EB 55 A0 4E 8C EC 55 AE EB 55
XX55FA: AC 10 03 20 8A 52 AE EC 55 AC
XX5604: 10 03 20 67 51 CE EC 55 AC 10
XX560E: 03 AE EC 55 AD 08 03 20 67 51
XX5618: CE EC 55 CE EB 55 AC EB 55 F0
XX5622: 03 4C F7 55 60 03
XX3D0G
```

```
XXBSAVE DCOM.SCREEN.DVISION,A$5000,L1575
XXTEXT:HOME:?"UNPACKING:":?"APPLE IIE SCREEN DRIVER":POKE 34,3:HOME:CALL -151
XX5000: 4C AB 50 4C AF 50 4C B8 50 4C
XX500A: EF 50 4C 36 51 4C 5C 51 4C 86
XX5014: 51 4C 98 51 4C B1 51 4C C8 51
XX501E: 4C E2 51 4C 1C 52 4C 69 52 4C
XX5028: A3 52 4C 4B 53 4C 74 53 4C 97
XX5032: 53 4C BF 53 4C DA 53 4C 11 54
XX503C: 4C 4B 54 4C 9C 54 4C 26 53 4C
XX5046: 2B 53 4C 09 55 4C 3A 55 4C 9E
XX5050: 55 4C F0 55 00 80 00 80 00 80
XX505A: 00 80 28 A8 28 A8 28 A8 28 A8
XX5064: 50 D0 50 D0 50 D0 50 D0 04 04
XX506E: 05 05 06 06 07 07 04 04 05 05
XX5078: 06 06 07 07 04 04 05 05 06 06
XX5082: 07 07 20 18 7F 09 0A 0D 0B 0E
XX508C: 0E 0D 08 2B 2B 2B 2B 2B 2D 2D
XX5096: 2D 2D 5F 2D 2D 2D 2D 7C 3C 3E
XX50A0: 07 19 23 0F 00 00 00 00 00 00
XX50AA: 00 8D 0D C0 60 A0 17 20 B8 50
XX50B4: 88 10 FA 60 20 D2 50 8D 01 C0
XX50BE: 8D 55 C0 20 D2 50 8D 54 C0 8D
XX50C8: 00 C0 A9 00 99 80 03 4C 06 20
XX50D2: B9 54 50 8D E9 50 B9 6C 50 8D
XX50DC: EA 50 AD 08 03 49 80 8D FF BF
XX50E6: A2 27 9D FF FF CA 10 FA 60 BD
XX50F0: 80 03 99 80 03 8A 48 20 12 51
XX50FA: 8D 01 C0 8D 55 C0 68 48 AA 20
XX5104: 2A 51 8D 54 C0 8D 00 C0 20 06
XX510E: 20 68 AA 60 BD 54 50 8D 2D 51
XX5118: BD 6C 50 8D 2E 51 B9 54 50 8D
XX5122: 30 51 B9 6C 50 8D 31 51 A2 27
XX512C: BD FF FF 9D FF FF CA 10 F7 60
XX5136: 48 B9 54 50 8D 50 51 B9 6C 50
XX5140: 8D 51 51 8A 4A B0 06 8D 01 C0
XX514A: 8D 55 C0 AA 68 9D FF FF 20 06
XX5154: 20 8D 54 C0 8D 00 C0 60 AE 0F
XX515E: 03 E0 00 D0 06 AC 10 03 4C B8
XX5168: 50 A2 4F AC 10 03 AD 08 03 49
XX5172: 80 8E A7 50 20 36 51 AE A7 50
XX517C: EC 0F 03 F0 04 CA 4C 73 51 60
XX5186: 20 5C 51 A0 17 CC 10 03 F0 07
XX5190: 20 B8 50 88 4C 8B 51 60 AC 12
XX519A: 03 C8 98 AA 88 20 EF 50 C8 E8
XX51A4: EC 13 03 90 F6 F0 F4 AC 13 03
XX51AE: 4C B8 50 AC 13 03 88 98 AA C8
XX51B8: 20 EF 50 88 CA CC 12 03 D0 F6
XX51C2: AC 12 03 4C B8 50 2C A8 50 30
XX51CC: 01 60 AD A5 50 AE 0F 03 AC 10
XX51D6: 03 20 36 51 A9 00 8D A8 50 4C
XX51E0: 13 52 AE 11 03 D0 01 60 EE A9
XX51EA: 50 F0 03 4C F3 51 EE AA 50 AE
XX51F4: AA 50 EC 11 03 F0 01 60 2C A8
```

```
XX51FE: 50 10 09 20 C8 51 A9 00 8D A8
XX5208: 50 60 20 1C 52 A9 80 8D A8 50
XX5212: 60 A9 00 8D A9 50 8D AA 50 60
XX521C: 2C A8 50 30 45 AE 0F 03 AC 10
XX5226: 03 20 69 52 8D A5 50 20 7F 55
XX5230: AE 0F 03 20 36 51 A9 80 8D A8
XX523A: 50 AC 10 03 B9 80 03 2A B0 0D
XX5244: A2 00 8E 09 03 A2 FF 8E 0A 03
XX524E: 4C 66 52 A2 FF 8E 09 03 2A B0
XX5258: 08 A2 00 8E 0A 03 4C 66 52 A2
XX5262: FF 8E 0A 03 4C 13 52 B9 54 50
XX526C: 8D 81 52 B9 6C 50 8D 82 52 8A
XX5276: 4A B0 06 8D 01 C0 8D 55 C0 AA
XX5280: BD FF FF 8D 54 C0 8D 00 C0 60
XX528A: 2C 0B 03 10 0B C9 5F 90 07 38
XX5294: E9 5F A8 B9 84 50 2C 0A 03 30
XX529E: 02 A9 2D 60 00 20 8A 52 48 20
XX52A8: C8 51 2C A2 52 10 24 AE 0F 03
XX52B2: E0 4F D0 1D 2C 05 03 10 18 A2
XX52BC: 00 8E 0F 03 EE 10 03 AC 10 03
XX52C6: CC 13 03 90 08 F0 06 20 98 51
XX52D0: CE 10 03 A2 00 8E A2 52 2C 01
XX52DA: 03 10 09 AE 0F 03 AC 10 03 20
XX52E4: 11 54 AE 0F 03 AC 10 03 68 2C
XX52EE: 08 03 10 0D 2C 0C 03 30 15 49
XX52F8: 80 20 7F 55 4C 0E 53 2C 0C 03
XX5302: 10 08 49 80 20 7F 55 4C 0E 53
XX530C: 49 80 20 36 51 EE 0F 03 AE 0F
XX5316: 03 E0 50 90 08 A9 FF 8D A2 52
XX5320: CE 0F 03 4C 1C 52 A2 00 8E 0F
XX532A: 03 EE 10 03 AC 10 03 C0 18 F0
XX5334: 0A CC 13 03 B0 03 4C 1C 52 F0
XX533E: FB 20 98 51 AC 13 03 8C 10 03
XX5348: 4C 1C 52 20 C8 51 A2 00 8E 0F
XX5352: 03 AC 10 03 C0 00 F0 14 A0 17
XX535C: A2 16 20 EF 50 88 CA EC 10 03
XX5366: B0 F6 20 5C 51 4C 1C 52 20 B1
XX5370: 51 4C 1C 52 A2 00 8E 0F 03 20
XX537A: C8 51 AC 10 03 C0 17 F0 0C 98
XX5384: AA E8 20 EF 50 C8 E8 E0 18 D0
XX538E: F7 A0 17 20 B8 50 4C 1C 52 20
XX5398: C8 51 AE 0F 03 8E BD 53 AC 10
XX53A2: 03 8C BE 53 AD 08 03 49 80 20
XX53AC: 36 51 AC BE 53 CE BD 53 AE BD
XX53B6: 53 10 ED 20 1C 52 60 00 00 20
XX53C0: C8 51 AC 10 03 F0 12 88 8C BE
XX53CA: 53 20 B8 50 CE BE 53 AC BE 53
XX53D4: 10 F5 20 97 53 60 20 C8 51 AE
XX53DE: 0F 03 8E BD 53 AE BD 53 E8 AC
XX53E8: 10 03 20 69 52 AE BD 53 AC 10
XX53F2: 03 20 36 51 EE BD 53 AE BD 53
XX53FC: E0 4F 90 E3 A2 4F AC 10 03 AD
XX5406: 08 03 49 80 20 36 51 20 1C 52
```

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XX5410: 60 AE 0F 03 E0 4F F0 31 20 C8
XX541A: 51 A2 4E 8E A4 50 AE A4 50 20
XX5424: 69 52 AE A4 50 E8 20 36 51 AE
XX542E: A4 50 EC 0F 03 F0 06 CE A4 50
XX5438: 4C 20 54 AE 0F 03 AC 10 03 AD
XX5442: 08 03 49 80 20 36 51 60 00 20
XX544C: C8 51 AE 08 03 8E 4A 54 A2 45
XX5456: 8E 08 03 20 AF 50 AE 4A 54 8E
XX5460: 08 03 20 1C 52 60 B9 54 50 8D
XX546A: 96 54 8D 90 54 B9 6C 50 8D 97
XX5474: 54 8D 91 54 20 8D 54 8D 01 C0
XX547E: 8D 55 C0 20 8D 54 8D 54 C0 8D
XX5488: 00 C0 4C 06 20 A2 27 BD FF FF
XX5492: 20 7F 55 9D FF FF CA 10 F4 60
XX549C: 20 C8 51 A0 17 20 66 54 88 10
XX54A6: FA 20 1C 52 60 B9 54 50 8D BC
XX54B0: 54 B9 6C 50 8D BD 54 A0 00 A2
XX54BA: 27 BD FF FF 91 02 E6 02 D0 02
XX54C4: E6 03 CA 10 F2 60 A0 17 98 48
XX54CE: 20 AB 54 20 06 20 68 A8 88 10
XX54D8: F3 60 B9 54 50 8D ED 54 B9 6C
XX54E2: 50 8D EE 54 A0 00 A2 27 B1 02
XX54EC: 9D FF FF E6 02 D0 02 E6 03 CA
XX54F6: 10 F2 60 A0 17 98 48 20 DA 54
XX5500: 20 06 20 68 A8 88 10 F3 60 20
XX550A: C8 51 AD A5 50 8D A6 50 A9 00
XX5514: 85 02 A9 84 85 03 20 CA 54 8D
XX551E: 01 C0 8D 55 C0 20 CA 54 8D 54
XX5528: C0 8D 00 C0 A0 A0 B9 00 03 99
XX5532: 00 81 88 C0 FF D0 F5 60 A9 00
XX553C: 85 02 A9 84 85 03 20 F9 54 8D
XX5546: 01 C0 8D 55 C0 20 F9 54 8D 54
XX5550: C0 8D 00 C0 A0 A0 B9 00 81 99
XX555A: 00 03 88 C0 7F D0 F5 A0 0F B9
XX5564: 00 81 99 00 03 C8 B9 00 81 99
XX556E: 00 03 AD A6 50 8D A5 50 A9 00
XX5578: 8D A8 50 20 1C 52 60 C9 80 90
XX5582: 0F C9 C0 90 04 C9 E0 90 03 29
XX558C: 7F 60 38 E9 C0 60 C9 20 90 04
XX5596: 18 69 80 60 18 69 C0 60 20 C8
XX55A0: 51 A2 00 8E EE 55 8E EF 55 20
XX55AA: C8 51 AC 10 03 AE EE 55 20 69
XX55B4: 52 AC 10 03 AE EF 55 20 36 51
XX55BE: EE EE 55 EE EE 55 EE EF 55 AC
XX55C8: EF 55 C0 28 F0 03 4C AC 55 20
XX55D2: 1C 52 AD 0F 03 48 20 C8 51 A2
XX55DC: 28 AC 10 03 8E 0F 03 20 5C 51
XX55E6: 68 8D 0F 03 20 1C 52 60 00 00
XX55F0: A2 27 8E EE 55 A0 4E 8C EF 55
XX55FA: AE EE 55 AC 10 03 20 69 52 AE
XX5604: EF 55 AC 10 03 20 36 51 CE EF
XX560E: 55 AC 10 03 AE EF 55 AD 08 03
XX5618: 49 80 20 36 51 CE EF 55 CE EE
```

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XX5622: 55 AC EE 55 F0 03 4C FA 55 60
XX562C: AD
XX3D0G
XXBSAVE DCOM.SCREEN.IIE,A$5000,L1580
XXTEXT:HOME:?"DONE. TYPE 'EXEC TO.APPLE.3' TO GO ON.":?:?
SHAR_EOF
if test 20774 -ne "`wc -c < 'to.apple.2'`"
then
     echo shar: error transmitting "'to.apple.2'" '(should have been 20774
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'to.apple.3'" '(9024 characters)'
if test -f 'to.apple.3'
then
     echo shar: will not over-write existing file "'to.apple.3'"
else
sed 's/^XX//' << \SHAR_EOF > 'to.apple.3'
XXTEXT:HOME
XXNEW
XX
XX1 LC = 0
XX10 D$ =  CHR$ (4): TEXT : HOME : INVERSE
XX20  PRINT  SPC( 40);: FOR I = 1 TO 16: INVERSE : PRINT " ";
XX30  NORMAL : PRINT  SPC( 38);: INVERSE : PRINT " ";: NEXT I
XX40  INVERSE : PRINT  SPC( 40);: NORMAL : VTAB 3
XX45 A$ = "THANK YOU FOR USING DCOM 3.21.": GOSUB 960
XX50  PRINT
XX52 A$ = "THIS IS A SHAREWARE PROGRAM.  PLEASE": GOSUB 960
XX54 A$ = "FEEL FREE TO DISTRIBUTE THIS PROGRAM": GOSUB 960
XX56 A$ = "TO YOUR FRIENDS.": GOSUB 960
XX58  PRINT :A$ = "PLEASE NOTE, HOWEVER, THAT THIS": GOSUB 960
XX60 A$ = "PROGRAM TOOK OVER 1.5 YEARS OF": GOSUB 960
XX62 A$ = "PAINFUL RESEARCH AND PROGRAMMING.": GOSUB 960
XX63  PRINT :A$ = "YOU HAVE 30 DAYS TO TEST DCOM 3.21.": GOSUB 960
XX65 A$ = "IF IT FITS YOUR NEEDS AND YOU WOULD": GOSUB 960
XX67 A$ = "LIKE TO KEEP IT, AS WELL AS": GOSUB 960
XX68 A$ = "RECEIVE UPDATE NOTICES, AND TYPESET": GOSUB 960
XX70 A$ = "COPYRIGHT(C) 1986 JAMES A. HAYES": VTAB 23
XX71  GOSUB 960: VTAB 21: PRINT "PLEASE HIT ";
XX72  INVERSE : PRINT "<RETURN>";: NORMAL
XX73  PRINT " FOR THE NEXT PAGE."
XX74  WAIT  - 16384,128: POKE  - 16368,0
XX76  POKE 33,38: POKE 32,1: POKE 34,1: POKE 35,17: HOME
XX77  TEXT : VTAB 21: PRINT  SPC( 40);: VTAB 3: HTAB 1
XX79 A$ = "DOCUMENTATION, PLEASE SEND $25 TO": GOSUB 960
XX80 A$ = "THE ADDRESS BELOW.": GOSUB 960
XX85  PRINT
XX92 A$ = "PROGRAM DISK, DOCUMENTATION, AND": GOSUB 960
XX93 A$ = "FREE UPDATE NOTICES, ALSO COST $25.": GOSUB 960
XX95  PRINT
XX96 A$ = "ADD AN ADDITONAL $10 FOR THE": GOSUB 960
XX98 A$ = "6502 ASSEMBLY LANGUAGE SOURCE": GOSUB 960
```

```
XX99 A$ = "CODE. (WILL ARRIVE ON DISKETTE)": GOSUB 960
XX101  PRINT
XX102 A$ = "MAIL CHECK OR MONEY ORDER TO:": GOSUB 960
XX103  PRINT
XX104 A$ = "JIM HAYES, P.O. BOX 221044": GOSUB 960
XX105 A$ = "UNIVERSITY CITY, CA,  92122-1044": GOSUB 960
XX106  PRINT : INVERSE
XX110 A$ = "OFFER EXPIRES JANUARY 1990": GOSUB 960
XX111  NORMAL
XX200  FOR I = 1 TO 1000: NEXT I: VTAB 20
XX210  POKE 34,19: POKE 35,22: HOME
XX220  PRINT "HIT ";: INVERSE : PRINT "<RETURN>";: NORMAL
XX230  PRINT " TO START THE TERMINAL,": PRINT "OR ";: INVERSE
XX240  PRINT "<ESC>";: NORMAL
XX250  PRINT " TO CONFIGURE FOR YOUR HARDWARE.";
XX260  WAIT  - 16384,128
XX270  GET A$: IF A$ =  CHR$ (13) THEN 300
XX280  IF A$ <  >  CHR$ (27) THEN 270
XX290  HOME : GOTO 940
XX300  HOME : FOR I = 1 TO 500: NEXT I
XX305  IF LC <  > 695 THEN  PRINT "SHAREWARE MESSAGED MODIFIED.": END
XX310  PRINT "LOOKING FOR TERMINAL CONFIGURATION FILE."
XX320  ONERR  GOTO 900
XX330  PRINT D$"OPEN CONFIG.TERM"
XX340  PRINT D$"READ CONFIG.TERM"
XX350  FOR I = 1 TO 6: INPUT F$(I): INPUT DE$(I)
XX360  NEXT I
XX370  INPUT SL
XX380  PRINT D$"CLOSE"
XX390  POKE 216,0
XX400  POKE 34,0: HOME
XX410  PRINT "DCOM 3.21 IS NOW LOADING THE TERMINAL"
XX420  PRINT "SOFTWARE.  ONE MOMENT PLEASE.": PRINT
XX430  INVERSE
XX440  VTAB 4: PRINT "                  DRIVERS               "
XX450  VTAB 13: PRINT "                 DEFAULTS               "
XX460  VTAB 21: INVERSE : PRINT  SPC( 40)
XX470  NORMAL
XX480  NORMAL : FOR I = 1 TO 6
XX490  VTAB 5 + I: HTAB 1: PRINT DE$(I): NEXT I: VTAB 15
XX500  PRINT "VIDEO DEFAULTS": PRINT "SERIAL CARD DEFAULTS"
XX510  FOR I = 1 TO 6
XX520  VTAB 5 + I: HTAB 1: INVERSE : PRINT DE$(I)
XX530  NORMAL
XX540  VTAB 20: PRINT
XX550  PRINT D$"BLOAD ",F$(I)
XX560  VTAB 5 + I: HTAB 1: PRINT DE$(I)
XX570  NEXT I
XX580  VTAB 15: INVERSE : PRINT "VIDEO DEFAULTS": NORMAL
XX590  PRINT : PRINT D$"BLOAD DCOM.MAIN.D"
XX600  VTAB 15: PRINT "VIDEO DEFAULTS"
XX610  VTAB 16: INVERSE : PRINT "SERIAL CARD DEFAULTS": NORMAL
XX620  PRINT : PRINT D$"BLOAD "F$(5)".D"
```

```
XX630  VTAB 16: PRINT "SERIAL CARD DEFAULTS"
XX640  POKE 794,SL
XX650  HOME
XX660  INVERSE : PRINT " THE TERMINAL HAS FINISHED LOADING.      ";
XX670  PRINT "PLEASE SWITCH TO YOUR OUTPUT DEVICE.   ": NORMAL
XX680  PRINT
XX690  IF F$(4) <  > "DCOM.SCREEN.IIE" GOTO 730
XX700  TEXT : HOME : PR# 0
XX710  IN# 0: PR# 3: HOME : CALL 1002
XX720  PRINT "* Serial Init Error *"
XX730  CALL 8192
XX740  POKE  - 16372,128
XX750  TEXT : HOME : PR# 0: IN# 0: TEXT : HOME : CALL 1002
XX760  IF  PEEK (767) <  > 255 THEN  END
XX770  VTAB 8: PRINT "STORING TERMINAL DEFUALTS..."
XX780  VTAB 10: HTAB 1
XX790  PRINT "POWER-ON VIDEO CHARACTERISTICS..."
XX800  PRINT  CHR$ (4)"BSAVE DCOM.MAIN.D,A$300,L$A0"
XX810  VTAB 10: HTAB 1
XX820  PRINT "POWER-ON VIDEO CHARACTERISTICS...DONE"
XX830  VTAB 11: HTAB 1
XX840  PRINT "SERIAL CARD SETTINGS..."
XX850  PRINT  CHR$ (4)"BSAVE "F$(5)".D,A$4012,L13"
XX860  VTAB 11: HTAB 1
XX870  PRINT "SERIAL CARD SETTINGS...DONE"
XX880  PRINT : PRINT : PRINT : PRINT "DCOM ENDED NORMALLY"
XX890  END
XX900  POKE 216,0
XX905  TEXT : HOME
XX910  HOME : PRINT "YOUR TERMINAL HAS NOT BEEN CONFIGURED."
XX920  PRINT : PRINT : PRINT "HIT RETURN TO CONFIGURE THE TERMINAL..";
XX930  INPUT "";A$
XX940  PRINT "RUNNING: 'CONFIGURE TERMINAL'"
XX950  PRINT D$"RUN CONFIGURE TERMINAL"
XX960 LC = LC +  LEN (A$)
XX980  HTAB 21 - ( LEN (A$) / 2): PRINT A$
XX990  RETURN
XXSAVE HELLO
XXNEW
XX
XX10 D$ =  CHR$ (4):CF$ = "CONFIG.TERM"
XX20  TEXT : HOME
XX30  PRINT "DCOM 3.21 TERMINAL CONFIGURATION MENU:"
XX40  PRINT : POKE 34,3
XX50  PRINT "----------------------------------------"
XX60  HOME
XX70  PRINT : PRINT
XX80 NO = 1
XX90  REM  LOOP BEGINS HERE
XX100  READ A$
XX110  IF A$ = "**" THEN 400
XX120  POKE 34,3: HOME : PRINT "WHAT "A$" DO YOU HAVE?"
XX130  PRINT :I = 1
```

```
XX140  READ N$,F$(I),DE$(I): IF N$ = "*" THEN 190
XX150 N$(I) = N$
XX160  PRINT I") "N$(I)
XX170 I = I + 1
XX180  GOTO 140
XX190  POKE 34,17: HOME
XX200 I = I - 1
XX210  PRINT : PRINT "ENTER THE NUMBER OF YOU CHOICE, OR 'Q'  TO EXIT."
XX220  PRINT
XX230  INPUT "-> ";B$
XX240  IF B$ = "Q" THEN  TEXT : HOME : END
XX250 A =  VAL (B$): IF A < 1 OR A > I THEN  PRINT  CHR$ (7): GOTO 210
XX260 FF$(NO) = F$(A)
XX270 DD$(NO) = DE$(A)
XX280 NO = NO + 1
XX290  IF  LEFT$ (A$,3) <  > "SER" THEN 390
XX300  IF  LEFT$ (N$(A),3) = "//C" THEN SL = 2: GOTO 390
XX310  PRINT : PRINT "WHAT SLOT IS YOUR SERIAL CARD IN?"
XX320  INPUT "[USUALLY 2] >";SL$:ER = 0:SL =  VAL (SL$)
XX330  IF SL < 1 OR SL = 3 OR SL = 6 THEN ER = 1
XX340  IF SL > 7 OR SL <  >  INT (SL) THEN ER = 1
XX350  IF ER THEN  PRINT "THAT'S IMPOSSIBLE!?!  SLOTS 0, 3 AND 6"
XX360  IF ER THEN  PRINT "ARE DIDICATED TO MEMORY, 80 COLS., AND"
XX370  IF ER THEN  PRINT "YOUR DISK CONTROLLER. PLEASE TRY AGAIN."
XX380  IF ER THEN 310
XX390  GOTO 90
XX400  POKE 34,3: HOME
XX410 NO = NO - 1
XX420  PRINT "I HAVE:": PRINT
XX430  FOR I = 1 TO NO
XX440  PRINT I") ";DD$(I);
XX450  IF I = 2 THEN  PRINT " (SLOT "SL")";
XX460  PRINT
XX470  NEXT I
XX480  POKE 34,17
XX490  HOME
XX500  PRINT "S) SAVE": PRINT "A) ABORT AND START OVER."
XX510  PRINT :
XX520  INPUT "-> ";A$
XX530  IF A$ = "S" THEN 560
XX540  IF A$ = "A" THEN  RUN
XX550  PRINT : GOTO 500
XX560  TEXT : HOME
XX570  PRINT "SAVING DRIVER SETTINGS."
XX580  PRINT D$"OPEN "CF$
XX590  PRINT D$"DELETE "CF$
XX600  PRINT D$"OPEN "CF$
XX610  PRINT D$"WRITE "CF$
XX620  PRINT "DCOM.MAIN"
XX630  PRINT "TERMINAL MAIN CODE"
XX640  PRINT "DCOM.CONTROL"
XX650  PRINT "TERMINAL CONTROL PANEL"
XX660  PRINT "DCOM.KEYBOARD.IIE"
```

```
XX670  PRINT "TERMINAL KEYBOARD DRIVER"
XX680  FOR I = 1 TO NO
XX690  PRINT FF$(I): PRINT DD$(I): NEXT I
XX700  PRINT SL
XX710  PRINT D$"CLOSE"
XX720  HOME : PRINT "DONE. HIT ";: INVERSE : PRINT "RETURN";
XX730  NORMAL : PRINT " IF YOU WOULD LIKE TO"
XX740  PRINT : PRINT "FIRE-UP THE TERMINAL, -OR- TYPE ";
XX750  INVERSE : PRINT "ESC";: NORMAL : PRINT " TO"
XX760  PRINT : PRINT "EXIT. ";
XX770  GET A$: IF A$ =  CHR$ (27) THEN  HOME : END
XX780  IF A$ <  >  CHR$ (13) THEN 770
XX790  HOME
XX800  PRINT : PRINT "RUNNING 'HELLO'": PRINT D$"RUN HELLO"
XX810  END
XX820  END
XX830  DATA 80 COLUMN CARD
XX840  DATA OMNI-VISION (SLOT 2),DCOM.SCREEN.DVISION
XX850  DATA 'COMPUTER STOP' OMNI-VISION DRIVER
XX860  DATA DOUBLE-VISION (SLOT 3),DCOM.SCREEN.DVISION
XX870  DATA 'COMPUTER STOP' DOUBLE-VISION DRIVER
XX880  DATA APPLE //E IN AUX SLOT,DCOM.SCREEN.IIE
XX890  DATA APPLE (AUX SLOT) 80 COLUMN DRIVER
XX900  DATA APPLE //C BUILT-IN 80 COLUMN CARD,DCOM.SCREEN.IIE
XX910  DATA APPLE //C 80 COLUMN DRIVER
XX920  DATA *,XX,XX
XX930  DATA SERIAL CARD
XX940  DATA SUPER SERIAL CARD,DCOM.MODEM.SSC
XX950  DATA SUPER SERIAL CARD DRIVER
XX960  DATA ALS DISPATCHER,DCOM.MODEM.ALSDIS
XX970  DATA ALS DISPATCHER DRIVER
XX980  DATA //C SERIAL PORT,DCOM.MODEM.SSC
XX990  DATA APPLE //C MODEM PORT DRIVER
XX1000  DATA GENERIC PASCAL COMPATIBLE,DCOM.MODEM.PASCAL
XX1010  DATA GENERIC P-SYS SERIAL DRIVER
XX1020  DATA CPS MULTIFUNCTION CARD,DCOM.MODEM.CPS
XX1030  DATA CPS MULTIFUNCTION DRIVER
XX1035  DATA  SSM-AIO-II SERIAL CARD
XX1036  DATA  DCOM.MODEM.PASCAL
XX1037  DATA  SSM-AIO-II SERIAL DRIVER
XX1040  DATA *,XX,XX
XX1050  DATA DATA COMM. HARDWARE
XX1060  DATA HAYES COMPAT. MODEM (TONE DIALING)
XX1070  DATA DCOM.PERSONALITY.HAYES
XX1080  DATA HAYES (OR COMPAT.) TONE DIALER
XX1090  DATA HAYES COMPAT. MODEM (PULSE DIALING),DCOM.PERSONALITY.PHAYES
XX1100  DATA HAYES (OR COMPAT.) PULSE DIALER
XX1110  DATA DUMB (NON HAYES COMPAT.) MODEM
XX1120  DATA DCOM.PERSONALITY.DUMB
XX1130  DATA NON DIALING MODEM DRIVER
XX1140  DATA NO MODEM (HOOKED DIRECTLY TO SYSTEM)
XX1150  DATA DCOM.PERSONALITY.NETWORK
XX1160  DATA DIRECT NETWORK CONNECTION DRIVER
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XX1170  DATA UNGERMANN/BASS NETONE DIRECT CONNECT
XX1180  DATA DCOM.PERSONALITY.NETONE
XX1190  DATA U/B NET-ONE BROADBAND NETWORK DRIVER
XX1200  DATA *,XX,XX
XX1210  DATA **
XX1220  DATA **
XXSAVE CONFIGURE TERMINAL
XXTEXT
XXHOME:PRINT"DONE. RE-BOOT TO START THE TERMINAL."
SHAR_EOF
if test 9024 -ne "`wc -c < 'to.apple.3'`"
then
     echo shar: error transmitting "'to.apple.3'" '(should have been 9024
characters)'
fi
fi # end of overwriting check
#    End of shell archive
exit 0


From -8989084650913629808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d484d0c92adc53d5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-14 02:44:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: vt100 emulator (Part 3 of 3) (Hardware docs.)
Message-ID: <2528@sdcc6.UUCP>
Date: Mon, 14-Apr-86 05:44:43 EST
Article-I.D.: sdcc6.2528
Posted: Mon Apr 14 05:44:43 1986
Date-Received: Thu, 17-Apr-86 04:22:21 EST
Organization: UC San Diego EE/CS Department.
Lines: 1215
Keywords: vt100 emulator Apple

This is the "write-your-own-driver" documentation portion.

Have fun.

-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT-----
#! /bin/sh
# This is a shell archive, meaning:
# 1. Remove everything above the #! /bin/sh line.
# 2. Save the resulting text in a file.
# 3. Execute the file with /bin/sh (not csh) to create the files:
#    driver.notes
# This archive created: Mon Apr 14 01:10:59 1986
# By:     James Hayes (UC San Diego EE/CS Department.)
```

```
export PATH; PATH=/bin:$PATH
echo shar: extracting "'driver.notes'" '(38017 characters)'
if test -f 'driver.notes'
then
     echo shar: will not over-write existing file "'driver.notes'"
else
sed 's/^XX//' << \SHAR_EOF > 'driver.notes'
XX
XX
XX          Terminal Program Applications Notes
XX
XX
XX
XX          This document covers writing your own hardware drivers to work
XX          with the DCOM 3.21 vt100 emulator.
XX
XX          Overview:
XX
XX               The vt100 emulator is broken up into several modules:
XX
XX               The standard (non hardware specific) modules:
XX               1) The main terminal driver. (It uses all drivers)
XX               2) The keyboard driver (Maps what you type to what gets
XX                                       sent.)
XX               3) The control panel (The "set up", dailing, and modem
XX                  menus)
XX
XX               The non-standard (hardware specific) modules:
XX               1) The video driver
XX               2) The serial card driver
XX               3) The modem personality (Defines dialing and on/off hook
XX                                        characteristics.)
XX
XX
XX          Each driver is allocated a segment of memory, and all the driver
XX          functions are handled through standardized entry points.
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XX MEANS, call $2006 (STUFFBUF) every few milliseconds.
XX
XX $2009 - This call simulates the input of a character from the
XX modem. (This might be used to "play-back" a terminal
XX session stored on disk.) It is presently used to output
XX characters to the screen from the control panel.
XX
XX $200C - This call clears the incomming character queue. This is
XX used in the phone dialing routines, so the dialing
XX commands aren't echoed back.
XX
XX Unless there are glaring bugs in the main driver, the source for
XX the main driver should never have to be touched. (I know someone
XX out there will make me eat my words. I just know it...)
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XX Terminal Program Applications Notes
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XX Global variables used by the main program and all drivers:
XX
XX $2FF - This is the return flag. When you type @ from the
XX set up menu, this flag gets set (to tell the main
XX program that you want to exit) to $F0. If before
XX you exited, you selected S, then the flag would by $FF
XX indicating that you want to save all the defaults when
XX you exit.
XX
XX $300 - Development flag. This is used during the course of
XX debugging the program. Please do not use this for
XX anything but testing purposes. I guess you can call it
XX reserved. That has a nice ring to it... "reserved"
XX

XX $301 - MODEINS. This is the "insert character" mode flag.
XX Real life vt100's have no clue as how to insert
XX characters, so I gave my program the abaility to do
XX so using standard ANSI (American National Standards
XX institute) codes. Therefore, this emulator can also
XX look like a vt125, vt220, and practically anything made
XX by microterm and other companies.
XX
XX The insert mode is "on" when the high-bit is set.
XX
XX $302 - MODESCRL. This flag determines whether or not the
XX emulator will scroll when a cursor movement (e.g. up,
XX down, left, right) is going to go off the screen. Real
XX vt100's don't have this flag, but it was included as
XX part of the added ANSI control sequences mentioned
XX above.
XX
XX The screen will scroll on cursor movements when the
XX high bit is set.
XX
XX $303 - MODELFNL. MODE LineFeed->NewLine. When the high bit of
XX this puppy is set, any linefeeds received will
XX automatically be converted to "New line"s (CR+LF)
XX sequences.
XX
XX $304 - MODECRNL. MODE Carriage Return->NewLine. When the high
XX bit of this is set, any carriage returns that are
XX received are mapped to "New line" (CR+LF) sequences.
XX
XX $305 - MODEWRAP. Wraparound mode. A high bit here indicates
XX that incomming chartacters will not be truncated once
XX they bang into the right edge of the screen. (I.E. any
XX line longer than 80 columns will be wrapped.)
XX
XX $306 - MODEKEY. This mode determines whether your apple will
XX let you know (via a click) everytime you type a key.
XX
XX If the high bit is set, it will do so.
XX
XX $307 - MODEECHO. When the high bit is set, anything typed will
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XX
XX Terminal Program Applications Notes
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XX be echoed to the screen (except escape sequences).

```
XX
XX          $308   - MODEBACK.  This is really misnamed.  It contains the
XX                   current background clear character.  $20 for normal
XX                   screen, and $A0 for reversed image screen.
XX
XX          $309   - MODEDBL. High bit indicates that the emulator is in the
XX                   "double wide" mode on the current line.  When this
XX                   happens, Each character takes up two character
XX                   positions, (the character + space).  The line is
XX                   effectively 40 columns wide, and subsequent cursor
XX                   positions will reflect a 40 column line.
XX
XX          $30A   - MODETOP.  When in the double wide mode is set, there
XX                   is another thing to worry about.. The double wide,
XX                   double high mode.   This flag takes care of that.  When
XX                   the high bit is not set, all is normal.  BUT WHEN IT IS
XX                   SET, it means that the emulator wants to display the
XX                   lower portions of the letters.  Since no Apple 80 column
XX                   card today has the capability of double high letters
XX                   mixed in with regular text, the lower portions of the
XX                   letters are just converted to "--"  which adds a nice
XX                   accenting touch to the letters.
XX
XX          $30B   - MODECHR.  This flag determines what character set the
XX                   emulator is using.  If the highbit is set, the emulator
XX                   will use the substitute line drawing character set, if
XX                   the 80 column card can handle it.
XX
XX          $30C   - MODEINV.  As ususal "This flag bs bs bs bs" It controls
XX                   the status of the character output.  If the high bit is
XX                   set, the screen driver will output inverted characters.
XX                   BE CAREFUL TO NOTE THAT THE BACKGROUND CHOICE (MODEBACK)
XX                   INVERTS THE ABOVE STATEMENT.
XX
XX          $30D   - MODEVT52. When this flag is set, the terminal will only
XX                   respond to vt52 command strings.
XX
XX          $30E   - XOFF. When the high-bit of this flag is set, it means
XX                   that the buffer is near full, and an X-OFF was sent.
XX                   (When the buffer depletes, an X-ON will be sent.)
XX
XX          $30F   - CX.  This is the current cursor position as known to all
XX                   the routines.  This is the formost authority of the X
XX                   coordinate of the cursor.  (0-79)
XX
XX          $310   - CY.  This is the current cursor position as known to all
XX                   the routines.  This is the formost authority of the Y
XX                   coordinate of the cursor. (0-23)
XX
XX          $311   - BLINK. This is the current cursor blink rate. 0=no
XX                   blink, while 1 is fast and 9 is slow.
XX
XX          $312   - SCRLTOP.  This number represents the top of the current
```

XX scrolling region. (0-23). The scrolling region is
XX the active text region. Usually it starts on line 0
XX and extends to line 23. Some programs however, like to
XX use a smaller scrolling window, while using the rest
XX of the screen for other data. Any data written to the
XX screen will only appear in the scrolling region, so it
XX will not affect the rest of the display.
XX
XX $313 - SCRLBOT. This is the bottom line of the scrolling
XX region. (0-23) See above.
XX
XX $314 - MODEKAM. KAM is the ANSI term for Keyboard
XX Applications Mode. When this mode is set (via the
XX high bit) different vt100 keypad codes will be used
XX instead of the standard codes that are normally used.
XX (See real vt100 manual)
XX
XX $315 - MODECURS. This is used (why I don't know) to indicate
XX that an alternate set of codes should be used when the
XX arrow keys are hit. As usual, a high bit inticates that
XX these alternate codes should be used. Please see a real
XX vt100 manual for more information.
XX
XX $316 - G0MODE. This selects the character set used for the g0
XX character set. The high bit indicates the graphic
XX character set.
XX
XX $317 - G1MODE. This selects the character set used for the g1
XX character set. The high bit indicates the graphic
XX character set.
XX
XX $318 - MODEORIG. This is the ANSI related flag that tell the
XX terminal that cursor positioning should be done with
XX respect to the scrolling region's home position instead
XX of the display's home position.
XX
XX $319 - GOG1TOg. G-Oh-G-1. High bit here indicates that the
XX alternate character set (inverse or graphic) should be
XX used. (See MODECHR and MODEINV for the specific set
XX that we're looking for...)
XX

```
XX          $31A   - MSLOT.  This contains the current slot of the serial
XX                   card. (1-7), except 3 and 6
XX
XX          $31B   - Unused.
XX
XX          $31C   - MODE.   This is the state of the current command
XX                   sequence parser.  0=No escape sequence in progress.
XX                                     1=Escape sequence started.
XX                                     2=wait for next. If "[" set mode 3,
XX                                       otherwise, interpret single letter
XX                                       escape code.
XX                                     3=<ESC> [ received, collect parameters
XX                                        and act on command wishes.
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XX
XX          Terminal Program Applications Notes
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XX
XX                                     4=Transparency mode, ANSI CRM.
XX                                       Control Representation Mode. All
XX                                       characters are sent to screen and
XX                                       no escape codes are interpreted.
XX                                       Must be reset via the R option on
XX                                       the setup menu.
XX                                     5=vt52 escap sequence started, this
XX                                       current character will end the
XX                                       code sequence.
XX                                     6=vt52 cursor positioning sequence
XX                                       is on it's way.  read two characters
XX                                       in this mode and position the
XX                                       cursor.
XX
XX          $31D   - BAUD.  Current serial card Baud Rate. 0=300
XX                   1=1200, 2=2400
XX
XX          $31E   - PARITY.  Current serial card Pariry method.
XX                   7=None, 8=Even, 9=Odd, 10=Mark, 11=Space
XX
XX          $31F   - STOP.  Current serial card stop bits setting.
XX                   3=8 bits, 1 stop   4=8 bits, 2 stop
XX                   5=7 bits, 1 stop   6=7 bits, 2 stop
XX
XX          $320   - TABTABL. Starting at $320 and extending 79 bytes, is the
XX                   image of the terminal's tabstops. 320=column 0.  A high
XX                   bit indicates a tab is set there.
XX
```

```
XX          $380   - LNMODES. Starting at $380 and extending 23 bytes, is the
XX                   image of the terminal's "line modes" Bit 7=1 when Double
XX                   wide is selected for that particular line, Bit 6=1 when
XX                   the line refers to the bottom half of the double wide
XX                   characters.
XX
XX          $8100  - This 255 byte area holds a copy of the terminals
XX          -$8200   defaults when the screen is saved.
XX
XX          $8200  - Holds a copy of the terminal parameters when the save
XX          -$83FF   cursor mode is selected.
XX
XX          $8400 -  Holds a memory image of the saved screen.  You have
XX          -$9400   roughly 4K to play with here. Use it wisely.
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XX          Terminal Program Applications Notes
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XX          DCOM.MODEM.xxxx:
XX
XX          The DCOM modem driver lives at $4000 and is alloted 2048 bytes.
XX          DON'T Panic.  The modem driver usually takes about 200 bytes.
XX
XX          The established calling conventions:
XX
XX          $4000 - Initialize the serial card/modem here.
XX                  This should do the following:
XX                  Reset the page 3 values of MODE, BAUD, and PARITY from
XX                     the default table DCOM.MODEM.xxxx.D.
XX                  Reset the AICA port on the card/modem.
XX                  Hang up the phone (in cases when this is not
XX                                     a serial card but something like a
XX                                     Apple-Cat or Micro-Modem)
```

XX
XX $4003 - Sense the status of the serial card. It returns the
XX carry set if something is waiting to be read in.
XX
XX $4006 - Get a character from the modem. (Use the above to make
XX sure one is waiting. (The character will be put into
XX the 6502 ACCUMULATOR)
XX
XX $4009 - Output a character on the modem. The character must be
XX in the accumulator. No stripping of high bits is
XX performed here.
XX
XX $400C - Change the transmission characteristics. The
XX characteristic is in the accumulator:
XX
XX 0 = 300 Baud 3 = 8 data, 1 stop
XX 1 = 1200 Baud 4 = 8 data, 2 stop
XX 2 = 2400 Baud 5 = 7 data, 1 stop
XX 6 = 7 data, 2 stop
XX
XX 7 = No parity
XX 8 = Even parity
XX 9 = Odd parity
XX A = Mark parity
XX B = Space parity
XX
XX
XX $400F - Send a break "character"
XX
XX $4012 - Compatibility table; If a member of the table is $FF,
XX then the equipment is capable of "doing it". The meaning of each
XX entry coresponds to the above transmission characteristics. If
XX an entry is $F0, then then this is the default mode for the card.
XX If the member is $00 then the hardware is incapable of inheriting
XX that characteristic. There is one capability in the table that is
XX not listed above, index $C which is the break signal. The
XX default table is the responsibility of the user to set. The
XX modem's default parameter list is 13 bytes long and is overlayed
XX at $4012. works. All in all, it should not be difficult to write
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XX Terminal Program Applications Notes
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XX
XX your own driver for your serial card. Please see also, the
XX dialing personality module in upcoming pages.

XX
XX NOTES:
XX
XX Remember that the defaults are overlayed starting at $4012
XX for 13 bytes. Please choose the defaults carefully. Failure to
XX understand that particular portion of the code and what it does
XX and how it works can lead to months and months of dispair.
XX
XX Enough Warnings!
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XX
XX   Terminal Program Applications Notes
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XX
XX   DCOM.SCREEN.xxxx:
XX
XX   The screen driver lives at $5000 and is alloted 2048 bytes to do
XX   it's work. The kernel jumps are:
XX
XX $5000 - Initialize the screen. This should initialize any display
XX   INIT-   hardware, soft-switches, etc. It should in no way clear
XX   SCRN   the screen.
XX
XX $5003 - Zap the screen clean! Does not reset the cursor to the
XX   ZAP   home position.
XX
XX $5006 - Clear the line number contained in the Y reg.
XX   CLRLINE
XX
XX $5009 - Move the line in the x-reg to the line in the y-reg.
XX   MOVELINE
XX
XX $500C - Store the contents of the accumulator to the screen
XX   STORE- location (x-reg,y-reg) This routine should not care what
XX   XY   it gets fed. It should just deposit anything.
XX
XX $500F - Clear from the current cursor postion to the end of the
XX   CLEAR- line.
XX   EOL
XX
XX $5012 - Clear from the current cursor to the end of the screen.
XX   CLEAR-
XX   EOS
XX
XX $5015 - Scroll the screen up. (With respect to the scrolling
XX   SCROLL- window.
XX   UP
XX
XX $5018 - Scroll the screen down. (With respect to the scrolling
XX   SCROLL- region.
XX   DO
XX
XX $501B - HIDE the cursor from sight. This call is VITAL to the
XX   HCP   health and well being of the terminal program. Follow
XX   this rule of thumb: BEFORE YOU DO ANYTHING TO THE
XX   SCREEN, REMOVE THE CURSOR, MUCK WITH THE SCREEN, AND PUT

XX THE CURSOR BACK. This routine saves what ever was under
XX the cursor in order to put it back. See SHOW routine
XX below.
XX
XX $501E - Cycle the cursor blink counter through one cycle. If
XX CCHECK counter reaches it's blink threshold, ("BLINK" times
XX $100) then invert the cursor. This is done to get the
XX damn thing to blink.
XX
XX $5021 - SHOW the cursor (After a remove) Opposite of $501B
XX SCP
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XX Terminal Program Applications Notes
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XX
XX $5024 - Pickup the character from (x-reg,y-reg) and stuff it into
XX PICKUP the accumulator. The screen remains unblemished.
XX
XX $5027 - Output the accumulator to the screen at the current
XX CHOUT cursor location. Scroll if necessary, display as inverse
XX if necessary, use doulbe wide double high modes. etc.
XX
XX $502A - Insert a line at the present cursor position and return
XX INSERT- the cursor to the left edge.
XX LN
XX
XX $502D - Delete a line at the present cursor position and return
XX DELETE- the cursor to the left edge.
XX LN
XX
XX $5030 - Clear from the beginning of the line to the cursor.
XX CLEAR- (Inclusive)
XX BLC
XX
XX $5033 - Clear from the home (0,0) position to the cursor.
XX CLEAR- (Inclusive)
XX HC
XX
XX $5036 - Delete the character under the cursor and move the
XX DELT- rest of the line over one position. (Clears the last
XX CHAR column on that line.)
XX
XX $5039 - Insert a blank under the cursor and move the rest of
XX INST- the line over one position.

```
XX          CHAR
XX
XX          $503C - Fill the screen with E's, (Video Alignment Pattern.)
XX          FILLE   (invoked by <ESC>#8)
XX
XX          $503F - INVERT the whole screen.  For example, white on black
XX          FIX-    becomes black on white and vice versa.
XX          SCRN
XX
XX          $5042 - Do a carriage return and a line feed.
XX          DOCR
XX
XX          $5045 - Do a line feed.
XX          DOLF
XX
XX          $5048 - Save the screen in memory. $8400-$9400 is reserved for
XX          SAVE-   this.  This also saves the video defaults so we can come
XX          SCRN    back without damaging anything.
XX
XX          $504B - Restore the screen from the memory save to by the above
XX          REST-   routine.  Also restore any video flags that might have
XX          SCRN    been altered.
XX
XX          $504E - Reset the line (make single width from double width)
XX          $5051 - Make Double (make double width from single width)
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XX
XX          Terminal Program Applications Notes
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XX
XX          NOTES FOR WRITING A SCREEN DRIVER:
XX
XX          You DO NOT have to rewrite all the above routines! YEA!  There
XX          are only a few that need to be adapted to your own hardware.
XX
XX          They are:
XX
XX          INITSCRN  (for obvious reasons)
XX          CLRLINE
XX          MOVELINE  (allows for scrolling)
XX          STOREXY   (to put characters on the screen.)
XX          PICKUP    (to get the character under the cursor)
XX          FIXSCRN   (to invert the screen.)
XX          SAVESCRN  (save the screen to memory)
XX          RESTSCRN  (..and bring it back.)
XX
```

XX	You see, all the other routines can use combinations of the above
XX	"CORE" routines. Even some of the core routines can use other
XX	core routines. For example: SAVESCRN can use PICKUP. It will be
XX	slow, but it will work. FIXSCRN can also use PICKUP. Again, it
XX	will be slower, but it will work. Restscrn can use STOREXY. As
XX	usual, it will be slower. MOVELINE can use PICKUP and STOREXY to
XX	do it's work. (THIS IS ONLY RECOMMENDED FOR TESTING PURPOSES. IT
XX	IS A DANGER TO SPEED CONCERNS TO LEAVE IT THAT WAY.)
XX
XX	So you see, only a few routines need to be written.
XX
XX	Since speed is so critical, the routines should never assume
XX	that the calling routine wants registers returned intact. So,
XX	don't keep pushing and popping stuff on and off the stack. That
XX	REALLY slows things down.
XX
XX	During a scroll and "looping" routines, poll the "STUFFBUF"
XX	routine so characters coming into the computer get read and are
XX	not thrown away. I.E., after every CLRLINE, MOVELINE, etc. This
XX	will insure that characters will not be "dropped" because the
XX	program is not reading them fast enough.
XX
XX	That about exhausts the Video Driver section...
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XX	Terminal Program applications notes:
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XX	DCOM.KEYBOARD.xxxx
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XX
XX	The Keyboard Interpreter lives at $6000 and is allotted a meager

XX 1024 byte spread in the memory map. This is true. (It's really a
XX small piece of code!)
XX
XX Anyway it does the following:
XX
XX $6000 - Interpret keyboard character in the accumulator and send.
XX This will intercept open/closed apple commands and
XX interpret them.
XX
XX $6003- This is the Key Table. This is a table of the ASCII
XX $6033 representation of the special keys we want to redifine
XX as vt100 keypad/function keys. For example: Q and q are
XX defined to be the PF1 key... So Q and q would appear in
XX this table as special characters that are to be
XX intercepted when the open/close apple key is struk. How
XX do we translate them? NEXT....
XX
XX $6034- Key Dispatch Table. Here the key's special purpose is
XX $6064 defined. The order in which the one byte definition
XX appears is the same order that the one byte key code
XX appears in the above Key Table.
XX
XX The one byte codes that are used are:
XX
XX 1 - vt100 UP arrow 9 - vt100 keypad 7
XX 2 - vt100 DOWN arrow 10 - vt100 keypad 8
XX 3 - vt100 RIGHT arrow 11 - vt100 keypad 9
XX 4 - vt100 LEFT arrow 12 - vt100 keypad -
XX 5 - vt100 Pf1 13 - vt100 keypad 4
XX 6 - vt100 Pf2 14 - vt100 keypad 5
XX 7 - vt100 Pf3 15 - vt100 keypad 6
XX 8 - vt100 Pf4 16 - vt100 keypad ,
XX
XX
XX 17 - vt100 keypad 1
XX 18 - vt100 keypad 2
XX 19 - vt100 keypad 3
XX 20 - vt100 keypad <ENTER>
XX 21 - vt100 keypad 0
XX 22 - vt100 keypad .
XX 23 - vt100 BREAK KEY
XX
XX $6070- Translate table. The single byte translate table. Here
XX $6090 is where the the function key is mapped to the character
XX to send to the host.
XX
XX An example to clear up all this confusion:
XX
XX Let's say you type an open-apple W. "W" appears as the third
XX element in the Key Table. So, look at the 3rd byte in the
XX
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XX Terminal Program applications notes:
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XX
XX Dispatch Table. It is 6 (meaning pf2), so look at the 6th
XX element in the Translate table. Here we find that an S is to be
XX sent. (So the sequence looks like "<ESC>?S".)
XX
XX This wonderful method means that your own preferences in keys can
XX be mapped into the program.
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XX (See the source code for a look at what it all means...)
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XX   the internal things.
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XX   Terminal Program applications notes:
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XX   The BASIC program: 'CONFIGURE TERMINAL'
XX
XX   The CONFIGURE TERMINAL program is a very simple piece of code

XX	that just asks 4 or 5 questions and saves the results to a text
XX	file "CONFIG.TERM"
XX
XX	The DATA statements in the program consist of all the possible
XX	screen, serial and 80-column cards. They are divided up by
XX	sections. Which look like this:
XX
XX	xxx DATA TYPE-OF-DRIVER-WE-WANT-TO-INSTALL
XX
XX	xxx DATA SHORT-NAME-OF-CARD
XX	xxx DATA DCOM.xxxx.xxxx (NAME OF DRIVER ON DISK)
XX	xxx DATA LONG NAME (USED WHEN LOADING THE TERMINAL)
XX
XX	--- Repeat the above 3 data statements until all the cards of
XX	 that catagory are exhausted.
XX
XX	xxx DATA *,XX,XX (Indicates the end of a "card section")
XX
XX	--- Start over with the name of the next type of driver to be
XX	 installed.
XX
XX	xxx DATA ** (indicates the end of the cards to be installed.)
XX
XX
XX	The file looks like this:
XX
XX	DCOM.MAIN
XX	MAIN DRIVER
XX	DCOM.KEYBOARD.IIE
XX	KEYBOARD DRIVER
XX	DCOM.CONTROL
XX	CONTROL PANEL
XX	DCOM.SCREEN.xxxx
XX	NAME-OF-VIDEO-DRIVER
XX	DCOM.MODEM.xxxx
XX	NAME-OF-SERIAL-DRIVER
XX	DCOM.PERSONALITY.xxxx
XX	NAME-Of-DIALING PERSONALITY
XX	n <-- The slot number of the serial card.
XX	{EOF}
XX
XX	The order of the modules within the file is not important.
XX
XX	The 'HELLO' program just reads the file, and loads each named
XX	file while it prints its name on the screen.
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XX Terminal Program applications notes:
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XX Notes on writing your own drivers:
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XX 1) Video drivers should use the DCOM.SCREEN.DVISION as the
XX "reference" driver. You should examine this driver carefully
XX by printing it out first.
XX
XX 2) Serial card drivers should use the DCOM.MODEM.SSC (Super
XX Serail Card) driver. This driver is pretty characteristic
XX of a serial driver. Again print it out first.
XX
XX 3) Avoid using built in ROM as much as possible, as ROM usually
XX contains very unwanted side-effects.
XX
XX 4) BEWARE of the Apple's wonder system of peripheral card
XX expansion ROM. Some cards enable the $C800-$CFFF space but
XX don't disable it until another card SPECIFICALLY REQUESTS that
XX it be disabled. The standard Apple convention to disable the
XX card occupying the space is to reference the $CFFF location.
XX So, before you do anything to a peripheral card, read (or
XX write) to $CFFF and then reference a memory location within
XX the 256 byte ROM space on the card you want to talk to. If
XX you don't do this STRANGE things may happen.
XX
XX 5) Don't make any assumptions about using registers. Do not save
XX any registers because no routine assumes that they are saved.
XX If ever a section of the terminal dies after adding a new
XX chunk, just save the registers of the new chunk. If the
XX program works after that, then I'll have to eat my words.
XX The video driver has the saved/killed registers in a routine
XX by routine format in the source listings.
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SHAR_EOF
if test 38017 -ne "`wc -c < 'driver.notes'`"
then
     echo shar: error transmitting "'driver.notes'" '(should have been 38017
characters)'
fi
fi # end of overwriting check
#    End of shell archive
exit 0


From -2510393775588396860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,351fc6794941ae53,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-14 03:06:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: vt100 emulator (part 4 of 3)  (Postscript)
Message-ID: <2529@sdcc6.UUCP>
Date: Mon, 14-Apr-86 06:06:50 EST
Article-I.D.: sdcc6.2529
```

Posted: Mon Apr 14 06:06:50 1986
Date-Received: Thu, 17-Apr-86 04:23:06 EST
Organization: UC San Diego EE/CS Department.
Lines: 20
Keywords: vt100 emulator Apple

Be sure you set the high bits on the to.apple.x files before you
EXEC them.

Please let me know if you get the new verion working properly. Quick
questions may be handled over the phone. Other questions/complaints
should be relegated to the world of E-mail.

My phone: (9am-1pm and 7pm-11pm WEST COAST TIME): (619) 450-9316
          {Beware of obnoxious answering machine}

Ideal E-mail: ARPA: hayes%wizard@UCSD.ARPA
         UUCP: {ihnp4, ucbvax, decvax, etc.}!sdcsvax!wizard!hayes

So-So E-mail: ARPA: ix742%sdcc6@UCSD.ARPA
         UUCP: {ihnp4, ucbvax, decvax, etc.}!sdcsvax!sdcc6!ix742

Have fun, and may your all dreams be vt100 compatible.

Jim Hayes, UCSD

From -8796241842908630372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,74d90527211c9a0c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-14 21:09:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.uucp
Path: utzoo!utcs!utcsstat!anthony
From: anthony@utcsstat.uucp (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: help with rnd function
Message-ID: <2271@utcsstat.uucp>
Date: Tue, 15-Apr-86 00:09:03 EST
Article-I.D.: utcsstat.2271
Posted: Tue Apr 15 00:09:03 1986
Date-Received: Tue, 15-Apr-86 01:40:53 EST
Organization: U. of Toronto, Canada
Lines: 8

Does anyone know the procise means by which random numbers are generated
on the Apple ii+; right-shifting, congruential methods, mid-square rule, etc.

Many thanks in advance. Please reply directly.
--

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From -481527174780920102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d08b7db7f28d0b84,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-17 04:47:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site mtgzy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!houxm!mtuxo!mtgzy!sts
From: sts@mtgzy.UUCP (s.l.talaricoswier)
Newsgroups: net.micro.apple
Subject: Apple 2c disk drive
Message-ID: <1731@mtgzy.UUCP>
Date: Thu, 17-Apr-86 07:47:05 EST
Article-I.D.: mtgzy.1731
Posted: Thu Apr 17 07:47:05 1986
Date-Received: Fri, 18-Apr-86 09:45:42 EST
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 15

I will be purchasing a second disk drive for my apple in the
very near future. Does anyone have any reccomendations (brand
price, etc).

I've seen prices (in the back of Byte magazine) ranging from
$119 to $130. I have no idea if that's reasonable or not (too
high or unreasonably low?).

Thanks in advance,

Sandy Swier
ihnp4!mtgzy!sts
AT&T ISj
200 Laurel Avenue
Middletown, NJ

From 7012996670626748387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129fb9,582f47a8242386ad
X-Google-Attributes: gid129fb9,public
X-Google-Thread: 1622d3,582f47a8242386ad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-17 15:23:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!panda!talcott!
harvard!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple,net.lang.mod2
Subject: Re: Modula Corporation (Apple // compiler)

Message-ID: <330@ius2.cs.cmu.edu>
Date: Thu, 17-Apr-86 18:23:02 EST
Article-I.D.: ius2.330
Posted: Thu Apr 17 18:23:02 1986
Date-Received: Sun, 20-Apr-86 17:07:03 EST
References: <2478@jhunix.UUCP>
Organization: Carnegie-Mellon University, CS/RI
Lines: 12
Xref: watmath net.micro.apple:2709 net.lang.mod2:442
Summary: Not likeley

They sent out some Beta test copies a year or so ago, but I think their efforts are fizzling. They told me (6 months to a year ago) that porting the compiler to an Apple // was a 'real hard problem'. Pecan is it, as far as I've heard. (They're selling Volition's modula-2 p-code compiler, which presumably will work with the 6502 (DOS 3.3 & ProDOS 'soon) native code generator. It would be nice if it were compatible with Apple UCSD Pascal)
--
- Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From 737144284983534101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 157808,9d088dd7f1384cc5,start
X-Google-Attributes: gid157808,public
X-Google-Thread: 15f443,9d088dd7f1384cc5,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,9d088dd7f1384cc5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-17 16:59:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!decvax!bellcore!ulysses!burl!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!
akgua!gatech!seismo!harvard!talcott!panda!genrad!mit-eddie!moore
From: moore@mit-eddie.UUCP
Newsgroups: net.wanted,net.music.synth,net.micro.apple
Subject: Anyone know about the alpha syntauri?
Message-ID: <1641@mit-eddie.MIT.EDU>
Date: Thu, 17-Apr-86 19:59:22 EST
Article-I.D.: mit-eddi.1641
Posted: Thu Apr 17 19:59:22 1986
Date-Received: Sun, 20-Apr-86 21:01:04 EST
References: <1623@mit-eddie.MIT.EDU>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: na
Organization: MIT, EE/CS Computer Facilities, Cambridge, MA
Lines: 22
Keywords: keyboard, alpha syntauri, apple
Xref: burl net.wanted:4722 net.music.synth:1041 net.micro.apple:2944

For quite a while I have been interested in a synthesizer for my old
apple II+, specifically the Alpha Syntauri, a 4-octave digital
synth introduced a few years ago. I don't know how much one of these
things costs, but I would be interested in using one or perhaps
buying a used one.

   If anyone has one of these beasts, I would appreciate hearing from
you -- I would like any information on the synth that you can provide.
This includes limitations, creating voices, which slots does it take up
in the apple -- anything. I would be extremely interested in buying
a used one if you have one that hasn't been getting used much lately,
or perhaps borrowing it for a month or two to get a feel for it.

   Any information would be appreciated. Thanks.

-drew
 arpa: MOORE%MIT-EECS@MIT-MC.ARPA
 uucp: ...mit-eddie!moore
   us: Box 121, North Quincy, MA 02171

From 6958152602298566493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-21 12:35:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihlpg!timborn
From: timborn@ihlpg.UUCP (Tim Born)
Newsgroups: net.micro.apple
Subject: bank switching for large memories
Message-ID: <1840@ihlpg.UUCP>
Date: Mon, 21-Apr-86 15:35:12 EST
Article-I.D.: ihlpg.1840
Posted: Mon Apr 21 15:35:12 1986
Date-Received: Wed, 23-Apr-86 14:53:27 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 20

After looking at several memory expansion boards for my Apple][+, I think I
understand the concept, but I would like more details of how the bank switching
really works. The 16Kb expansion depends on decoding one of the $Cxxx locations
to determine if the access is for on-board or in-slot RAM. Why do you
have to access the location twice?

For the 128Kb expansion, what mechanism is used? How big are the "chunks"
that are switched? Are all chunks switched into the same region in the address
spectrum, or can a 16Kb expansion coexist peacefully with a 128Kb expansion?
Can two 128Kb expansions coexist in harmony? Do the companies that make

the 1 MEG (!) expansions use a different technique? Has any sort of
standard evolved? I noticed that some expansion boards need a ribbon cable
connected to the motherboard, others do not. Why???

If anyone could shed some light on this subject, I would be most grateful.
Would this be of general interest to the rest of the net.micro.apple?

Thanks,
tim born
...ihnp4!ihlpg!timborn

From -3078799908896168275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,19ba9b52ecd425c6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-22 05:17:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
unirot!halloran
From: halloran@unirot.UUCP (Bob Halloran)
Newsgroups: net.micro.apple
Subject: Request for Pascal Reviews for][
Message-ID: <527@unirot.UUCP>
Date: Tue, 22-Apr-86 08:17:40 EST
Article-I.D.: unirot.527
Posted: Tue Apr 22 08:17:40 1986
Date-Received: Wed, 23-Apr-86 23:46:58 EST
Organization: Public Access Un*x, Piscataway NJ (The Soup Kitchen)
Lines: 18
Keywords: pascal

My wife is a high school teacher who has been put in charge of the
new computer lab. She is now working up her purchase requests for
the next school year. She wants to purchase Pascal, but wants to
know which will be the 'best' for students starting out. My Apple
experience is insufficient to be of help.

Any opinions on good versions of Pascal for a school environment?
Apple-native, please, they don't have Z-80 cards and the additional
expense would rule any CP/M versions out.

Thanks to all.

                        Robert Halloran
==
UUCP: ..topaz!caip!unirot!halloran
USPS: 19 Culver Ct, Old Bridge NJ 08857   Ph: (201) 251-7514
Disclaimer: Any opinions are due solely to line noise.
Quote: "When the going gets weird, the weird turn pro..." -- Hunter Thompson

From -2181364813510753003

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,337b6750afed1292,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-22 09:01:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hounx.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!hounx!gtp
From: gtp@hounx.UUCP (G.PECKHAM)
Newsgroups: net.micro.apple
Subject: apple rgb to amdek 500, HELP
Message-ID: <827@hounx.UUCP>
Date: Tue, 22-Apr-86 12:01:33 EST
Article-I.D.: hounx.827
Posted: Tue Apr 22 12:01:33 1986
Date-Received: Wed, 23-Apr-86 23:36:00 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 22

Help....

I have been trying to connect an amdek 500 color monitor to an
Applied Eng. RGB card. So far I have tried two different cables
and have had no success.

Here's whats happening.

I receive the picture but cannot get it to lock. It rolls top to bottom.
By CAREFULL adjustment I can just about get it but not quite. Sounds like
the vertical sync. Problem is that the amdek 500 works in both nstc and rgb
modes. In the nstc mode it works fine. I would guess that the same vertical
sync circuitry works for both ???

Does anyone have a similar setup (especially in Holmdel, so that I could
test to see which component is bad - rgb card, cable, monitor)?

Any advice will be appreciated.

Thanks in advance

Gary (201) 949-1831 or holmdel hounx!gtp

From -3961462857885248686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,156425d4d9b07895,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-22 18:30:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: imagewriter // (help?)

Message-ID: <3175@reed.UUCP>
Date: Tue, 22-Apr-86 21:30:32 EST
Article-I.D.: reed.3175
Posted: Tue Apr 22 21:30:32 1986
Date-Received: Fri, 25-Apr-86 01:24:35 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net.micro.apple
Organization: Reed College, Portland, Oregon
Lines: 47

[grunch grunch grunch grunch grunch gruncc grunch gruch grunch grunch...]

Well, here's the scoop...

I got a //c and imagewriter // (actually _I_ have a //e and Prowriter...) and I'm in the process of writting some more fantastic PD software (yay!) for all of yoose guys...

BUT!

Yes, needless to say, I'm having a problem...

It seems that after I print out about 96 graphics bytes, I get a return and line feed. Well, there goes the neigherhood! I tried to set the line length to 255 by "^I255N" but then I get the same thing. I tried it with the printer in debug mode (hex dump) and I got two things. If I just powered up, I get 8D 8A about once every 96 characters. With ^I255N I get 8D 8A and 80 or so character I get 0D 0A. This makes me wonder if perhaps the printer itself is sending these nasty CR and LF's....

to illustrate my point, run this...

```
1 ONERR GOTO 100
10 PRINT CHR$(4);"PR#1"
20 DATA 1,1,1,1,2,2,2,2,3,3,3,3,4,4,4,4,5,5,5,5,6,6,6,6
30 READ K : PRINT CHR$(27);"K";K; : PRINT CHR$(27);"G0009"; : REM 0=zero
40 FOR X = 1 TO 9 : CALL 768 : NEXT : REM ML PROGRAM FOLLOWING
50 GOTO 30
100 PRINT: PRINT: PRINT: PRINT CHR$(4);"PR#0"


300: A9 7F     LDA #$7F
302: 20 ED FD  JSR $FDED
305: 60        RTS
```

What this should do is print nine bytes of one color, then move on to the next. It's pretty simple. What really icks me off is that this sample program ran just fine at 2 am this morning, but not now...now I get those damn line feeds.

wel, I've rambled on long enough. If you're just dying to help me, like ou can't sleep at night because you know the answer, or even might know the answer, then by all means, send me mail. help!

sean kamath

ihnp4,decvax,ucbcad,teneron!tektronix!reed!kamath

From -2420196247920473722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b5bece0be47e7eb0,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b5bece0be47e7eb0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-23 11:29:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihlpg!markb
From: markb@ihlpg.UUCP (Blumenthal)
Newsgroups: net.micro,net.micro.apple
Subject: Need IIc Technical Reference Manual
Message-ID: <1845@ihlpg.UUCP>
Date: Wed, 23-Apr-86 14:29:21 EST
Article-I.D.: ihlpg.1845
Posted: Wed Apr 23 14:29:21 1986
Date-Received: Thu, 24-Apr-86 07:43:38 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 7
Xref: watmath net.micro:14426 net.micro.apple:2716

I need to reference a few pages of schematics from the
Apple IIc Technical Reference Manual. If anyone has the
manual and can help me out please call me at x3676 or
send e-mail.

Mark Blumenthal
ihlpg!markb

From 8494036496119210040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,3f3d7c18002796aa,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,3f3d7c18002796aa,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,3f3d7c18002796aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-23 12:20:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rruxa.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!rruxa!gwl
From: gwl@rruxa.UUCP (George W. Leach)
Newsgroups: net.micro,net.micro.apple,net.micro.pc
Subject: Apple IIe/IIc vs IBM PC for Children

Message-ID: <153@rruxa.UUCP>
Date: Wed, 23-Apr-86 15:20:17 EST
Article-I.D.: rruxa.153
Posted: Wed Apr 23 15:20:17 1986
Date-Received: Thu, 24-Apr-86 06:48:31 EST
Organization: Bell Communications Research, Piscataway, NJ
Lines: 35
Xref: watmath net.micro:14423 net.micro.apple:2715 net.micro.pc:7927

>>>>>>>> For the Line Eater; Watch Out!! <<<<<<<<<

I am in need of some assistance. I am aiding some friends in selecting a microcomputer to purchase for their children's educational needs. The children are in grades 1 and 5. At their school they use the Apple IIe for Logo (with Sprite Board for animation) and the Bank Street Writer (128k Version). Starting in the 9th grade the students begin to use Wordstar. From grades 7-12 they will have an option to work with the Apple IIe, IBM PC or on timesharing system.

First, neglecting the extra cost, are there any reasons why we should consider an IBM PC over one of the Apples for this purpose? There really is no need for a hard disk. The older child is comfortable with the Apple at school and will not even have the opportunity to use an IBM PC at school for several years.

Second, given that we go with an Apple, can the IIc provide enough resources to support our requirements? Is there an expansion capability with the IIc to handle a Sprite Board? What about the memory capacity?

Any information that you could provide would be appreciated. I do not have much experience with micros and my friends have even less. Thanks to all in advance.
--

George W. Leach
{allegra|bellcore|ihnp4|research}!indra!reggie

Bell Communications Research, Inc.,
444 Hoes Lane 4B1143
Piscataway, New Jersey 08854
(201) 699-8639

From 4126433142828154842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba3e947cf628640e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-23 19:14:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!topaz!
uwvax!harvard!talcott!panda!genrad!decvax!hplabs!tektronix!reed!kamath

From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: //c serial ports
Message-ID: <3184@reed.UUCP>
Date: Wed, 23-Apr-86 23:14:40 EDT
Article-I.D.: reed.3184
Posted: Wed Apr 23 23:14:40 1986
Date-Received: Sun, 27-Apr-86 06:35:02 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net.micro.apple
Organization: Reed College, Portland, Oregon
Lines: 18

Well, I posted too soon...sigh.

Well, I looked in my trusty back issues of Open-Apple and lo and behold,
the problem manifests itself. I boot up the //c system utilities,
select "configure the serial ports" and set everything the same except
"do not send CR" for line width. The program now works quite nicely,
though a tad slow. Anyone interested in it? If so, I'll post it.
Otherwise, I'll put some bells and whistles on it, then post it. It's a
nice little routine, though it uses almost $150 bytes of lookup tables.
SIGH. I guess I really should calculate base addresses.

Send me e-mail if your interested. Soon I'll post a routine to set the
serial ports on a //c any way you'd like, and that show you how to do it
in your own programs...(geez, I sound like a book :-)

Sean Kamath

(ihnp4,decvax,ucbcad,teneron,zhentel,hplabs)!tektronix!reed!kamath

From 8434857913416275158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5c4cc5a80344236e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-23 19:42:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!topaz!
uwvax!harvard!talcott!panda!genrad!decvax!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Assembler Cross Reference Chart
Message-ID: <3185@reed.UUCP>
Date: Wed, 23-Apr-86 23:42:16 EDT
Article-I.D.: reed.3185
Posted: Wed Apr 23 23:42:16 1986
Date-Received: Sun, 27-Apr-86 06:35:33 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net.micro.apple
Organization: Reed College, Portland, Oregon
Lines: 15

[][][][][][][][][gulp!][][][][][][][][][][][][]][][][(choke!)][][][][][]

In the vary latest NIBBLE (VOL 7/NO 5 MAY 1986) there is a very
interesting chart on pp.84-86. It list teh various popular assemblers,
the psuedo opcodes and what they are. IT is very nice. It's great if
you have a magazine article written with the LISA assembler and you're
using S-C Macro assembler. It lists incompatabilities, etc. It's
handy, even for things that are supposedly compatable or near
compatable. I.e. one command means one thing in LISA, and another in
Apple's DOS Toolkit. You won't notice the difference till it hurts...

Sean Kamath

ihnp4!tektromix!reed!kamath

From -6333963086123669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 102cb0,7bab09342b7fa7f0
X-Google-Attributes: gid102cb0,public
X-Google-Thread: 1622d3,621d2ca4a16b537a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-24 04:20:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
seismo!harvard!bu-cs!bucsb!madd
From: madd@bucsb.UUCP (madd (Madd(ly) lost in the Net....))
Newsgroups: net.micro.apple
Subject: Re: Request for Pascal Reviews for][(v long)
Message-ID: <254@bucsb.UUCP>
Date: Wed, 23-Apr-86 21:21:01 EDT
Article-I.D.: bucsb.254
Posted: Wed Apr 23 21:21:01 1986
Date-Received: Sun, 27-Apr-86 05:36:21 EDT
Organization: Boston Univ Comp. Sci.
Lines: 85

In message <527@unirot.UUCP> halloran@unirot.UUCP (Bob Halloran) writes:
>My wife is a high school teacher who has been put in charge of the
>new computer lab. She is now working up her purchase requests for
>the next school year. She wants to purchase Pascal, but wants to
>know which will be the 'best' for students starting out. My Apple
>experience is insufficient to be of help.
>
>Any opinions on good versions of Pascal for a school environment?
>Apple-native, please, they don't have Z-80 cards and the additional
>expense would rule any CP/M versions out.

While I have only used one Pascal version for native Apple][, I
can give you a recommendation for it and my experiences with it.

Apple's own Pascal is a UCSD Pascal. It has its own editor which is at least decent (I only used it for a little while, but I had no trouble with it). The compiler is rather slow, but works fine. There are a number of problems you have to think about, however:

This Pascal does not operate under DOS 3.3 or ProDOS. It uses a strange 512-byte sector format and I couldn't even get it to drop me to a command level. THIS IS NOT REALLY BAD! More on this later. This created an apparent problem to me. How do you back up the Pascal disks? Even some REALLY fancy copiers bawked at this one. But inside the system was a utility that did the trick, so this is not even a problem.

The environment is completely menu-driven, which annoyed me but was still not too much of an annoyance.

The only serious problems/annoyances come if you are using a][or][+. You NEED 64K (//e //c or][ ][+ w/ language card) to run this. You also want an 80 column card (I don't remember which cards it supports, so check this--Apples' own worked, of course) because otherwise you get to flip between two 40 column screens. This works, but it still a pain. The last problem I had resulted in needing two disk drives. You definitely need two of them. The program uses a LOT of stuff on diskette. We managed to get it to do things on a single drive, but not well, so if you want to use this, make sure you have that extra drive. This high disk usage brings up another problem. If more than one person is using this at a time, you need more than one copy of the Pascal disks (there are four, but I think only one is really necessary). This doesn't tend to be a problem, because most schools now buy disks by bulk, but it is something to consider.

If all of this hasn't turned you off yet, there are a lot of promising things about this package.

It is VERY standard. I could not find a single thing that was not implemented on this version that was in standard Pascal. There were a number of extras that took advantage of the Apples' graphics.

The compiled code was not as fast as native code would be. It compiles into a heavily tokenized form that still runs considerably faster than Applesoft, using equivalent code.

One thing you should note is that I didn't give this a heavy testing. At the time I was just learning Pascal and was not into trying out everything to make sure that it conformed. However, a friend of mine who is still using it tells me it is as standard as he can tell.

The operating system is still different. This is likely due to the fact that Pascal would not operate too well under either of the standard DOS's.

So much for this review. I can't tell you how much this Pascal is for, because my High School didn't tell me when I was using it. Knowing

Apple, it was pretty high when it first came out. Likely it has dropped
by now. You already said that you weren't interested in anything that
used CP/M cards or the like. It may be that this Pascal is still ex-
pensive enough that the purchase of a CP/M card as well as Turbo
Pascal would be competitively priced. If this is the case, I would
recommend doing this above buying the Apple Pascal. Otherwise, this
is a useable version.

--

+---+
: Jim Frost   : "You just gotta smile through it"   :
:   : "The Earth is just too small and fragile :
: ..!harvard!bu-cs!bucsb!madd   : a basket for mankind to keep all of its :
: cscc71c%bostonu.bitnet@wiscvm : eggs in."--Robert A. Heinlein   :
: USnail: 75 Washington St   : "What the hell, put 'em all in one   :
:   Laconia, NH 03246   : basket"--Me   :
+---+

From -7677410788081025071
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-24 13:26:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!lll-
crg!lll-lcc!ucdavis!ucbvax!decvax!wanginst!apollo!nazgul

From: nazgul@apollo.uucp (Kee Hinckley)

Newsgroups: net.micro.apple

Subject: Re: bank switching for large memories

Message-ID: <2d4cdf02.7005@apollo.uucp>
Date: Thu, 24-Apr-86 17:26:39 EDT
Article-I.D.: apollo.2d4cdf02.7005
Posted: Thu Apr 24 17:26:39 1986
Date-Received: Sun, 27-Apr-86 05:30:28 EDT
References: <1840@ihlpg.UUCP>

Reply-To: nazgul@apollo.UUCP (Kee Hinckley)

Distribution: net

Organization: Apollo Computer Inc., Chelmsford MA

Lines: 41

In article <1840@ihlpg.UUCP> timborn@ihlpg.UUCP (Tim Born) writes:
>
> For the 128Kb expansion, what mechanism is used? How big are the "chunks"
> that are switched? Are all chunks switched into the same region in the address
> spectrum, or can a 16Kb expansion coexist peacefully with a 128Kb expansion?
> Can two 128Kb expansions coexist in harmony? Do the companies that make
> the 1 MEG (!) expansions use a different technique? Has any sort of
> standard evolved? I noticed that some expansion boards need a ribbon cable
> connected to the motherboard, others do not. Why???
>
> If anyone could shed some light on this subject, I would be most grateful.

> Would this be of general interest to the rest of the net.micro.apple?
>

There are 3 techniques used. One just bank switches those top 16K. One bank switches on the whole 64K (though you can be selective to some degree about what gets switched (not a good idea to bank switch your stack)). The latter is the technique used by the 64K expansion card and Applied Engineering. The third technique (used by Apples RAM expansion card) treats the memory as a device and you call it to get bytes. Apple aside the 64K bank switch seems to be what most people are doing. There is an article on all of this in a recent A+, you should read that to be sure, my memory isn't the best.

-kee

--

...decvax!wanginst!apollo!nazgul

This is the Turn of a Plausible Phrase
That thickened the Erudite Verbal Haze
Cloaking Constant K
That saved the Summary
Based on the Mummery
Hiding the Flaw
That lay in the Theory Jack built.

A Space Child's Mother Goose
(4 more messages to finish this poem!)

From -3178978980234042389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-24 16:27:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site myrias.UUCP
Path: utzoo!utcsri!ubc-vision!alberta!myrias!sjl
From: sjl@myrias.UUCP (Stuart Lomas)
Newsgroups: net.micro.apple
Subject: Re: bank switching for large memories
Message-ID: <243@myrias.UUCP>
Date: Thu, 24-Apr-86 19:27:34 EST
Article-I.D.: myrias.243
Posted: Thu Apr 24 19:27:34 1986
Date-Received: Thu, 24-Apr-86 21:42:51 EST
References: <1840@ihlpg.UUCP>
Organization: Myrias Research, Edmonton
Lines: 76

> After looking at several memory expansion boards for my Apple][+, I think I
> understand the concept, but I would like more details of how the bank
> switching really works.
> ...
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> that make the 1 MEG (!) expansions use a different technique? Has any sort
> of standard evolved? I noticed that some expansion boards need a ribbon
> cable connected to the motherboard, others do not. Why???
> ...
>
> tim born
> ...ihnp4!ihlpg!timborn

I am also interested in this area. To get the information flowing, let me throw in what I know.

The "standard" 16K expension (ie Microsoft RAM card) actually fits into the 12K of address space between $D000 and $FFFF, overlapping the space otherwise occupied by the ROMs. This is accomplished by providing a 12K bank which maps from $D000 to $FFFF and a 4K bank that maps from $D000 to $DFFF. When the 4K bank is selected, the bottom 4K of the 12K bank is invisible, but the top 8K is visible. Think of this as a 16K bank consisting of an 8K bank which is always visible when the 16K bank is active, and two 4K bank of which exactly one is visible when the 16K bank is active.

The "standard" 128K card simply extends this scheme by providing multiple 16K banks, each of which looks exactly like the 16K bank of the standard 16K card. A 128K card consists of 8 16K banks, each of which is mapped as described above. Multiple 128K cards can be used at once (with at most 1 active at a time), and 128K cards can coexist with 16K cards. Apparently, intermediate sizes of cards (32K, 64K) have also been made (or can be made by partially populating a 128K card), and they can also be used in conjunction with other cards.

"Non-standard" 128K cards also exist, such as the MicroTek Q-Disk. This card works by mapping a selectable 256 byte page of its 128K memory into the 256 bytes provided in the $Cxxx space for each card. This is not useful as bank switched program memory, but works fine for RAM disk.

My own configuration consists of a 16K Microsoft RAM card in slot 0, a 128K MicroTek Q-Disk in slot 4, and a 128K Saturn card in slot 5. I run Apple Pascal 1.1 almost exclusively, which uses the 16K card for operating system code. I use both 128K cards as RAM disks. If I am short of slots, I can remove the 16K card and move the 128K Saturn card (a "Standard" 128K card) to slot 0. The Pascal system will then use 16K of the 128K Saturn card, and I can use the remaining 112K as RAM disk. My computer is an Apple][+.

There is a problem with the "standard" memory mapping scheme. If you want to use interrupts, you have to set an interrupt vector at $FFFA, $FFFC or $FFFE (depending on what you want to trap) to point to your interrupt handler. This is a hardware feature of the 6502 processor and cannot be changed. Unfortunately, these interrupt vectors are in the bank switched memory, so you have to duplicate your interrupt vectors in every 16K bank, and avoid using the top 6 bytes of each bank for anything else. Most Apple users will not find this to be a problem, because most apple programs do not use interrupts of any kind, except possibly for trapping the BREAK key.

I have no idea how the 1Meg and larger cards are implemented. I suspect that they are not done using the "standard" scheme I have described above, because a 128K card uses all of the 16 io locations assigned to it in page $C0xx for bank selection. In fact, I suspect that they do not provide mappable memory at all, but rather provide a fast way of copying memory into and out of the card. Can anyone fill me in on this?

   Stuart Lomas
   Myrias Research Corporation
   Edmonton, Alberta, Canada
   ihnp4!alberta!myrias!sjl

From -3449201566315480846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-24 23:27:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!panda!genrad!decvax!tektronix!
hplabs!hpda!hpisoa2!hpitg!myrias!sjl@myrias
From: sjl@myrias
Newsgroups: net.micro.apple
Subject: Re: bank switching for large memories
Message-ID: <243@myrias>
Date: Fri, 25-Apr-86 03:27:00 EDT
Article-I.D.: myrias.243
Posted: Fri Apr 25 03:27:00 1986
Date-Received: Wed, 14-May-86 07:21:13 EDT
References: <1840@ihlpg>
Lines: 76

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>
> tim born
> ...ihnp4!ihlpg!timborn

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   Stuart Lomas
   Myrias Research Corporation
   Edmonton, Alberta, Canada
   ihnp4!alberta!myrias!sjl

From 8652117335155849731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-25 09:09:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uthub.UUCP
Path: utzoo!utcsri!utai!uthub!koko
From: koko@uthub.UUCP (M. Kokodyniak)
Newsgroups: net.micro.apple
Subject: Re: bank switching for large memories
Message-ID: <296@uthub.UUCP>
Date: Fri, 25-Apr-86 12:09:58 EST
Article-I.D.: uthub.296
Posted: Fri Apr 25 12:09:58 1986
Date-Received: Fri, 25-Apr-86 13:28:17 EST
References: <1840@ihlpg.UUCP> <243@myrias.UUCP>
Organization: CSRI, University of Toronto
Lines: 35

>
> > After looking at several memory expansion boards for my Apple][+, I think I
> > understand the concept, but I would like more details of how the bank
> > switching really works.
> > ...
> > For the 128Kb expansion, what mechanism is used? How big are the "chunks"
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> > that make the 1 MEG (!) expansions use a different technique? Has any sort
> > of standard evolved? I noticed that some expansion boards need a ribbon
> > cable connected to the motherboard, others do not. Why???
> > ...
> >
> > tim born

     All of the memory expansion boards which are available use dynamic RAM. This means that the RAM chips need dynamic refresh logic. On the cards

without the ribbon cable, there is a binary counter which runs continuously and generates a refresh address for the memory chips every memory cycle. On the cards with the cable, however, the refresh address is siphoned off from the motherboard through the cable and then is gated into memory chips on the expansion board. This saves some chips, and hence some power and heat. (Note that the displaced RAM chip is connected, pin-for-pin, to the cable when it is plugged into the expansion board.) A disadvantage of this approach is that the board only adds six RAM chips instead of eight, only 12K of expansion RAM instead of 16K is added. (However, for running CP/M with the Z80 card, this does not matter.) Also, since each chip is only one bit wide -- 4116's are used -- there is a need for multiplexing logic for mapping the bits into a rectangular 12-K by 8 block.

Mike Kokodyniak, University of Toronto

> > ...ihnp4!ihlpg!timborn
>

From 9115304604289529968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12eaa7,7943a3cdbd354979,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 1622d3,7943a3cdbd354979,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,7943a3cdbd354979,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-04-25 11:42:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site dciem.UUCP
Path: utzoo!dciem!frank
From: frank@dciem.UUCP (Frank Evans)
Newsgroups: net.micro.trs-80,net.micro.mac,net.micro.apple
Subject: ImagewriterII to Trs100?
Message-ID: <1852@dciem.UUCP>
Date: Fri, 25-Apr-86 14:42:12 EST
Article-I.D.: dciem.1852
Posted: Fri Apr 25 14:42:12 1986
Date-Received: Fri, 25-Apr-86 16:11:31 EST
Distribution: net
Organization: D.C.I.E.M., Toronto, Canada
Lines: 10
Xref: dciem net.micro.trs-80:646 net.micro.mac:5710 net.micro.apple:2531

Does anyone know what the pin setup is for a cable which would connect to an RS232 on a Trs100 to an Imagewriter II with a mini8 jack?

I heard there was a descrition of this in the "Open Window" section of the December 1985 issue of MacWorld!!

If someone has this issue could the please be so kind as to mail me the pin out setup.

Sincerely   Dr.Frank Evans

From -1642635576870827392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0fce757711976b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-25 18:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!hao!hplabs!hpda!hpisoa2!hpitg!
uthub!koko@uthub
From: koko@uthub
Newsgroups: net.micro.apple
Subject: Re: bank switching for large memories
Message-ID: <296@uthub>
Date: Fri, 25-Apr-86 22:09:00 EDT
Article-I.D.: uthub.296
Posted: Fri Apr 25 22:09:00 1986
Date-Received: Wed, 14-May-86 05:44:30 EDT
References: <1840@ihlpg>
Lines: 35

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> > After looking at several memory expansion boards for my Apple][+, I think I
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> > switching really works.
> > ...
> > For the 128Kb expansion, what mechanism is used? How big are the "chunks"
> > that are switched? Are all chunks switched into the same region in the
> > address spectrum, or can a 16Kb expansion coexist peacefully with a 128Kb
> > expansion? Can two 128Kb expansions coexist in harmony? Do the companies
> > that make the 1 MEG (!) expansions use a different technique? Has any sort
> > of standard evolved? I noticed that some expansion boards need a ribbon
> > cable connected to the motherboard, others do not. Why???
> > ...
> >
> > tim born

     All of the memory expansion boards which are available use dynamic
RAM. This means that the RAM chips need dynamic refresh logic. On the cards
without the ribbon cable, there is a binary counter which runs continuously
and generates a refresh address for the memory chips every memory cycle.
On the cards with the cable, however, the refresh address is siphoned off
from the motherboard through the cable and then is gated into memory chips
on the expansion board. This saves some chips, and hence some power and
heat. (Note that the displaced RAM chip is connected, pin-for-pin, to the
cable when it is plugged into the expansion board.) A disadvantage of
this approach is that the board only adds six RAM chips instead of eight,
only 12K of expansion RAM instead of 16K is added. (However, for running
CP/M with the Z80 card, this does not matter.) Also, since each chip is
only one bit wide -- 4116's are used -- there is a need for multiplexing
logic for mapping the bits into a rectangular 12-K by 8 block.

Mike Kokodyniak, University of Toronto
> > ...ihnp4!ihlpg!timborn
>

From 4695867798319546804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,621d2ca4a16b537a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-27 20:08:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-lcc!lll-crg!
seismo!brl-adm!brl-smoke!gwyn
From: gwyn@brl-smoke.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Request for Pascal Reviews for][
Message-ID: <333@brl-smoke.ARPA>
Date: Sun, 27-Apr-86 23:08:27 EDT
Article-I.D.: brl-smok.333
Posted: Sun Apr 27 23:08:27 1986
Date-Received: Fri, 2-May-86 22:41:26 EDT
References: <254@bucsb.UUCP>
Reply-To: gwyn@brl.ARPA
Organization: Ballistic Research Lab (BRL)
Lines: 3

Apple has out a new release of Pascal; the box it comes in is
virtually unlabeled! I have heard that this release runs under
ProDOS instead of its own operating system.

From 6050579167677155067
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,621d2ca4a16b537a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-28 05:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!hplabs!hpda!hpisoa2!hpitg!brl-smoke!gwyn@brl-smoke
From: gwyn@brl-smoke
Newsgroups: net.micro.apple
Subject: Re: Request for Pascal Reviews for][
Message-ID: <333@brl-smoke>
Date: Mon, 28-Apr-86 08:08:00 EDT
Article-I.D.: brl-smok.333
Posted: Mon Apr 28 08:08:00 1986
Date-Received: Tue, 13-May-86 01:24:50 EDT
References: <527@unirot>
Lines: 3

Apple has out a new release of Pascal; the box it comes in is
virtually unlabeled! I have heard that this release runs under

ProDOS instead of its own operating system.

From -2539165408332127129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f3d7c18002796aa
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,3f3d7c18002796aa
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-04-28 12:18:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!sdcrdcf!
usc-oberon!smeagol!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x3171 156/224)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple IIe/IIc vs IBM PC for Children
Message-ID: <773@jplgodo.UUCP>
Date: Mon, 28-Apr-86 15:18:05 EDT
Article-I.D.: jplgodo.773
Posted: Mon Apr 28 15:18:05 1986
Date-Received: Fri, 2-May-86 23:09:49 EDT
References: <153@rruxa.UUCP>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 41
Xref: watmath net.micro:14476 net.micro.apple:2727
Summary: try the Apple //e

In article <153@rruxa.UUCP>, gwl@rruxa.UUCP (George W. Leach) writes:
>   I am in need of some assistance. I am aiding some friends in
> selecting a microcomputer to purchase for their children's educational
> needs. The children are in grades 1 and 5. At their school they use
> the Apple IIe for Logo (with Sprite Board for animation) and the Bank
> Street Writer (128k Version). Starting in the 9th grade the students
> begin to use Wordstar. From grades 7-12 they will have an option to
> work with the Apple IIe, IBM PC or on timesharing system.
>
>   First, neglecting the extra cost, are there any reasons why
> we should consider an IBM PC over one of the Apples for this purpose?
> There really is no need for a hard disk. The older child is comfortable
> with the Apple at school and will not even have the opportunity to use
> an IBM PC at school for several years.

I know of no good reason for choosing the IBM PC over the Apple //e for home
use except that a lot of people have to have a "name brand". There is a lot
of software for the //e already available, and from what you just said, the
kids are already familiar with it. The //e is more than capable of handling
any of the home computer applications you might have.

>   Second, given that we go with an Apple, can the IIc provide
> enough resources to support our requirements? Is there an expansion
> capability with the IIc to handle a Sprite Board? What about the
> memory capacity?

The expansion capabilities for the //c are rather limited compared to the //e. Why do you want the //c instead of the //e? You *can* add extra memory to the //e (up to a megabyte--just buy a card and plug it in; if the program you are using can use it it will). Obviously, a sprite board can be added to the //e (the school has one). You can also get a card that allows you to run Wordstar on the //e (I have such a card on mine). Although you don't want a hard disk now, such a thing can be added to the //e (and the //c I think) later if you change your mind.
--

...smeagol\ Steve Schlaifer
.....wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....group3/ 4800 Oak Grove Drive, M/S 156/204
Pasadena, California, 91109
+1 818 354 3171

From 366336125515324740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c62abf829ccb1dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-28 20:00:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!panda!genrad!decvax!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Download a font to the C. Itoh Prowriter (source & info)
Message-ID: <3252@reed.UUCP>
Date: Mon, 28-Apr-86 23:00:23 EDT
Article-I.D.: reed.3252
Posted: Mon Apr 28 23:00:23 1986
Date-Received: Fri, 2-May-86 21:24:43 EDT
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net.micro.apple
Organization: Reed College, Portland, Oregon
Lines: 148

Ok. Here's how it goes. I had to put the computer in 80 column mode in order for my interface card not to output a space after a control character.

Next, I had to use a machine language sub to output the characters concerning addressing. Applesoft only puts out characters with their high bits set.

Then I had to tell my interface card to leave the high bit alone (not set it high).

I also had to set the interface cards intercept character to a byte unused in the whole download sequence. That could be tough...For now I use the interface for character output. I might have to write directly to the port...

Now you know about what I know... I'll have to talk to C. Itoh again and get some more detailed information. This should be enough to get things going. I should say two things. One, C. Itoh said that it would be silly to try to download characters without a TMM2016 (2K RAM chip) installed, because you'd only have enough room to download one or two characters.

Second, the printer has a "transparant" mode, which means it prints out the hex bytes it recieves. This is very handy for debugging, and I couldn't have down it with out it. Almost all printers have it, usually not documented. The Imagewriter has it, as well as the Imagewriter II. The Prowriter and Imagewriter (both by C. Itoh) go into transparant mode when they are turned on with the line feed button held down. The IW2 goes into it when it's turned on with the select button held down.. but anyway, here is a hex dump what the printer should get with this applesoft program. (at least, it's what I got, and it worked:-)

Before I go, here's a final note. You should get four downloaded characters, then a lot of black. That's because the rest of the charactes are $FF. Here's the standard mapping:

1	1
2	2
3	4
4	8
5	16
6	32
7	64
8	128

So the third downloaded file looks like this (this is what they gave me):

X X X X X X X X	1
O O O O O O O X	2
X X X X X X O X	4
X O O O O X O X	8
X O X O O X O X	16
X O X X X X O X	32
X O O O O O O X	64
X X X X X X X X	128

X=1=DOT O=0=NO DOT Value of row

simple huh?

this is what I got when I put the printer in transparant mode and ran the program:

8D 8A 8D 8A 1B 5E 70 70 70 74 0E 7F FF 00 1B 5E 7F E0 7F F8
41 22 14 08 08 08 08 08 FF 83 85 89 91 A1 C1 FF FD 85 B5 A5

```
A5 BD 81 FF 1B 5E 70 85 70 89 00 00 E1 7E 8D 8A 9B A4 8D 8A --XX
C4 CF D7 CE CC CF C1 C4 A0 C3 C8 C1 D2 C1 C3 D4 C5 D2 A0 D3
C5 D4 8D 8A 9B A7 8D 8A 20 21 22 23 24 25 26 27 28 29 2A 2B
2C 2D 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F
40 41 42 43 44 45 46 47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53
54 55 56 57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 64 65 66 67
68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 74 75 76 77 78 79 7A 7B
7C 7D 7E 9B A4 8D 8A CE CF D2 CD C1 CC A0 C3 C8 C1 D2 C1 C3
D4 C5 D2 A0 D3 C5 D4 8D 8A 20 21 22 23 24 25 26 27 28 29 2A
2B 2C 2D 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E
3F 40 41 42 43 44 45 46 47 48 49 4A 4B 4C 4D 4E 4F 50 51 52
53 54 55 56 57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 64 65 66
67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 74 75 76 77 78 79 7A
7C 7D 7E 8D 8A
```

that's it.
It really doesn't matter after the --XX as that is simply there to
display the total character set. Have fun. It took me two days and
half a ream of paper...sigh

Sean Kamath

ihnp4,decvax,ucbcad,teneron!tektronix!reed!kamath

```
-----Cut----Cut----Cut----Cut----Cut----Cut----Cut----Cut----Cut----Cut----
 0  PRINT : PRINT : PRINT  CHR$ (4);"PR#3"
 1  REM  FIRST A MACHINE LANGUAGE PROGRAM TO OUTPUT CHARACTER
 2  REM  UNTOUCHED BY APPLESLOTH
 4  INPUT A: REM THIS WAS TO MAKE SURE I GOT IN 80 COLUMN MODE
 10  DATA  173,255,2,32,237,253,96
 20  FOR X = 768 TO 774: READ A: POKE X,A: NEXT
 21 D$ =  CHR$ (4)
 30  REM  TURN ON PRINTER
 31  PRINT D$;"PR#1"
 32  PRINT  CHR$ (9);"H":REM ALLOW HIGH BIT TO PASS UNCHANGED
 33  PRINT  CHR$ (9); CHR$ (30):REM CHANGE INTERFACE COMMAND CHAR
 40  REM
 41  REM  ADDRESS TO STORE BEGINNING ADDRESS OF CG AREA & LENGTH ($7070-$7074)
 42  REM  END ADDRESS -1 = $7F0E
 43  REM  LENGTH OF BUFFER = $00FF
 44  REM  HIGH BYTE FIRST FOR END ADDRESS AND LENGTH
 45  DATA  27,94,112,112,112,116,14,127,255,0
 46  REM  ESC ^ $70 $70 $70 $74 $0E $7F $FF $00
 50  REM  BEGINNING OF CHARACTER BUFFER AT $7FE0, END $7FF8
 51  DATA  27,94,127,224,127,248
 52  REM  ESC ^ $7F $E0 $7F $F8
 60  REM
 61  REM  DATA FOR THE FIST CHARACTER
 62  DATA  65,34,20,8,8,8,8,8
 63  REM  $41 $22 $14 $08 $08 $08 $08 $08
 64  REM
 65  REM  DATA FOR SECOND CHARACTER
```

```
 66  DATA  255,131,133,137,145,161,193,255
 67  REM  $FF $83 $85 $89 $91 $A1 $C1 $FF
 68  REM
 69  REM  DATA FOR THIRD CHARACTER
 70  DATA  253,133,181,165,165,189,129,255
 71  REM  $FD $85 $B5 $A5 $A5 $BD $81 $FF
 80  REM  $7085-$7087 START ADDRESS OF PROPORTIONAL FONT POINTER
 81  REM  $7087-$7089 START ADDRESS OF NORMAL FONT POINTER
 82  REM  PROPORTIONAL TABLE POITNER TO $0000
 83  REM  NORMAL TABLE POINTER TO $7EE1
 84  DATA   27,94,112,133,112,137,0,0,225,126
 85  REM   ESC ^ $70 $85 $70 $89 $00 $00 $E1 $7E
 90  REM  $77EC IS THE BEGINNING OF THE PROPORTIONAL FONT TABLE
 91  REM  $77E4 IS THE BEGINNING OF THE NORMAL FONT TABLE
 92  REM  WHY THEY TELL YOU THIS IS BEYOND ME!
 100  FOR X = 1 TO 50: READ A: POKE 767,A: CALL 768: NEXT
 101  REM  READ ALL DATA STATEMENTS, SEND 'EM OUT
 105  PRINT  CHR$ (30); CHR$ (9):REM CHANGE BACK TO ^I
 110  PRINT  CHR$ (27);"$": REM  NORMAL MODE
 120  PRINT "DOWNLOAD CHARACTER SET"
 130  PRINT  CHR$ (27);"'": REM  SET TO DOWNLOADED SET
 140  FOR I = 32 TO 126: POKE 767,I: CALL 768: NEXT I
 150  PRINT  CHR$ (27);"$": PRINT "NORMAL CHARACTER SET"
 160  FOR I = 32 TO 126: POKE 767,I: CALL 768: NEXT I
 165  PRINT
 170  PRINT D$;"PR#0"
 180  END
```

```
From -3553530384615988882
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,621d2ca4a16b537a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-28 20:46:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!rti-sel!jb
From: jb@rti-sel.UUCP (Jeff Bartlett)
Newsgroups: net.micro.apple
Subject: Re: Request for Pascal Reviews for ][ (v long)
Message-ID: <795@rti-sel.UUCP>
Date: Mon, 28-Apr-86 23:46:14 EDT
Article-I.D.: rti-sel.795
Posted: Mon Apr 28 23:46:14 1986
Date-Received: Fri, 2-May-86 20:45:45 EDT
References: <254@bucsb.UUCP>
Organization: Research Triangle Institute, NC
Lines: 130

> In message <527@unirot.UUCP> halloran@unirot.UUCP (Bob Halloran) writes:
> >My wife is a high school teacher who has been put in charge of the
> >new computer lab.  She is now working up her purchase requests for
> >the next school year.  She wants to purchase Pascal, but wants to
> >know which will be the 'best' for students starting out.  My Apple
```

> >experience is insufficient to be of help.
> >
> >Any opinions on good versions of Pascal for a school environment?
> >Apple-native, please, they don't have Z-80 cards and the additional
> >expense would rule any CP/M versions out.
>

With over 50,000 lines of Apple Pascal under my belt, I recommend it for
learning pascal and developmental work.

> While I have only used one Pascal version for native Apple][, I
> can give you a recommendation for it and my experiences with it.
>
> Apple's own Pascal is a UCSD Pascal. It has its own editor which is
> at least decent (I only used it for a little while, but I had no
> trouble with it). The compiler is rather slow, but works fine. There
> are a number of problems you have to think about, however:
>
> This Pascal does not operate under DOS 3.3 or ProDOS. It uses a
> strange 512-byte sector format and I couldn't even get it to drop
> me to a command level. THIS IS NOT REALLY BAD! More on this later.

Floppys are formmated as volumes that hold 77 files in 280 blocks. File
space is allocated contiguously. This enhances data access time.
Dos and Prodos have scattered allocation.

There is no command line level.

> The environment is completely menu-driven, which annoyed me but
> was still not too much of an annoyance.

In the simplest mode of development the keystokes 'qur' will exit the editor,
save your work, compile the program and execute it. 'e' will re-edit the
file.

When an compilation error occurs, you have the option of continuing or
editing the file at the exact place of the error. Once inside the editor,
a more verbose form of the error message appears.

By using the 'setup' program, you can set the 'student' global flag which
forces the path to the editor after an error.

>
> The only serious problems/annoyances come if you are using a][or
>][+. You NEED 64K (//e //c or][ ][+ w/ language card) to run this.
> You also want an 80 column card (I don't remember which cards it
> supports, so check this--Apples' own worked, of course) because other-
> wise you get to flip between two 40 column screens. This works, but

Apple's, Videx, SuprTerm, etc..... work.
I avoid 40 column mode like the plague.

> it still a pain. The last problem I had resulted in needing two

> disk drives. You definitely need two of them. The program uses a
> LOT of stuff on diskette. We managed to get it to do things on a
> single drive, but not well, so if you want to use this, make sure you
> have that extra drive. This high disk usage brings up another problem.

Single drive pascal is no fun.
Two drive pascal works, but the compiler is slow.
Four drive pascal, works, more space but still slow.
I recommend a hard-disk.

For a single station the Sider for ~<$700 would be the best for the money.
     I haven't worked with one, but the ads suggest it works with pascal.

For multiple stations, I stand by Corvus.
     I've used a 5 meg drive, and 3-20 meg drives.
          The 5 meg was bought in '82, and is still in service.
          The 20 meg drives have had some problems, but I find that
               a mean time before failure of 1.5 years acceptable.
          Three of the drives have been transported over 25,000 miles by car.
          Failures include:
               media fatality (oxide flaked off due to vibration ;-) ,etc)
               connector failure (teardown/putup equipment twice a week
                    for a couple years)
               Directory was updated while the media spundown during a brownout.
          No failure of electronics.

     I've used a 3 station configuration of Omninet (old version), no problems.

     A new 2 station OmniNet system, with a 20 meg OmniDrive, arrived but
          I haven't had time to work with it much.

     As for field service, No complains. Once there was a slip-up in their
          shipping department, an invoice got lost on somebody's desk.
          We contacted them, one of the managers found it late in the afternoon.
          We picked it up at 5am the next morning at the airport on the east
               coast.

> It is VERY standard. I could not find a single thing that was not
> implemented on this version that was in standard Pascal. There were
> a number of extras that took advantage of the Apples' graphics.

They have units that allow you to 'chain' from one application to another.

>
> The compiled code was not as fast as native code would be. It compiles
> into a heavily tokenized form that still runs considerably faster than
> Applesoft, using equivalent code.

P-code is very dense. You can get alot of program functionality in 64k.
Also applications can have their program units (modules) swap in from disk
only when needed.   I have running programs that take up over 90k of
disk space.

> by now. You already said that you weren't interested in anything that
> used CP/M cards or the like. It may be that this Pascal is still ex-
> pensive enough that the purchase of a CP/M card as well as Turbo
> Pascal would be competitively priced. If this is the case, I would
> recommend doing this above buying the Apple Pascal. Otherwise, this
> is a useable version.

Enhancement Technologies Corp. (ETC) has a 68000 board that runs version 4.?
of the UCSD-p system.   PDQ they call it. Speeds up applesoft also.

> : Jim Frost   : "You just gotta smile through it"   :

Jeff Bartlett
Now with:
     Research Triangle Institute
     Center for Digital Systems Research
     RTP, NC.

{back-bone} mcnc!rti-sel!jb

From 6112274546219286271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,80e50449781e470d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-28 20:57:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!talcott!panda!genrad!decvax!ittatc!
dcdwest!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: DCOM vt100 emulator //c problem (maybe) and VIDEX driver message.
Message-ID: <2555@sdcc6.UUCP>
Date: Mon, 28-Apr-86 23:57:11 EDT
Article-I.D.: sdcc6.2555
Posted: Mon Apr 28 23:57:11 1986
Date-Received: Fri, 2-May-86 21:14:53 EDT
Organization: UC San Diego EE/CS Department.
Lines: 33
Keywords: vt100 VIDEX //c

Amid reports of success stories using DCOM 3.2x on Apple //c's,
two people have reported that a problem exists. Here is a letter:

But, when connected, the first column of characters is still thrown
out. I managed to get through to the net here at Tech one time,
but when I typed my command and it connected here to the Pyramid,
the program started sending out an inverse line up the left side
of the screen and no commands worked.

It had done this earlier before dialing, if I had reset things by
turning the modem on and off. (the command to do this normally, "atz"

didn't work because after one time, it froze the screen - in fact, it
returned the "k" of the "ok" reply, which means that the program is
also cutting off the first column when it is only local.)

If ANYONE has had this problem, please send mail. If anyone has had
this problem and FIXED it, please send mail.   I would like to have
this solved before the next distribution.

VIDEX 80 COLUMN CARD DRIVER:
   The videx screen driver is in it's final testing stages, as well
   as a keyboard driver that can use a non-lowercase keyboard (with
   the shift key mod) on real early]['s and][+'s.

Thanks for the help!

-Jim Hayes, UCSD

ARPA: hayes@UCSD.ARPA
UUCP: {ucbvax, ihnp4, decvax, etc...}!sdcsvax!hayes

From 8848483507690303508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8acab427f2e0024e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-29 05:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!vrdxhq!verdix!ogcvax!omssw2!reed!
tektronix!hplabs!hpda!hpisoa2!hpitg!rti-sel!jb@rti-sel
From: jb@rti-sel
Newsgroups: net.micro.apple
Subject: Re: Request for Pascal Reviews for]
Message-ID: <795@rti-sel>
Date: Tue, 29-Apr-86 08:46:00 EDT
Article-I.D.: rti-sel.795
Posted: Tue Apr 29 08:46:00 1986
Date-Received: Wed, 14-May-86 05:38:24 EDT
Lines: 132

Subject: Re: Request for Pascal Reviews for][(v long)

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> This Pascal does not operate under DOS 3.3 or ProDOS. It uses a
> strange 512-byte sector format and I couldn't even get it to drop
> me to a command level. THIS IS NOT REALLY BAD! More on this later.

Floppys are formmated as volumes that hold 77 files in 280 blocks. File
space is allocated contiguously. This enhances data access time.
Dos and Prodos have scattered allocation.

There is no command line level.

> The environment is completely menu-driven, which annoyed me but
> was still not too much of an annoyance.

In the simplest mode of development the keystokes 'qur' will exit the editor,
save your work, compile the program and execute it. 'e' will re-edit the
file.

When an compilation error occurs, you have the option of continuing or
editing the file at the exact place of the error. Once inside the editor,
a more verbose form of the error message appears.

By using the 'setup' program, you can set the 'student' global flag which
forces the path to the editor after an error.

>
> The only serious problems/annoyances come if you are using a][or
>][+. You NEED 64K (//e //c or][ ][+ w/ language card) to run this.
> You also want an 80 column card (I don't remember which cards it
> supports, so check this--Apples' own worked, of course) because other-
> wise you get to flip between two 40 column screens. This works, but

Apple's, Videx, SuprTerm, etc..... work.
I avoid 40 column mode like the plague.

> it still a pain. The last problem I had resulted in needing two
> disk drives. You definitely need two of them. The program uses a
> LOT of stuff on diskette. We managed to get it to do things on a
> single drive, but not well, so if you want to use this, make sure you
> have that extra drive. This high disk usage brings up another problem.

Single drive pascal is no fun.
Two drive pascal works, but the compiler is slow.
Four drive pascal, works, more space but still slow.
I recommend a hard-disk.

For a single station the Sider for ~<$700 would be the best for the money.
     I haven't worked with one, but the ads suggest it works with pascal.

For multiple stations, I stand by Corvus.
     I've used a 5 meg drive, and 3-20 meg drives.
          The 5 meg was bought in '82, and is still in service.
          The 20 meg drives have had some problems, but I find that
               a mean time before failure of 1.5 years acceptable.
          Three of the drives have been transported over 25,000 miles by car.
          Failures include:
               media fatality (oxide flaked off due to vibration ;-) ,etc)
               connector failure (teardown/putup equipment twice a week
                    for a couple years)
               Directory was updated while the media spundown during a brownout.
          No failure of electronics.

     I've used a 3 station configuration of Omninet (old version), no problems.

     A new 2 station OmniNet system, with a 20 meg OmniDrive, arrived but
          I haven't had time to work with it much.

     As for field service, No complains. Once there was a slip-up in their
          shipping department, an invoice got lost on somebody's desk.
          We contacted them, one of the managers found it late in the afternoon.
          We picked it up at 5am the next morning at the airport on the east
               coast.

> It is VERY standard. I could not find a single thing that was not
> implemented on this version that was in standard Pascal. There were
> a number of extras that took advantage of the Apples' graphics.

They have units that allow you to 'chain' from one application to another.

>
> The compiled code was not as fast as native code would be. It compiles
> into a heavily tokenized form that still runs considerably faster than
> Applesoft, using equivalent code.

P-code is very dense. You can get alot of program functionality in 64k.
Also applications can have their program units (modules) swap in from disk
only when needed.   I have running programs that take up over 90k of
disk space.

> by now. You already said that you weren't interested in anything that
> used CP/M cards or the like. It may be that this Pascal is still ex-
> pensive enough that the purchase of a CP/M card as well as Turbo
> Pascal would be competitively priced. If this is the case, I would
> recommend doing this above buying the Apple Pascal. Otherwise, this

> is a useable version.

Enhancement Technologies Corp. (ETC) has a 68000 board that runs version 4.?
of the UCSD-p system. PDQ they call it. Speeds up applesoft also.

> : Jim Frost   : "You just gotta smile through it"   :

Jeff Bartlett
Now with:
     Research Triangle Institute
     Center for Digital Systems Research
     RTP, NC.

{back-bone} mcnc!rti-sel!jb

From -3737227595778363205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,156425d4d9b07895
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-04-30 15:54:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site alliant.UUCP
Path: utzoo!linus!alliant!werme
From: werme@alliant.UUCP (Eric Werme)
Newsgroups: net.micro.apple
Subject: Re: imagewriter // (help?)
Message-ID: <236@alliant.UUCP>
Date: Wed, 30-Apr-86 18:54:55 EDT
Article-I.D.: alliant.236
Posted: Wed Apr 30 18:54:55 1986
Date-Received: Thu, 1-May-86 04:26:20 EDT
References: <3175@reed.UUCP>
Reply-To: werme@alliant.UUCP (Eric werme)
Distribution: net.micro.apple
Organization: Alliant Computer Systems, Acton, MA
Lines: 9
Keywords: Imagewriter, Super Serial Card
Summary:

I have a Apple][+ in [sort of] network involving a Commodore 64, Heath
H89 and another CP/M system. The biggest headache I had was trying to
figure out the [not-so] Super Serial card. What saved me days of time
was essentially to give up on its ROM. I call ROM routines to intialize
the port, from from there on out I do everything by talking directly to
the uart. Your problems sound like the sort of thing that convinced me
to roll my own. Talking to the uart only takes a little code, so that
shouldn't make your driver too much bigger.

From -5068493474745912973
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,156425d4d9b07895
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-01 00:54:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!hplabs!hpda!hpisoa2!hpitg!alliant!werme@alliant
From: werme@alliant
Newsgroups: net.micro.apple
Subject: Re: imagewriter // (help?)
Message-ID: <236@alliant>
Date: Thu, 1-May-86 03:54:00 EDT
Article-I.D.: alliant.236
Posted: Thu May 1 03:54:00 1986
Date-Received: Tue, 13-May-86 01:25:16 EDT
References: <3175@reed>
Lines: 9

I have a Apple][+ in [sort of] network involving a Commodore 64, Heath
H89 and another CP/M system. The biggest headache I had was trying to
figure out the [not-so] Super Serial card. What saved me days of time
was essentially to give up on its ROM. I call ROM routines to intialize
the port, from from there on out I do everything by talking directly to
the uart. Your problems sound like the sort of thing that convinced me
to roll my own. Talking to the uart only takes a little code, so that
shouldn't make your driver too much bigger.

From -2960449359222289745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f3d7c18002796aa
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,3f3d7c18002796aa
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-05-01 06:13:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!hplabs!utah-cs!halff
From: halff@utah-cs.UUCP (Henry M. Halff)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple IIe/IIc vs IBM PC for Children
Message-ID: <3772@utah-cs.UUCP>
Date: Thu, 1-May-86 09:13:21 EDT
Article-I.D.: utah-cs.3772
Posted: Thu May 1 09:13:21 1986
Date-Received: Sat, 3-May-86 19:12:06 EDT
References: <153@rruxa.UUCP> <773@jplgodo.UUCP>
Organization: Halff Resources, Inc.
Lines: 24
Xref: watmath net.micro:14492 net.micro.apple:2729
Summary: You can add memory to a //c But not a Sprite board

In article <773@jplgodo.UUCP>, steve@jplgodo.UUCP (Steve Schlaifer x3171 156/224)
writes:

> In article <153@rruxa.UUCP>, gwl@rruxa.UUCP (George W. Leach) writes:
> >   Second, given that we go with an Apple, can the IIc provide
> > enough resources to support our requirements? Is there an expansion
> > capability with the IIc to handle a Sprite Board? What about the
> > memory capacity?
>
> The expansion capabilities for the //c are rather limited compared to the //e.
> Why do you want the //c instead of the //e? You *can* add extra memory to the
> //e (up to a megabyte--just buy a card and plug it in; if the program you are
> using can use it it will). Obviously, a sprite board can be added to the //e

It is possible to add memory to a //c. Apple provides up to a meg, and
you might be able to get more from a third party vendor. But there is
no way that you can add a sprite board to a //c. If your kids are
interested in science, there are some really exciting and reasonably
priced interfaces (thermometers, etc.) for a //e that could probably not
be accomodated by a //c. (I can check on this if you like.) On the
other hand, the //c is portable and ideal for an environment where food
and other gooey stuff is around. The keyboard has a membrane underneath
the keys to protect the unit from spills.
--
Henry M. Halff   Halff Resources, Inc.
halff@utah-cs.ARPA   4918 33rd Road, N., Arlington, VA 22207

From 1220605390659925713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b8d2e95bf376b73,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-01 12:18:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
unirot!halloran
From: halloran@unirot.UUCP (Bob Halloran)
Newsgroups: net.micro.apple
Subject: Followup: Pascal for][e's
Message-ID: <562@unirot.UUCP>
Date: Thu, 1-May-86 15:18:27 EDT
Article-I.D.: unirot.562
Posted: Thu May 1 15:18:27 1986
Date-Received: Sun, 4-May-86 04:36:00 EDT
Organization: Public Access Un*x, Piscataway NJ (The Soup Kitchen)
Lines: 36
Keywords: pascal

Thanks to all who provided information on Pascal's for the][. Special
thanks to Jeff Bartlett (jb@rti-sel) for combining some reviews into
a consolidated overview.

Remaining questions:

     Anyone have experience with Apple's new 'Instant Pascal'?
Any benefits/drawbacks over UCSD, etc.?

Differences between 'Apple Pascal' and the version currently being marketed by Pecan, who I gather bought rights to UCSD from SofTech?

Many respondents have spoken well of Kyan Pascal. How complete is the version? In teaching the language, particularly for the Advanced Placement test, emphasis is placed on pointer manipulation. This is apparently a sore point for some Apple Pascals.

The systems being used are][e's with 128K/80 column cards, single drive. No networking or hard drives. Does this work against UCSD, which I gather works poorly in a single-floppy environment.

For those suggesting that a second drive + Z80 card + Turbo might be cost-effective vs. Apple Pascal, remember that as a school, they will get substantial discounting (I believe in the range of 40%) over the 'list' price.

Thanks again to all for their time.

Robert Halloran, Consultant
==========
UUCP: ..topaz!caip!unirot!halloran
USPS: 19 Culver Ct, Old Bridge NJ 08857 Ph: (201) 251-7514
Disclaimer: Any opinions are due solely to line noise.
Quote: "When the going gets weird, the weird turn pro..." -- Hunter Thompson

From 6783803817155267428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52ddd75d9af4799c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-03 20:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!convex!mcomp!p40001
From: p40001@mcomp.UUCP
Newsgroups: net.micro.apple
Subject: Apple Serial Connector Information
Message-ID: <10100003@mcomp>
Date: Sat, 3-May-86 23:04:00 EDT
Article-I.D.: mcomp.10100003
Posted: Sat May 3 23:04:00 1986
Date-Received: Thu, 8-May-86 21:09:01 EDT
Lines: 407
Nf-ID: #N:mcomp:10100003:000:10965
Nf-From: mcomp.UUCP!p40001 May 3 22:04:00 1986

I'm not sure this is still needed, but here is the trash line.

During the last few weeks I have come across numerous requests for
information about Apple's serial connectors, both on this network
and on others (BIX, Genie, etc.).
I had started compiling a list of Apple's connectors a while ago, but had not
got very far. Then the latest issue of A+ magazine arrived, and there
was all the info I needed.
The following is a list of Apple Serial Connector Pin Assignments,
as well as a chart listing the major Apple cables and how they are
configured.
If you have any questions about connecting your Apple to some peripheral
device, I encourage you to get that magazine. More info at the end of
this file.

Wolf N. Paul
{convex, texsun, infoswx}!mcomp!p40001
BIX: wnp
USPS: 290 Dogwood, Plano, TX 75075.

****
* APPLE PIN ASSIGNMENTS *
****

Listing the pin assignments and signal names of
Apple computer and peripheral connectors.

Pins not listed are not connected, unless otherwise noted.

A. RS-232 Interfaces

SUPER SERIAL CARD -- DB25

1	Frame Ground
2	Transmit Data (TXD)
3	Receive Data (RXD)
4	Request to Send (RTS)
5	Clear to Send (CTS)
6	Data Set Ready (DSR)
7	Signal Ground (GND)
8	Data Carrier Detect (DCD)
19	Secondary Clear to Send (SCTS)
20	Data Terminal Ready (DTR)

APPLE //C SERIAL PORTS (both) -- DIN 5-pin

1	Data Terminal Ready (DTR)
2	Transmit Data (TXD)
3	Signal Ground (GND)
4	Receive Data (RXD)
5	Data Set Ready (DSR)

APPLE MODEM 300/1200 -- DB9

2   Data Set Ready (DSR)
3   Signal Ground (GND)
5   Receive Data (RXD)
6   Data Terminal Ready (DTR)
7   Data Carrier Detect (DCD)
8   Frame Ground
9   Transmit Data (TXD)

APPLE PERSONAL MODEM -- Mini-DIN 8-pin
---
1   Data Set Ready (DSR)
2   Data Terminal Ready (DTR)
3   Receive Data (RXD)
4   Signal Ground (GND)
5   Transmit Data (TXD)
6   Signal Ground (GND)
7   Data Carrier Detect (DCD)

LASERWRITER -- DB25

(See RS-422 section below for LaserWriter DB-9 Connector)
1   Frame Ground
2   Transmit Data (TXD)
3   Receive Data (RXD)
4   Ready to Send (RTS)
7   Signal Ground (GND)
20 Data Terminal Ready (DTR)

IMAGEWRITER I -- DB25

(See RS-422 section below for ImageWriter II Connector)
1   Frame Ground
2   Transmit Data (TXD)
3   Receive Data (RXD)
4   Request to Send (RTS)
7   Signal Ground (GND)
14 Fault
20 Data Terminal Ready (DTR)

APPLE SCRIBE PRINTER -- DB25
---
1   Frame Ground
2   Transmit Data (TXD)
3   Receive Data (RXD)
4   Request to Send (RTS)
7   Signal Ground (GND)
20 Data Terminal Ready (DTR)

APPLE DAISYWHEEL PRINTER -- DB25
---
1   Frame Ground
2   Transmit Data (TXD)
3   Receive Data (RXD)

4   Request to Send (RTS)
5   Clear to Send (CTS)
6   Data Set Ready (DSR)
7   Signal Ground (GND)
8   Data Carrier Detect
20 Data Terminal Ready (DTR)

B. RS-422 INTERFACE
==========

MACINTOSH SERIAL PORTS -- DB9

(Old Mac 128/512)
1   Frame Ground
2   +5V *See note below
3   Signal Ground (GND)
4   Tansmit Data (TXD+)
5   Transmit Data (TXD-)
6   +12V *See note below
7   Handshake
8   Receive Data (RXD+)
9   Receive Data (RXD-)
*Note: Apple Computer does not recommend
using these voltages to power external devices.

MACINTOSH PLUS SERIAL PORTS -- Mini DIN 8-pin
---
1   Handshake Output (HSKo +12V)
2   Handshake Input (HSKi)
3   Transmit Data (TXD-)
4   Frame Ground
5   Receive Data (RXD-)
6   Transmit Data (TXD+)
8   Receive Data (RXD+

IMAGEWRITER II -- Mini DIN 8-pin
---
1   Data Terminal Ready (DTR)
2   Data Set Ready (DSR)
3   Transmit Data (TXD-)
4   Signal Ground (GND)
5   Receive Data (RXD-)
6   Transmit Data (TXD+)
8   Receive Data (RXD+)

LASERWRITER -- DB9

(See RS-232 section above for LaserWriter DB-25 Connector)
1   Ground (GND)
3   Ground (GND)
4   Transmit Data (TXD+)
5   Transmit Data (TXD-)

8   Receive Data (RXD+)
9   Receive Data (RXD-)

C. SCSI INTERFACE
==========

MACINTOSH PLUS SCSI PORT -- DB25

CAUTION: Do not confuse this connector with
a RS-232 Interface connector!!
1   Request (REQ-)
2   Message (MSG-)
3   I/O-
4   Reset (RST-)
5   Acknowledge (ACK-)
6   Busy (BSY-)
7   Ground (GND)
8   Data Line 0 (DB0-)
9   Ground (GND)
10 Data Line 3 (DB3-)
11 Data Line 5 (DB5-)
12 Data Line 6 (DB6-)
13 Data Line 7 (DB7-)
14 Ground (GND)
15 Carrier Detect (C/D-)
16 Ground (GND)
17 Attention (ATN-)
18 Ground (GND)
19 Select (SEL-)
20 Parity (DBP-)
21 Data Line 1 (DB1-)
22 Data Line 2 (DB2-)
23 Data Line 4 (DB4-)
24 Ground (GND)

Note: The SCSI port uses -5V logic levels;
the minus sign in the signal names indicates
negative signal voltage levels.

****
* APPLE CABLE GUIDE *
****

ABBREVIATIONS:

SSC = Super Serial Card; 2CS = //c Serial Ports;
IWR = Image Writer I; IWR2 = Image Writer II;
LWR = Laser Writer; DWP = Apple Daisywheel Printer
MDM = Modem 300/1200; PMDM = Personal Modem;
MAC = Macintosh 128/512; MAC+ = Macintosh Plus

In the following cable descriptions, which are identified as
"Device 1 => Device 2", each group of two numbers indicates a pin on Device 1

and a pin on Device 2 which need to be connected.
I.e., in "SSC => IWR", the notation "1-1" means "connect pin 1 on the SSC
to pin 1 on the IWR".

A. APPLE][,][+, //e CABLES
---

1. SSC => IWR (Apple Cable # 590-0037) (See note 1)
(DB25 => DB25)
1-1, 13-13, 19-19, 23-23.

2. SSC => IWR2 (Apple Cable # 590-0335) (See note 1)
(DB25 => Mini DIN 8-pin)
1-20, 2-8, 3-2, 4-7, 5-3, 8-7.
Jumper pins 8 & 6 on DB-25 connector.

3. SSC => LWR (no Apple cable available) (See notes 1, 2)
(DB25 => DB25)
1-1, 2-2, 3-3, 7-7.

4. SSC => DWP Identical to #1, SSC => IWR

5. SSC => MDM (Apple Cable # 590-0212) (See note 3)
(DB25 => DB9)
6-2, 7-3, 3-5, 20-6, 8-7, 1-8, 2-9.
Jumper pins 8 & 5 on DB-25 connector.

6. SSC => PMDM (Apple Cable # 590-0331) (See note 3)
(DB25 => Mini DIN 8-pin)
8-1, 20-2, 3-3, 7-4, 2-5, 7-8.
Jumper pins 8 & 6 on DB-25 connector.

7. SSC => MAC (Apple Cable # 590-0169) (See note 3)
(DB25 => DB9)
1-1, 3-7, 5-3, 7-20, 9-2.

B. APPLE //c CABLES
---

8. A2C => IWR (Apple Cable # 590-0191)
(DIN 5-pin => DB25)
1-6, 2-3, 3-7, 4-2, 5-20.

9. A2C => IWR2 (Apple Cable # 590-0333)
(DIN 5-pin => Mini DIN 8-pin)
1-1, 5-2, 2-3, 3-4, 4-5, 3-8.

10. A2C => DWP (Identical to #8, A2C => IWR)

11. A2C => MDM (Apple Cable # 590-0192)
(DIN 5-pin => DB9)
1-6, 2-9, 3-3, 4-5, 5-2.
Jumper pins 3 & 8 on DB-9 connector.

12. A2C => PMDM   (Identical to #9, A2C => IWR2)

C. MACINTOSH CABLES
---

13. MAC => IWR   (Apple Cable # 590-0169)
   (DB9 => DB25)
    1-1, 3-7, 5-3, 7-20, 9-2.

14. MAC => IWR2   (Apple Cable # 590-0332)
   (DB9 => Mini DIN 8-pin)
    1-7, 2-6, 3-9, 4-1, 5-5, 6-8, 7-7, 8-4.

15. MAC => MDM   (Apple Cable # 590-0197)
   (DB9 => DB9)
    3-3, 5-9, 6-6, 7-7, 8-8, 9-5.
    Jumper pins 3 & 8 on both ends.

16. MAC => PMDM   (Identical to # 14, MAC => IWR2)

17. MAC => Generic Modem (No Apple Cable available)
   (DB-9 => DB25)
    1-1, 3-7, 5-2, 7-20, 9-3.
    Jumper pins 3 & 8 on DB-9 connector.

D. MACINTOSH PLUS CABLES
---

18. MAC+ => IWR   (No Apple Cable available)
   (Mini DIN 8-pin => DB25)
    2-20, 3-3, 4-1, 5-2, 8-7.

19. MAC+ => IWR2   (Apple Cable # 590-0340)
   (Mini DIN 8-pin => Mini DIN 8-pin)
    1-2, 2-1, 3-5, 4-4, 5-3, 6-8, 7-7, 8-6.

20. MAC+ => MDM   (No Apple Cable available)
   (Mini DIN 8-pin => DB9)
    1-6, 2-7, 3-9, 4-3&8, 5-5, 8-7.

21. MAC+ => PMDM   (Identical to # 19, MAC+ => IWR2)

22. MAC+ => Generic Modem (No Apple Cable available)
   (Mini DIN 8-pin => DB25
    1-20, 4-7, 3-2, 2-5, 5-3.

E. SPECIAL
---

23. DB25 => DB25 Modem Eliminator Cable (Apple Cable # 590-0166)
    1-1, 2-3, 3-2, 4&5-8, 6-20, 7-7, 8-4&5, 20-6.

24. Mini DIN 8-pin => DB-9 Adapter (Apple Cable # 590-0341)
    1-6, 2-7, 3-5, 4-3, 5-9, 6-4, 8-8.
    Jumper pins 1 & 3 on DB-9 connector.

NOTES:
------

1. The SSC must be in PRINTER mode: triangle on jumper block pointing towards
   TERMINAL, SW1-5 off, SW1-6 on.

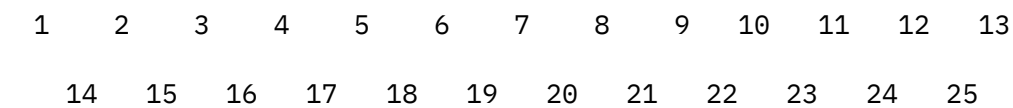
2. Requires Xon/Xoff handshaking. SSC SW1-4,6,7 on; SW2-1,4 on.

3. The SSC must be in COMMUNICATIONS mode: triangle on jumper block pointing
   towards MODEM, SW1-5,6 on.

****
* CONNECTOR PIN NUMBERS *
****

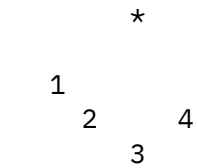
The numbers shown are for male connectors, and are reversed (left to right)
for female connectors.

A. DB-25



B. DB-9

C. DIN 5-pin



(* indicates the notch)

D. Mini DIN 8-pin

```
      *  1    2  *

(* indicates the notches in the connector)


WARNING: The above information is provided for your reference only, and no
responsibility is assumed for its accuracy. You are encouraged to verify the
Cable Listings by means of the Pin Assignment listings.

SOURCE and further REFERENCE:

This listing was inspired and greatly facilitated by an article in the
June 1986 A+ magazine: The Right Connections, by Brian Cutter. You are
encouraged  to refer to the magazine article for a lot of helpful hints and
additional information on connecting Apple Computers and peripherals.

Most of the information included was obtained from AppleLink, Apple Computer's
on-line service for dealers.

Further Information can be found in the following books:

Kim G. House & Jeff Marble, THE PRINTER CONNECTIONS BIBLE.
 (Howard E. Sams & Co. Inc., 4300 W. 62nd St., Indianapolis, IN 46268)

Carolyn Curtis & Daniel L. Majhor, THE MODEM CONNECTIONS BIBLE.
 (Howard E. Sams & Co. Inc., 4300 W. 62nd St., Indianapolis, IN 46268)

MICRO MATCH
 (Command Computer Corporation, 36 Columbia Terrace, Weehawken, NJ 07087)

THE APPLE INTERFACE MANUAL
 (Apple Computer, Inc., 20525 Mariani Avenue, Cupertino, CA 95014)


From -2530790746372157590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f3d7c18002796aa
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,3f3d7c18002796aa
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-05-04 18:56:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!sri-
spam!nike!styx!lll-crg!seismo!cmcl2!philabs!aecom!werner
From: werner@aecom.UUCP (Craig Werner)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Re: Apple IIe/IIc vs IBM PC for Children
Message-ID: <2471@aecom.UUCP>
Date: Sun, 4-May-86 21:56:28 EDT
Article-I.D.: aecom.2471
Posted: Sun May  4 21:56:28 1986
Date-Received: Wed, 7-May-86 01:46:27 EDT
```

References: <153@rruxa.UUCP> <773@jplgodo.UUCP>
Organization: Albert Einstein Coll. of Med., NY
Lines: 19
Xref: watmath net.micro:14529 net.micro.apple:2733

I am an IBM-PCnik, but I recently recommended the purchase of an Apple II to someone here who asked me the very same question.

The question to ask is "What computer is in the child's school right now?" and buy that one. The three years mentioned in the article is a long time to look ahead. Three years ago PCs were $5000 and, Macs were non-existent. Buy for today's needs.

(And by the way, Apple is just as much a "name" as IBM when it comes to Micros. It is the machines that differ.)

--

Craig Werner
!philabs!aecom!werner
(1935-14E Eastchester Rd., Bronx NY 10461, 212-931-2517)
"The DNA genetic system is the one library in which it is worthwhile to browse"

From -1284490592913850884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4af96f6bf2ee2685,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,4af96f6bf2ee2685,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 15517a,4af96f6bf2ee2685,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-05-05 06:18:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!mcnc!ecsvax!ncahec
From: ncahec@ecsvax.UUCP (Jim Gogan)
Newsgroups: net.micro.apple,net.micro.mac,net.micro.pc
Subject: Help in planning computer fair
Message-ID: <1518@ecsvax.UUCP>
Date: Mon, 5-May-86 09:18:38 EDT
Article-I.D.: ecsvax.1518
Posted: Mon May 5 09:18:38 1986
Date-Received: Wed, 7-May-86 02:19:13 EDT
Distribution: net
Organization: UNC - Chapel Hill
Lines: 49
Xref: watmath net.micro.apple:2734 net.micro.mac:5922 net.micro.pc:8081

The University of North Carolina at Chapel Hill is in the early

stages of planning a "computer fair" for the fall of 1986 (COMPUFEST '86 - makes for spiffy t-shirt slogan). Semi-tentative dates are from October 2-4.

Rather than a broad hodgepodge of vendors representing every type of product imaginable, we felt that it would be better to solicit speakers and vendor participation based on specific topic areas that represented the needs and interests of students, faculty and staff on our campus. These topic areas are:

- Computer-based training (CBT)/CAI/Instructional development
- Text analysis/text databases/"research in humanities"
- Desktop publishing
- Statistics/data analysis
- Graphics
- Data entry
- Micro/mainframe communications
- Networking
- Music applications

Based on these topics, we are asking for help in putting together a list of vendors and possible speakers to contact. If anyone knows of a particularly interesting product or a speaker that falls into one of the above areas, please let me know. We would especially appreciate comments and past experiences from other universities that have had recent computer fairs.

In terms of speakers, we would like to get some people who are not "overly technical"; in other words, can speak to interests of non-computer professionals who are using computers as tools. We are emphasizing micros, because that's where we think the most interest is. However, at this stage we are not really excluding anything from consideration. Any help or pointers that anyone can provide would be greatly appreciated.

Please contact me via "e-mail"; either USENET (ncahec@ecsvax) or BITNET (ncahec@ecsvax -or- unahec@tucc). I'd rather keep track of comments that way than via phone. Thanks!

--

Jim Gogan
N.C. AHEC Program
UNC-CH School of Medicine
Chapel Hill, NC 27514

mail: ncahec@ecsvax
(USENET or BITNET)

From 965568546589906017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f7d8b74273dce9b,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-05-06 00:32:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!caip!lll-crg!lll-lcc!ucdavis!ucrmath!hope!
novack
From: novack@hope.UUCP (Steve Novack)
Newsgroups: net.micro.apple
Subject: C compiler for apple][???
Message-ID: <368@hope.UUCP>
Date: Tue, 6-May-86 03:32:42 EDT
Article-I.D.: hope.368
Posted: Tue May 6 03:32:42 1986
Date-Received: Thu, 8-May-86 07:59:15 EDT
Distribution: net
Organization: University of California, Riverside
Lines: 7

I'm looking for information about C compilers for the apple][. Any
information would be GREATLY appreciated.

Thanks in advance,
Steve Novack

From -3294412315539613617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fbf1d88df5164ac7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-09 09:43:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!gatech!akgua!whuxlm!whuxl!houxm!ihnp4!
inuxc!pur-ee!uiucdcs!uiucdcsb!hoffman
From: hoffman@uiucdcsb.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Modem Interfacing ????'s
Message-ID: <4600017@uiucdcsb>
Date: Fri, 9-May-86 12:43:00 EDT
Article-I.D.: uiucdcsb.4600017
Posted: Fri May 9 12:43:00 1986
Date-Received: Wed, 14-May-86 04:58:44 EDT
Lines: 15
Nf-ID: #N:uiucdcsb:4600017:000:554
Nf-From: uiucdcsb.CS.UIUC.EDU!hoffman   May 9 11:43:00 1986

     I'm having some capatability problems with my Apple II+, Hayes
Smartmodem 1200, and a Super Serial Card.

     What I initially need to know is which, if any, modem software
programs can I use with this set-up?

     What kind of terminal is the Super Serial Card emulating when the

simple terminal program given in the SSC manual is being used?

Also, I've heard mention of a hardware interface board for the Apple II+ which will make it able to run IBM Pc software. Does such a board really exist?

Leave any info possible please. Thank you!

From -8061265284077493985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,72689ec179bd5faa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-09 14:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!gatech!akgua!whuxlm!whuxl!houxm!ihnp4!
inuxc!pur-ee!uiucdcs!hoffman
From: hoffman@uiucdcs.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Modem Interfacing????_____g ????'s
Message-ID: <33100015@uiucdcs>
Date: Fri, 9-May-86 17:16:00 EDT
Article-I.D.: uiucdcs.33100015
Posted: Fri May 9 17:16:00 1986
Date-Received: Wed, 14-May-86 04:58:28 EDT
Lines: 16
Nf-ID: #N:uiucdcs:33100015:000:560
Nf-From: uiucdcs.CS.UIUC.EDU!hoffman May 9 16:16:00 1986

I'm having some capatability problems with my Apple II+, Hayes Smartmodem 1200, and a Super Serial Interface Card.

What I initially need to know is which, if any, modem software programs can I use with this set-up?

What kind of terminal is the Super Serial Card emulating when the simple terminal prgram given in the SSC manual is being used?

Also, I've heard mentio of a hardware interface board for the Apple II+ which will make it able to run IBM Pc software. Does such a board really exist?

Respond with any possible info please. Thank You!

From -1925817263589921705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f7d8b74273dce9b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-10 17:11:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!lll-crg!lll-lcc!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: C compiler for apple][???
Message-ID: <249@ski.UUCP>
Date: Sat, 10-May-86 20:11:43 EDT
Article-I.D.: ski.249
Posted: Sat May 10 20:11:43 1986
Date-Received: Tue, 13-May-86 03:23:19 EDT
References: <368@hope.UUCP>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 114

> I'm looking for information about C compilers for the apple][. Any
> information would be GREATLY appreciated.
>
> Thanks in advance,
> Steve Novack

Funny you should ask!

I just recently received a MANX Aztec-C compiler for the Apple.
It turns out, MANX has several packages, as seen in some of their ads.

DOS 3.3 systems:

    Aztec-C Apprentice system- for learning C
        generates a pseudo-code, which is interpreted at runtime
        has separate runtime system for graphics programs,
            which eliminates use of some trig functions,
            scanf, etc.
        Fast one-pass compiler
        Must have SHELL present
        Uses a runtime package of ~70 sectors length
        Code is small for this reason
        Price ~ $30.00 (quite a bargain!)

    Aztec-C Personal System- no longer made

    Aztec-C C-Prime
        has a real compiler and native code assembler
        linker for standard library, as well as floating point
            and graphics
        much faster than Apprentice-C
        code longer, of course.
        No runtime code, but must have SHELL present
        Price ~99.00 (includes Apprentice-C) - takes place of
        Personal C package.

Both of of these come with a UNIX-like "shell", which uses many of the
familiar UNIX commands. All programs must run under the shell. Cannot

link apprentice-c code and c-prime code.

Aztec-C Developer's package
has both a pseudo-code and native code compiler
can link program modules of any mixture of these types
to get a compact program with fast (but larger) parts
for the time-consuming loops, etc.
(but I don't know if a runtime package is needed for
the pseudo-code in this mixture)
CAN PRODUCE stand-alone code- additional 2-4K runtime code
Price ~199.00

Aztec-C Commercial package (supports PRODOS and DOS 3.3)
in beta-test now (not available)
will support some RAM addition (/RAM like PRODOS ???)
Price ~299.00

Size of program allowed (including data storage, etc):

Apprentice-C: no graphics: ~8k space
with graphics: ~ 5600 bytes, or ~14k if using
HGR2 instead of HGR page1.

The company doesn't mention size in the C-Prime part; they told me it's the same as Apprentice-C. They have not split the code to allow jumps around the graphics pages, so graphics programs are bound by that upper limit. They may support auxiliary RAM cards in the future to store data, or maybe even store swapable code, but nothing definite yet.
bytes in the Apprentice-C

The Developer's version allows overlay code, so programs can be any size, and parts can be swapped in from disc. I don't know about support for hard drives.

These packages require unmodified DOS in the standard location, so pseudo-RAM drives and DOS-movers cannot be used.

Throrough manual included with the C-prime package and Apprentice system I have.

The company tech I spoke to recommended the PC systems, rather than the Apple systems, because of the larger space available in the PC, and the lack of interference with the graphics pages.
(systems available for MS-DOS, PC-DOS,CP/M-86, MacIntosh, Amiga, CP/M-68K,Apple II, Commodore C128, Radio Shack)

FURTHER READING:

Call-A.P.P.L.E. December 1983, and January 1984
"C" What I Mean, Parts I & II, Jim Hockenhull
(Pt I explains C; Pt II reviews the Aztec-C $200 system)

Anecdotal "benchmark": using the standard published Sieve programs from
Byte in C and BASIC:

(All times include the Titan Accelerator //e card, running unless noted)
for a sieve of size 7000 (yielding 1651 primes)

Applesoft	= 240 seconds (few hundred bytes)
Applesoft	= 73 seconds
Microsoft Applesoft Compiler	= 18 seconds
Apprentice-C	= 12.5 seconds(file size 5 sectors)
C-Prime C	~ 1.5 seconds (file size 50 sectors)

BTW: I have no connection with MANX or APPLE.
--
==========
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -9171036234090067096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ea9447ed06c3dc0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-11 15:14:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!panda!genrad!decvax!bellcore!
ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!convex!mcomp!p40001
From: p40001@mcomp.UUCP
Newsgroups: net.micro.apple
Subject: Re: MODEM INTERFACING
Message-ID: <10100004@mcomp>
Date: Sun, 11-May-86 18:14:00 EDT
Article-I.D.: mcomp.10100004
Posted: Sun May 11 18:14:00 1986
Date-Received: Fri, 16-May-86 04:59:52 EDT
Lines: 37
Nf-ID: #N:mcomp:10100004:000:2059
Nf-From: mcomp.UUCP!p40001 May 11 17:14:00 1986

The short terminal program in the SSC manual does not emulate
any terminal -- it just takes character from the SSC and displays them
on the screen, and it takes characters typed at the keyboard and sends
them out the SSC. I guess you could say it emulates a DUMB terminal.

Regarding compatibility: I am using SOFTERM, which will emulate about

a dozen or so different terminals (I'm using VT100 emulation), and which
also supports a vast number of Apple serial interfaces, 8--column cards,
modems, printer cards, etc. I don't know what it costs currently, I bought
mine about two years ago. The program permits up- and downloading from and to
DOS 3.3, CP/M, and Apple Pascal diskettes, and supports both the XMODEM
protocol as well as a proprietary protocol called SOFTRANS.
The program's main drawback is that it does not support ProDOS -- that is
supposed to come later this year.

I also use Apple ACCESS, published by Apple Computer, which supports only
ProDOS, and the XMODEM protocol.

If you have difficulties getting your SSC/Hayes setup to work, the problem
I have encountered most often is forgetting to set the jumper on the SSC
in the right direction, and/or the two dip switches. The triangle on the jumper
needs to point UP, towards the word MODEM, and switches 1-5 and 1-6 should be
ON or CLOSED (which word is printed on the switches depends on the age of your
card, some have ON/OFF, others have CLOSED/OPEN).

Another problem could be the cable -- if your cable is not a Hayes original
cable supplied with the modem, it might be missing some signal which the modem
requires. Unfortunately, the RS-232 standard is not very standard in its
implementations by the various manufacturers of modems and interfaces!
I usually use 25-wire ribbon cable with crimp-on connectors, that
way I can be sure that ALL signals are getting through.

Wolf N. Paul, 290 Dogwood, Plano, Tx. 75075
UUCP: { convex, infoswx, texsun!rrm }!mcomp!p40001
BIX: wnp Phone: (214) 578-8023 W.U.ESL: 6283-2882

From -5450793915136787934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,282446bb5a29079d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-12 17:47:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site mb2c.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!megcng
From: megcng@mb2c.UUCP (Carter Grabarczyk)
Newsgroups: net.micro.apple
Subject: Re: RANA Drives
Message-ID: <4438@mb2c.UUCP>
Date: Mon, 12-May-86 20:47:42 EDT
Article-I.D.: mb2c.4438
Posted: Mon May 12 20:47:42 1986
Date-Received: Tue, 13-May-86 08:38:52 EDT
References: <775@minster.UUCP>
Organization: Michigan Bell, Southfield, MI
Lines: 18

> Has anybody got (or know where to get) a version of Prodos that can
> use the full capabilities of RANA drives (the double sided etc ones).
>
> All replies gratefully received !

Rana had two versions of enhancement software, 3.3 and ProDOS. Its been awhile, but I seem to recall that the ProDOS software required a different ROM on the Rana controller. The new ROM had a few bugs in it and I finally sold the Rana controller card with both ROMs and just use the drives as SS 35 track. I still have the software and some docs which you are welcome to have for the price of postage (weighs about 3 pounds).

Carter Grabarczyk
Room 3311
29777 Telegraph Rd.
Southfield, Mich 48034

By the way, Rana went out of business almost a year ago....Good luck!

From -3089879174828615666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,297bb57e3cf5d091,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-13 07:32:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!jpierre
From: jpierre@utai.UUCP (Pierre Corriveau)
Newsgroups: net.micro.apple
Subject: KERMIT
Message-ID: <1661@utai.UUCP>
Date: Tue, 13-May-86 10:32:13 EDT
Article-I.D.: utai.1661
Posted: Tue May 13 10:32:13 1986
Date-Received: Wed, 14-May-86 01:25:40 EDT
Distribution: net
Organization: CSRI, University of Toronto
Lines: 7

Is it possible to obtain the most recent version of
KERMIT for an Apple //e on a floppy? Does Colombia
University still support it and is it willing to mail
a diskette with the software?

Jean-Pierre Corriveau
TORONTO@utai

From 3872207985797534134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f7d8b74273dce9b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-13 13:43:05 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!topaz!ll-xn!mit-amt!mit-eddie!genrad!
decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: C compiler for apple][???
Message-ID: <2dac102d.7005@apollo.uucp>
Date: Tue, 13-May-86 16:43:05 EDT
Article-I.D.: apollo.2dac102d.7005
Posted: Tue May 13 16:43:05 1986
Date-Received: Thu, 15-May-86 07:31:36 EDT
References: <368@hope.UUCP> <249@ski.UUCP>
Reply-To: nazgul@apollo.UUCP ()
Distribution: net
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 117

In article <249@ski.UUCP> dr@ski.UUCP (David Robins) writes:
> > I'm looking for information about C compilers for the apple][. Any
> > information would be GREATLY appreciated.
>
>   Aztec-C Developer's package
>   has both a pseudo-code and native code compiler
>   can link program modules of any mixture of these types
>   to get a compact program with fast (but larger) parts
>   for the time-consuming loops, etc.
>   (but I don't know if a runtime package is needed for
>   the pseudo-code in this mixture)
>   CAN PRODUCE stand-alone code- additional 2-4K runtime code
>   Price ~199.00

You don't really have to worry about the difference between psuedo-code
and real-code stuff. Everything links together and the interpreter is
linked in automatically. You can use both interpreted and compiled code
in standalone compiled modules as well as ones that run under the shell.
Generally you do all of the development work under the shell, and then
just bind in the standalone library instead when you are ready to test
the final product.

>
>   Aztec-C Commercial package (supports PRODOS and DOS 3.3)
>   in beta-test now (not available)
>   will support some RAM addition (/RAM like PRODOS ???)
>   Price ~299.00
>

Currently the only ram support in this version is the /ram ramdisk.
The shell in this is also much more powerful, it supports both
wildcards and environment variables. In particular you can use
special environment variables like CCTEMP and INCLUDE to specify
where to put temporary files (on the ram disk usually) and where
to look for include files (INCLUDE has the same format as PATH,
which is also supported).

> The Developer's version allows overlay code, so programs can be any
> size, and parts can be swapped in from disc. I don't know about support
> for hard drives.

I've tried using the DOS3.3 stuff on my hard drive (CMC with the PROFIX
software support for DOS volumes on the drive) but PROFIX modifies DOS
too much for Aztec to deal with it. I don't know if there are any work
arounds. The PRODOS stuff works like a charm on a hard drive though.

>
> These packages require unmodified DOS in the standard location, so
> pseudo-RAM drives and DOS-movers cannot be used.

Yes and no. As I mentioned above, a very modified DOS won't work, but
I've been using a RAM disk I typed in from a NYBBLE article several
years ago and it works fine, in fact I'd hate to have to work without
it. Generally I put the C compiler and editor (with a few tools) on
one drive, the source/binary disk on a second, and the files I am currently
working on on the ram drive. Then I set working directory to the ram
drive. My compile scripts tell the compiler to always look for the
file on the ram drive, but to put the final binaries on the source drive.
All of the temporaries (where most of the reading/writing occurs) are on
the ram. You can't fit both the linker and the compiler on one disk though,
so you still have to do some disk swapping.

> The company tech I spoke to recommended the PC systems, rather than the
> Apple systems, because of the larger space available in the PC, and the
> lack of interference with the graphics pages.

The PRODOS version has a linker option to leave holes in the linked text.
This should allow you to easily use the graphics areas. If the program
is small you can either link it under the graphics page, or over it. If
you're to large do that there is one more hack you can do. If you just
want to use the graphics screen occasionally you can copy the code out
of the way, show your pictures, and then copy it back. This actually
works pretty well so long as you make sure that the code to do the copy
sits somewhere else. In any case these problems all should go away with
the PRODOS version (I haven't actually tested that feature yet).

There are a couple other C compilers on the market now, all in the $50
price range. I don't know too much about them but I suspect that they
have nowhere near the library/shell support that Manx provides. One of
them had a product announcement in the latest A+ (they called it a C++
compiler, but that was before they realized there was already a langauage
called C++). The other compiler is the Small-C compiler. It's really
not a development language, it doesn't support anywhere near the full
language, but it's available with source from the people who put out
the ORCA/M assembler. You'll need to buy the assembler as well.

If you're going to do any development, particularly for more than one

machine, I definitely recommend the Aztec compilers. They run on a
wide variety of machines. The benchmarks generally show them around
the top in compile/run speed, and they support just about every UNIX
system call (generally circa SysIII) that you might want. I've found
some bugs in using them, but nothing I couldn't work around, and they
have a bulletin board you can leave bug reports on and talk to other users.

-kee

Disclaimer: I don't work for Manx, Apollo doesn't use their compilers,
and all these distorted views are my own.
--

...{yale,uw-beaver,decvax!wanginst}!apollo!nazgul

This is the Button to Start the Machine
To make with the Cybernetics and Stuff
To cover Chaotic Confusion and Bluff
That hung on the Turn of a Plausible Phrase
And thickened the Erudite Verbal Haze
Cloaking Constant K
That saved the Summary
Based on the Mummery
Hiding the Flaw
That lay in the Theory Jack built.

A Space Child's Mother Goose
(1 more message to finish this poem!)

From 5993974768960952834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52ddd75d9af4799c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-13 16:16:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!axiom!adelie!ll-xn!caip!hobson
From: hobson@caip.RUTGERS.EDU (Kevin Hobson)
Newsgroups: net.micro.apple
Subject: Re: Apple Serial Connector Information
Message-ID: <2256@caip.RUTGERS.EDU>
Date: Tue, 13-May-86 19:16:15 EDT
Article-I.D.: caip.2256
Posted: Tue May 13 19:16:15 1986
Date-Received: Thu, 15-May-86 04:44:53 EDT
References: <10100003@mcomp>
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 107
Summary: Bogus

First, If you try some of these connections WATCH OUT.

> information about Apple's serial connectors, both on this network
> and on others (BIX, Genie, etc.).
> I had started compiling a list of Apple's connectors a while ago, but had not
> got very far. Then the latest issue of A+ magazine arrived, and there
> was all the info I needed.

Don't always believe what you read. The pins connection on the Apple
products are correct. Making the connections are a whole different
story.

>
> A. APPLE][,][+, //e CABLES
> ----------------------------
>
> 1. SSC => IWR   (Apple Cable # 590-0037)   (See note 1)
>   (DB25 => DB25)
>   1-1, 13-13, 19-19, 23-23.

Do you plan on sending data or what? You need pins 2 and 3 (transmit
and receive) Also the super serial only has 1-8, and 20 (it might have
one more). Pins 13,19, and 23 are non-existent

> 4. SSC => DWP   Identical to #1, SSC => IWR

Ahem

> E. SPECIAL
> ----------
>
> 23. DB25 => DB25 Modem Eliminator Cable (Apple Cable # 590-0166)
>   1-1, 2-3, 3-2, 4&5-8, 6-20, 7-7, 8-4&5, 20-6.

There is no such thing as true modem eliminator (This cable also works
between Ibm serial and a Imagewriter I. You need to make a different
cable for Lisa to Imagewriter I (I have the specific, I will post them
later if someone wants them)

>
> WARNING: The above information is provided for your reference only, and no
> responsibility is assumed for its accuracy. You are encouraged to verify the

> Cable Listings by means of the Pin Assignment listings.
>
> SOURCE and further REFERENCE:
>
> This listing was inspired and greatly facilitated by an article in the
> June 1986 A+ magazine: The Right Connections, by Brian Cutter. You are
> encouraged to refer to the magazine article for a lot of helpful hints and
> additional information on connecting Apple Computers and peripherals.
>
> Most of the information included was obtained from AppleLink, Apple Computer
> on-line service for dealers.
>
> Further Information can be found in the following books:
>
> Kim G. House & Jeff Marble, THE PRINTER CONNECTIONS BIBLE.
> (Howard E. Sams & Co. Inc., 4300 W. 62nd St., Indianapolis, IN 46268)
>
> Carolyn Curtis & Daniel L. Majhor, THE MODEM CONNECTIONS BIBLE.
> (Howard E. Sams & Co. Inc., 4300 W. 62nd St., Indianapolis, IN 46268)
>
> MICRO MATCH
> (Command Computer Corporation, 36 Columbia Terrace, Weehawken, NJ 07087)
>
> THE APPLE INTERFACE MANUAL
> (Apple Computer, Inc., 20525 Mariani Avenue, Cupertino, CA 95014)

Since I have wrote this at a busy moment I will have to follow up
later with some accurate information.

You can read as books as you want, but you will learn to love a
breakout box when you make connections between serial interface
computers [make DB25 end to DB25 (DIN-8, DB9, DB50, whatever) with
transmit going to transmit, receive going to receive and so on
(basically a straight thru)] and have fun finding the right connection
between computer-breakout box-whatever.

--

- ARPA: Hobson@rutgers   -
- UUCP: (ihnp4!ut-sally, seismo, allegra!packard) !topaz!hobson -
----

From 6381567475906666985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5735135746093520,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-14 02:18:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!glacier!hplabs!
tektronix!reed!marc
From: marc@reed.UUCP
Newsgroups: net.micro.apple
Subject: ROM to RAM
Message-ID: <3440@reed.UUCP>
Date: Wed, 14-May-86 05:18:29 EDT
Article-I.D.: reed.3440
Posted: Wed May 14 05:18:29 1986
Date-Received: Sat, 17-May-86 01:44:10 EDT
Reply-To: marc@reed.UUCP (Marc Leonard)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 14

|
|
   A recent discussion in net.micro.cbm explained how one could
change the C64 basic rom to ram by copying that block of memory
to itself (loop of POKE X,PEEK(X)) and then set a pointer at
location $00. This would copy the rom into a block of ram under
it, so that the Basic routines could be edited normally. The
pointer told the computer to use the new ram instead of the rom.
   Does anyone know if this can be done on the Apple][e? If not,
is there another way of altering Basic functions, keywords, etc.?
   Please mail or mail and post any responses.

                    Marc Leonard
                    {ihnp4,hplabs,decvax}!tektronix!reed!marc

From 5205464291512085018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,74e102ea8a29d849,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-14 18:50:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!husc6!panda!genrad!decvax!bellcore!
ulysses!mhuxr!mhuxn!ihnp4!ucbvax!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: VIDEX Videoterm driver + DCOM 3.2x vt100 Emulator patches
Message-ID: <2607@sdcc6.UUCP>
Date: Wed, 14-May-86 21:50:12 EDT
Article-I.D.: sdcc6.2607
Posted: Wed May 14 21:50:12 1986

Date-Received: Sun, 18-May-86 11:24:21 EDT
Organization: UC San Diego EE/CS Department.
Lines: 650
Keywords: VIDEX, vt100, Super Serial Card, ALS Dispatcher, U/L Keyboard

<Munch...Yummy.>

This posting contains:

DCOM.SCREEN.VDX - Videx Screen Driver

DCOM.KEYBOARD.SHFMOD - This keyboard driver will support non lowercase keyboards witht the famed shift-key mod.

DCOM.MODEM.SSC - Apple Super Serial Card Driver that will work with other "look-alikes"

DCOM.MODEM.ALSDIS - ALS Dispatcher Driver that will work with just about any 'cheap' serial card. This one also knows how to send a break character.

CONFIGURE TERMINAL - This allows the terminal to use the VIDEX and non lowercase keyboards. (It is run automatically when you type escape at the startup screen.)

Why all the changes?

The //c uses the Super Serial Card driver. Some people have had trouble getting it to work properly. The SSC driver also used the SSC roms. Bad idea. I now manipulate the hardware directly. This means that it will work with the 'SSC Lookalikes'.

The ALS Dispatcher driver also used the built-in ROMS and would not function with the CCS7710 card or other hardware compatible cards.

The VIDEX screen driver has not been proven yet. I will be posting source code for the VIDEX driver tomorrow. (My apple doesn't run KERMIT yet.) The VIDEX driver has been tested on "VIDEX compatible" cards and seems to work.

The new keyboard driver supports non lowercase keyboards that have their shift keys wired to paddle button 2 on the GAME I/O port. This is for the VIDEX driver, as most VIDEX cards use that method to gather lowercase input.

The keyboard driver uses these keys:

Preceding any key with CTRL-A will make it look like you typed the key with the OPEN or CLOSED apple key down. (The open/closed apple keys are only available on the //e and //c.) This is used to enter

the set-up menu, the modem menu, and for vt100 keypad keys and
phone dialing. Whenever you see the OPEN/CLOSED apple in the
instructions, just use CTRL-A.

CTRL-R is the prefix to type special characters:

```
CTRL-R !  = |      CTRL-R -  = _
CTRL-R "  = ~      CTRL-R '  = `
CTRL-R (  = {      CTRL-R /  = \
CTRL-R )  = }      CTRL-R P  = @
CTRL-R <  = [      CTRL-R p  = @
CTRL-R >  = ]      CTRL-R N  = ^
              CTRL-R n  = ^
```

Special CTRL-Keys:

```
CTRL-R 3  = vt100 ^?
CTRL-R 4  = vt100 ^]
CTRL-R 5  = vt100 ^/
CTRL-R 6  = vt100 ^`
```

To install the patch, make a COPY of you DCOM disk and download the
                  ^^^^
file PATCH.EXEC to your COPY of the DCOM disk and type:

```
]

]EXEC PATCH.EXEC
```

The disk will spin and grind. When it stops and announces itself as
sane, re-boot the system.

NOTE: You do not need to install the patch if your DCOM disk
       works. You do need to install the patch if:
       A) you want to use DCOM with a VIDEX Videoterm,
       B) If you want the new SSC or ALS drivers to use your
       hardware lookalike.
       C) If you want to use the non lowercase keyboard driver.

As usual, mail complaints, bug reports, etc. to:

UUCP: {ucbvax, ihnp4, decvax, etc...}!sdcsvax!hayes
ARPA: hayes@UCSD.EDU.ARPA
ARPA2: hayes%wizard@UCSD.ARPA

-Jim Hayes, University of California at Sandy Eggo.

P.S. Special thanks to:
     John Antypas of UCSD for the use of his hardware, and
     David Smith of UCSD for his SSC manual.

----Snippity----Snippity----Cut it man!-----

```
#! /bin/sh
```

```
# This is a shell archive, meaning:
# 1. Remove everything above the #! /bin/sh line.
# 2. Save the resulting text in a file.
# 3. Execute the file with /bin/sh (not csh) to create the files:
#    patch.exec
# This archive created: Wed May 14 18:05:50 1986
# By:    James Hayes (UC San Diego EE/CS Department.)
export PATH; PATH=/bin:$PATH
echo shar: extracting "'patch.exec'" '(18541 characters)'
if test -f 'patch.exec'
then
     echo shar: will not over-write existing file "'patch.exec'"
else
sed 's/^XX//' << \SHAR_EOF > 'patch.exec'
XXTEXT:HOME:?"UNPACKING:":?"VIDEX SCREEN DRIVER":POKE 34,3:HOME:CALL -151
XX5000: 4C F3 50 4C 02 51 4C 0E 51 4C
XX500A: A0 51 4C A2 52 4C DA 52 4C 02
XX5014: 53 4C 14 53 4C 2D 53 4C 44 53
XX501E: 4C 5E 53 4C 98 53 4C E4 53 4C
XX5028: 31 54 4C C0 54 4C E9 54 4C 0C
XX5032: 55 4C 32 55 4C 4D 55 4C 82 55
XX503C: 4C BA 55 4C 4D 56 4C 9B 54 4C
XX5046: A0 54 4C B6 56 4C F2 56 4C 48
XX5050: 57 4C 9A 57 60 7F 50 62 58 19
XX505A: 00 18 18 00 09 20 00 00 00 00
XX5064: 00 00 50 A0 F0 40 90 E0 30 80
XX506E: D0 20 70 C0 10 60 B0 00 50 A0
XX5078: F0 40 90 E0 30 CC CC CC CC CD
XX5082: CD CD CC CC CC CD CD CD CC CC
XX508C: CC CD CD CD CD CC CC CC CD CC
XX5096: CC CC CC CD CD CB CC CC CC CD
XX50A0: CD CB CC CC CC CD CD CD CB CC
XX50AA: CC CC CD 00 50 A0 F0 40 90 E0
XX50B4: 30 80 D0 20 70 C0 10 60 B0 00
XX50BE: 50 A0 F0 40 90 E0 30 20 7F 7F
XX50C8: 09 0C 0D 0A 2A 2B 20 0B 19 1C
XX50D2: 16 13 1F 1A 1A 1A 1A 1A 17 1D
XX50DC: 1B 1E 15 3C 3E 22 3D 23 2E 00
XX50E6: 00 00 00 00 00 00 8C B0 C0 8D
XX50F0: B1 C0 60 8D 59 C0 A0 0F B9 55
XX50FA: 50 20 EC 50 88 10 F7 60 A0 17
XX5104: 20 0E 51 20 06 20 88 10 F7 60
XX510E: A9 00 99 80 03 2C 00 C3 B9 AD
XX5118: 50 8D 34 51 B9 95 50 8D 35 51
XX5122: 20 06 20 2C FF CF 2C 00 C3 A2
XX512C: 4F 20 D4 57 AD 08 03 9D FF FF
XX5136: CA E0 0F F0 0F E0 1F F0 0B E0
XX5140: 3F F0 07 E8 CA 10 EC 4C 06 20
XX514A: 20 D4 57 8A 48 20 06 20 2C FF
XX5154: CF 2C 00 C3 68 AA C0 06 F0 0E
XX515E: C0 0C F0 11 C0 13 F0 14 AD 08
XX5168: 03 4C 33 51 E0 1F D0 F6 4C 81
XX5172: 51 E0 3F D0 EF 4C 81 51 E0 0F
```

```
XX517C: D0 E8 4C 81 51 8A 48 20 06 20
XX5186: 2C FF CF 2C 00 C3 68 AA B9 65
XX5190: 50 8D 34 51 B9 7D 50 8D 35 51
XX519A: AD 08 03 4C 33 51 BD 80 03 99
XX51A4: 80 03 8A 48 20 06 20 2C FF CF
XX51AE: 2C 00 C3 68 AA E0 06 F0 17 E0
XX51B8: 0C F0 13 E0 13 F0 0F C0 06 F0
XX51C2: 0B C0 0C F0 07 C0 13 F0 03 4C
XX51CC: 63 58 8A 48 98 48 8A A8 B9 AD
XX51D6: 50 8D EF 51 B9 95 50 8D F0 51
XX51E0: 20 06 20 2C FF CF 2C 00 C3 A2
XX51EA: 4F 20 D4 57 BD FF FF 9D 94 58
XX51F4: CA E0 0F F0 1C E0 1F F0 18 E0
XX51FE: 3F F0 14 E8 CA 10 E9 8A 48 20
XX5208: 06 20 2C FF CF 2C 00 C3 68 AA
XX5212: 4C 58 52 C0 06 F0 0B C0 0C F0
XX521C: 0E C0 13 F0 11 4C EE 51 E0 1F
XX5226: D0 F9 4C 39 52 E0 3F D0 F2 4C
XX5230: 39 52 E0 0F D0 EB 4C 39 52 20
XX523A: D4 57 8A 48 20 06 20 2C FF CF
XX5244: 2C 00 C3 68 AA B9 65 50 8D EF
XX524E: 51 B9 7D 50 8D F0 51 4C EE 51
XX5258: 68 A8 B9 AD 50 8D 78 52 B9 95
XX5262: 50 8D 79 52 20 06 20 2C FF CF
XX526C: 2C 00 C3 A2 4F 20 D4 57 BD 94
XX5276: 58 9D FF FF CA 20 2C 58 30 02
XX5280: 90 0A E8 CA 10 EE 20 06 20 68
XX528A: AA 60 8A 48 20 06 20 68 AA B9
XX5294: 65 50 8D 78 52 B9 7D 50 8D 79
XX529E: 52 4C 82 52 48 2C 00 C3 8A 48
XX52A8: 20 06 20 68 AA 20 D4 57 20 2C
XX52B2: 58 30 02 90 0F B9 AD 50 8D D4
XX52BC: 52 B9 95 50 8D D5 52 4C D2 52
XX52C6: B9 65 50 8D D4 52 B9 7D 50 8D
XX52D0: D5 52 68 9D FF FF 20 06 20 60
XX52DA: AE 0F 03 E0 00 D0 06 AC 10 03
XX52E4: 4C 0E 51 A2 4F AC 10 03 AD 08
XX52EE: 03 8E E8 50 20 A2 52 AE E8 50
XX52F8: EC 0F 03 F0 04 CA 4C EF 52 60
XX5302: 20 DA 52 A0 17 CC 10 03 F0 07
XX530C: 20 0E 51 88 4C 07 53 60 AC 12
XX5316: 03 C8 98 AA 88 20 A0 51 C8 E8
XX5320: EC 13 03 90 F6 F0 F4 AC 13 03
XX532A: 4C 0E 51 AC 13 03 88 98 AA C8
XX5334: 20 A0 51 88 CA CC 12 03 D0 F6
XX533E: AC 12 03 4C 0E 51 2C E9 50 30
XX5348: 01 60 AD E6 50 AE 0F 03 AC 10
XX5352: 03 20 A2 52 A9 00 8D E9 50 4C
XX535C: 8F 53 AE 11 03 D0 01 60 EE EA
XX5366: 50 F0 03 4C 6F 53 EE EB 50 AE
XX5370: EB 50 EC 11 03 F0 01 60 2C E9
XX537A: 50 10 09 20 44 53 A9 00 8D E9
XX5384: 50 60 20 98 53 A9 80 8D E9 50
```

```
XX538E: 60 A9 00 8D EA 50 8D EB 50 60
XX5398: 2C E9 50 30 44 AE 0F 03 AC 10
XX53A2: 03 20 E4 53 8D E6 50 49 80 AE
XX53AC: 0F 03 20 A2 52 A9 80 8D E9 50
XX53B6: AC 10 03 B9 80 03 2A B0 0D A2
XX53C0: 00 8E 09 03 A2 FF 8E 0A 03 4C
XX53CA: E1 53 A2 FF 8E 09 03 2A B0 08
XX53D4: A2 00 8E 0A 03 4C E1 53 A2 FF
XX53DE: 8E 0A 03 4C 8F 53 2C 00 C3 8A
XX53E8: 48 20 06 20 68 AA 20 D4 57 20
XX53F2: 2C 58 90 0F B9 AD 50 8D 12 54
XX53FC: B9 95 50 8D 13 54 4C 11 54 B9
XX5406: 65 50 8D 12 54 B9 7D 50 8D 13
XX5410: 54 BD FF FF 20 06 20 60 2C 0B
XX541A: 03 10 0B C9 5F 90 07 38 E9 5F
XX5424: A8 B9 C5 50 2C 0A 03 30 02 A9
XX542E: 2D 60 00 20 18 54 48 20 44 53
XX5438: 2C 30 54 10 24 AE 0F 03 E0 4F
XX5442: D0 1D 2C 05 03 10 18 A2 00 8E
XX544C: 0F 03 EE 10 03 AC 10 03 CC 13
XX5456: 03 90 08 F0 06 20 14 53 CE 10
XX5460: 03 A2 00 8E 30 54 2C 01 03 10
XX546A: 03 20 82 55 AE 0F 03 AC 10 03
XX5474: 68 2C 08 03 10 02 49 80 2C 0C
XX547E: 03 10 02 49 80 20 A2 52 EE 0F
XX5488: 03 AE 0F 03 E0 50 90 08 A9 FF
XX5492: 8D 30 54 CE 0F 03 4C 98 53 A2
XX549C: 00 8E 0F 03 EE 10 03 AC 10 03
XX54A6: C0 18 F0 0A CC 13 03 B0 03 4C
XX54B0: 98 53 F0 FB 20 14 53 AC 13 03
XX54BA: 8C 10 03 4C 98 53 20 44 53 A2
XX54C4: 00 8E 0F 03 AC 10 03 C0 00 F0
XX54CE: 14 A0 17 A2 16 20 A0 51 88 CA
XX54D8: EC 10 03 B0 F6 20 DA 52 4C 98
XX54E2: 53 20 2D 53 4C 98 53 A2 00 8E
XX54EC: 0F 03 20 44 53 AC 10 03 C0 17
XX54F6: F0 0C 98 AA E8 20 A0 51 C8 E8
XX5500: E0 18 D0 F7 A0 17 20 0E 51 4C
XX550A: 98 53 20 44 53 AE 0F 03 8E 30
XX5514: 55 AC 10 03 8C 31 55 AD 08 03
XX551E: 20 A2 52 AC 31 55 CE 30 55 AE
XX5528: 30 55 10 EF 20 98 53 60 00 00
XX5532: 20 44 53 AC 10 03 F0 12 88 8C
XX553C: 31 55 20 0E 51 CE 31 55 AC 31
XX5546: 55 10 F5 20 0C 55 60 20 44 53
XX5550: AE 0F 03 8E 30 55 AE 30 55 E8
XX555A: AC 10 03 20 E4 53 AE 30 55 AC
XX5564: 10 03 20 A2 52 EE 30 55 AE 30
XX556E: 55 E0 4F 90 E3 A2 4F AC 10 03
XX5578: AD 08 03 20 A2 52 20 98 53 60
XX5582: AE 0F 03 E0 4F F0 2F 20 98 53
XX558C: A2 4E 8E E5 50 AE E5 50 20 E4
XX5596: 53 AE E5 50 E8 20 A2 52 AE E5
```

```
XX55A0: 50 EC 0F 03 F0 06 CE E5 50 4C
XX55AA: 91 55 AE 0F 03 AC 10 03 AD 08
XX55B4: 03 20 A2 52 60 00 20 44 53 AE
XX55BE: 08 03 8E B9 55 A2 45 8E 08 03
XX55C8: 20 02 51 AE B9 55 8E 08 03 20
XX55D2: 98 53 60 2C 00 C3 B9 AD 50 8D
XX55DC: F0 55 8D F5 55 B9 95 50 8D F1
XX55E6: 55 8D F6 55 A2 4F 20 D4 57 BD
XX55F0: FF FF 49 80 9D FF FF CA E0 0F
XX55FA: F0 0F E0 1F F0 0B E0 3F F0 07
XX5604: E8 CA 10 E7 4C 06 20 20 D4 57
XX560E: C0 06 F0 0E C0 0C F0 11 C0 13
XX5618: F0 14 AD 08 03 4C EF 55 E0 1F
XX5622: D0 F6 4C 35 56 E0 3F D0 EF 4C
XX562C: 35 56 E0 0F D0 E8 4C 35 56 B9
XX5636: 65 50 8D F5 55 8D F0 55 B9 7D
XX5640: 50 8D F6 55 8D F1 55 AD 08 03
XX564A: 4C EF 55 20 44 53 A0 17 20 D5
XX5654: 55 88 10 FA 20 98 53 60 A2 00
XX565E: BD 00 CC 9D FF FF CA D0 F7 EE
XX5668: 63 56 EE 7B 56 20 06 20 2C FF
XX5672: CF AD 00 C3 BD 00 CD 9D FF FF
XX567C: CA D0 F7 EE 63 56 EE 7B 56 20
XX5686: 06 20 60 A2 00 BD FF FF 9D 00
XX5690: CC CA D0 F7 EE 8D 56 EE A5 56
XX569A: 20 06 20 2C FF CF 2C 00 C3 BD
XX56A4: FF FF 9D 00 CD CA D0 F7 EE 8D
XX56AE: 56 EE A5 56 20 06 20 60 20 44
XX56B8: 53 A2 00 8E 62 56 8E 7A 56 A2
XX56C2: 84 8E 63 56 8E 7B 56 AD B0 C0
XX56CC: 20 5C 56 AD B4 C0 20 5C 56 AD
XX56D6: B8 C0 20 5C 56 AD BC C0 20 5C
XX56E0: 56 A0 A0 B9 00 03 99 00 81 88
XX56EA: C0 FF D0 F5 2C FF CF 60 A2 00
XX56F4: 8E 8C 56 8E A4 56 A2 84 8E 8D
XX56FE: 56 8E A5 56 AD B0 C0 20 89 56
XX5708: AD B4 C0 20 89 56 AD B8 C0 20
XX5712: 89 56 AD BC C0 20 89 56 A0 A0
XX571C: B9 00 81 99 00 03 88 C0 7F D0
XX5726: F5 A0 0F B9 00 81 99 00 03 C8
XX5730: B9 00 81 99 00 03 2C FF CF AD
XX573A: E7 50 8D E6 50 A9 00 8D E9 50
XX5744: 20 98 53 60 20 44 53 A2 00 8E
XX574E: 98 57 8E 99 57 20 44 53 AC 10
XX5758: 03 AE 98 57 20 E4 53 AC 10 03
XX5762: AE 99 57 20 A2 52 EE 98 57 EE
XX576C: 98 57 EE 99 57 AC 99 57 C0 28
XX5776: F0 03 4C 56 57 20 98 53 AD 0F
XX5780: 03 48 20 44 53 A2 28 AC 10 03
XX578A: 8E 0F 03 20 DA 52 68 8D 0F 03
XX5794: 20 98 53 60 00 00 A2 27 8E 98
XX579E: 57 A0 4E 8C 99 57 AE 98 57 AC
XX57A8: 10 03 20 E4 53 AE 99 57 AC 10
```

```
XX57B2: 03 20 A2 52 CE 99 57 AC 10 03
XX57BC: AE 99 57 AD 08 03 20 A2 52 CE
XX57C6: 99 57 CE 98 57 AC 98 57 F0 03
XX57D0: 4C A4 57 60 8A 48 20 06 20 68
XX57DA: AA 2C 00 C3 C0 07 90 0E C0 0D
XX57E4: 90 1E C0 14 90 2E AD BC C0 A9
XX57EE: 04 60 C0 06 F0 06 AD B0 C0 A9
XX57F8: 01 60 E0 20 90 F6 AD B4 C0 A9
XX5802: 02 60 C0 0C F0 06 AD B4 C0 A9
XX580C: 02 60 E0 40 90 EC AD B8 C0 A9
XX5816: 03 60 C0 13 F0 06 AD B8 C0 A9
XX5820: 03 60 E0 10 90 EC AD BC C0 A9
XX582A: 04 60 8A 48 20 06 20 68 AA B8
XX5834: C0 06 F0 0C C0 0C F0 10 C0 13
XX583E: F0 14 18 A9 FF 60 E0 20 90 14
XX5848: 38 A9 FF 60 E0 40 90 0C A9 FF
XX5852: 38 60 E0 10 90 04 38 A9 FF 60
XX585C: 18 20 D4 57 A9 00 60 BD 65 50
XX5866: 8D 86 58 BD 7D 50 8D 87 58 B9
XX5870: 65 50 8D 89 58 B9 7D 50 8D 8A
XX587A: 58 8A 48 20 06 20 A2 4F 20 D4
XX5884: 57 BD FF FF 9D FF FF CA 10 F7
XX588E: 20 06 20 68 AA 60 00 A0 A0 A0
XX5898: A0 A0
XX3D0G
XXBSAVE DCOM.SCREEN.VDX,A$5000,L$899
XXTEXT:HOME:?"UNPACKING:":?"FAKE UPPER/LOWER KEYBOARD DRIVER":POKE 34,3:HOME:CALL
-151
XX6000: 4C 9A 60 48
XX6004: 68 4A 6A 4B 6B 4C 6C 51 71 57
XX600E: 77 45 65 72 52 37 38 39 34 35
XX6018: 36 31 32 33 2E 2D 2C 0D 30 08
XX6022: 0A 0B 15 42 62 00 00 00 00 00
XX602C: 00 00 00 00 00 00 00 00 04 04
XX6036: 02 02 01 01 03 03 05 05 06 06
XX6040: 07 07 08 08 09 0A 0B 0D 0E 0F
XX604A: 11 12 13 16 0C 10 14 15 04 02
XX6054: 01 03 17 17 00 00 00 00 00 00
XX605E: 00 00 00 00 00 00 00 00 00 00
XX6068: 00 00 00 00 00 00 00 00 41 42
XX6072: 43 44 50 51 52 53 77 78 79 6D
XX607C: 74 75 76 6C 71 72 73 4D 70 6E
XX6086: 00 00 00 00 00 00 00 00 00 00
XX6090: 00 00 00 00 4C 00 70 00 00 00
XX609A: 29 7F C9 40 D0 05 A9 50 4C B4
XX60A4: 60 C9 5E D0 05 A9 4E 4C B4 60
XX60AE: C9 5D D0 02 A9 4D 8D 98 60 20
XX60B8: DA 61 20 61 62 AD 36 62 C9 01
XX60C2: F0 2A AD 98 60 C9 00 F0 13 20
XX60CC: 09 40 A9 00 8D 36 62 2C 03 03
XX60D6: 30 01 60 A9 0A 4C 09 40 60 4C
XX60E0: 06 70 4C 03 70 4C 0C 70 4C 09
XX60EA: 70 4C CB 60 AD 98 60 C9 00 F0
```

```
XX60F4: E9 A9 00 8D 36 62 AD 98 60 C9
XX60FE: 1B F0 93 C9 44 F0 DA C9 64 F0
XX6108: D6 C9 4D F0 D5 C9 6D F0 D1 C9
XX6112: 58 F0 D0 C9 78 F0 CC C9 41 F0
XX611C: CB C9 61 F0 C7 2C 0D 03 10 05
XX6126: A2 3F 4C 2D 61 A2 4F 8E 99 60
XX6130: A2 00 A8 DD 03 60 F0 06 E8 E0
XX613A: 32 D0 F6 60 BC 34 60 88 BE 70
XX6144: 60 8E 97 60 C0 04 90 43 C0 16
XX614E: F0 3B C0 08 90 0E AD 98 60 2C
XX6158: 14 03 10 03 4C 6C 61 4C CB 60
XX6162: 2C 0D 03 10 05 A2 00 8E 99 60
XX616C: A9 1B 20 09 40 20 06 20 AD 99
XX6176: 60 C9 00 F0 03 20 09 40 20 06
XX6180: 20 AD 97 60 20 09 40 20 06 20
XX618A: 60 20 0F 40 60 2C 0D 03 10 08
XX6194: A9 00 8D 99 60 4C A1 61 2C 15
XX619E: 03 10 1F A9 1B 20 09 40 20 06
XX61A8: 20 AD 99 60 C9 00 F0 03 20 09
XX61B2: 40 20 06 20 AD 97 60 20 09 40
XX61BC: 20 06 20 60 A9 1B 20 09 40 20
XX61C6: 06 20 A9 5B 20 09 40 20 06 20
XX61D0: AD 97 60 20 09 40 20 06 20 60
XX61DA: AD 36 62 C9 12 F0 24 C9 01 F0
XX61E4: 1D AD 98 60 C9 12 D0 09 8D 36
XX61EE: 62 A9 00 8D 98 60 60 C9 01 D0
XX61F8: 08 8D 36 62 A9 00 8D 98 60 60
XX6202: 4C 29 62 AD 98 60 C9 12 D0 06
XX620C: 60 A9 00 8D 36 62 A2 14 DD 37
XX6216: 62 F0 04 CA 10 F8 60 BD 4C 62
XX6220: 8D 98 60 A9 00 8D 36 62 60 AD
XX622A: 98 60 C9 01 D0 05 A9 00 8D 36
XX6234: 62 60 00 21 22 3C 3E 28 29 2D
XX623E: 27 2F 4E 50 08 33 34 35 36 00
XX6248: 00 00 00 00 7C 7E 5B 5D 7B 7D
XX6252: 5F 60 5C 5E 40 7F 1C 1D 1E 1F
XX625C: 00 00 00 00 00 2C 63 C0 10 0E
XX6266: C9 41 90 0A C9 5B B0 06 18 69
XX6270: 20 8D 98 60 60 A0 A0 00 B6 B0
XX627A:
XX3D0G
XXBSAVE DCOM.KEYBOARD.SHFMOD,A$6000,L$279
XXTEXT:HOME:?"UNPACKING:":?"NEW ALS/CCS 7710/ETC DRIVER":POKE 34,3:HOME:CALL -151
XX4000: 4C BE 41 4C DA 41
XX4006: 4C F4 41 4C E2 41 4C 32 40 4C
XX4010: FD 41 00 00 00 F0 FF FF FF F0
XX401A: FF FF 00 00 00 60 00 00 00 00
XX4024: 15 11 1D 00 19 00 00 00 00 00
XX402E: 0D 05 09 01 C9 03 90 13 AA A8
XX4038: B9 12 40 F0 0C C0 05 90 0C C0
XX4042: 07 90 59 C0 0A 90 01 60 4C 12
XX404C: 41 C0 03 D0 27 A9 FF A0 06 99
XX4056: 12 40 88 C0 03 D0 F8 A9 F0 99
```

```
XX4060: 12 40 A0 09 B9 12 40 C9 F0 F0
XX406A: 05 A9 FF 99 12 40 88 C0 06 D0
XX4074: EF 4C 63 41 A0 09 A9 00 99 12
XX407E: 40 88 99 12 40 88 A9 F0 99 12
XX4088: 40 88 A9 FF 99 12 40 88 C0 03
XX4092: B0 F8 A0 04 A9 F0 99 12 40 4C
XX409C: 63 41 C0 05 F0 13 20 C8 40 A0
XX40A6: 05 A9 FF 99 12 40 C8 A9 F0 99
XX40B0: 12 40 4C 63 41 20 C8 40 A0 05
XX40BA: A9 F0 99 12 40 C8 A9 FF 99 12
XX40C4: 40 4C 63 41 A0 03 A9 FF 99 12
XX40CE: 40 C8 99 12 40 A0 07 B9 12 40
XX40D8: C9 F0 F0 21 A9 00 99 12 40 C8
XX40E2: B9 12 40 C9 F0 F0 0C A9 FF 99
XX40EC: 12 40 C8 A9 F0 99 12 40 60 C8
XX40F6: A9 FF 99 12 40 60 60 A9 F0 A0
XX4100: 08 99 12 40 88 A9 00 99 12 40
XX410A: A9 FF A0 09 99 12 40 60 BD 12
XX4114: 40 C9 00 F0 1B A0 09 B9 12 40
XX411E: C9 00 F0 05 A9 FF 99 12 40 88
XX4128: C0 06 D0 EF A9 F0 9D 12 40 4C
XX4132: 63 41 60 A0 0B B9 12 40 C9 F0
XX413C: F0 06 88 10 F6 4C 50 41 C0 03
XX4146: 90 09 C0 07 90 0B C0 0C 90 0D
XX4150: 60 8C 1D 03 4C 3E 41 8C 1F 03
XX415A: 4C 3E 41 8C 1E 03 4C 3E 41 20
XX4164: 35 41 AD 1F 03 C9 03 F0 0D C9
XX416E: 04 F0 0E C9 05 F0 0F C9 06 F0
XX4178: 10 60 A2 00 4C 8B 41 A2 01 4C
XX4182: 8B 41 A2 08 4C 8B 41 A2 09 AD
XX418C: 1E 03 C9 07 F0 09 C9 08 F0 0A
XX4196: C9 09 F0 0B 60 A0 02 4C A7 41
XX41A0: A0 06 4C A7 41 A0 04 8A 8C BD
XX41AA: 41 18 6D BD 41 A8 B9 22 40 AE
XX41B4: 20 40 9D 8E C0 8D 21 40 60 00
XX41BE: AE 1A 03 8A 0A 0A 0A 0A 8D 20
XX41C8: 40 A8 A9 23 99 8E C0 A9 11 99
XX41D2: 8E C0 20 63 41 4C 35 41 AC 20
XX41DC: 40 B9 8E C0 4A 60 AC 20 40 29
XX41E6: 7F 48 B9 8E C0 29 03 F0 F9 68
XX41F0: 99 8F C0 60 AC 20 40 B9 8F C0
XX41FA: 29 7F 60 A9 71 AE 20 40 9D 8E
XX4204: C0 A9 00 9D 8F C0 A9 F3 20 A8
XX420E: FC A9 F0 20 A8 FC AD 21 40 AE
XX4218: 20 40 9D 8E C0 60 D0 02 A9
XX3D0G
XXBSAVE DCOM.MODEM.ALSDIS,A$4000,L$220
XXTEXT:HOME:?"UNPACKING:":?"NEW SUPER SERIAL/LOOK ALIKE DRIVER":POKE
34,3:HOME:CALL -151
XX4000: 4C 9F 40 4C F8 40
XX4006: 4C 1D 41 4C 08 41 4C 2E 40 4C
XX4010: 34 41 FF F0 FF FF F0 FF FF F0
XX401A: FF FF 00 00 FF 60 00 00 06 08
```

```
XX4024: 0A 10 90 30 B0 0B 6B 2B 00 00
XX402E: A8 AA BD 12 40 F0 25 98 AA E0
XX4038: 03 90 0D 98 AA E0 07 90 0D 98
XX4042: AA E0 0C 90 0D 60 8E 1D 03 4C
XX404C: 5B 40 8E 1F 03 4C 5B 40 8E 1E
XX4056: 03 4C 5B 40 60 AE 1D 03 AC 1F
XX4060: 03 BD 22 40 18 79 22 40 AC 21
XX406A: 40 99 8B C0 AE 1E 03 BD 22 40
XX4074: 99 8A C0 A2 00 BD 12 40 C9 00
XX407E: F0 05 A9 FF 9D 12 40 E8 E0 0D
XX4088: 90 EF A9 F0 AE 1F 03 AC 1D 03
XX4092: 9D 12 40 99 12 40 AE 1E 03 9D
XX409C: 12 40 60 AD 1A 03 18 69 C0 8D
XX40A6: 20 40 AD 1A 03 0A 0A 0A 0A 8D
XX40B0: 21 40 AE 20 40 AC 21 40 A9 01
XX40BA: 99 8A C0 A2 02 BD 12 40 C9 F0
XX40C4: F0 06 CA 10 F6 4C CF 40 8E 1D
XX40CE: 03 A2 06 BD 12 40 C9 F0 F0 08
XX40D8: CA E0 03 B0 F4 4C E3 40 8E 1F
XX40E2: 03 A2 0B BD 12 40 C9 F0 F0 06
XX40EC: CA E0 07 B0 F4 60 8E 1E 03 4C
XX40F6: 5B 40 AC 21 40 B9 89 C0 29 08
XX4100: C9 08 F0 02 18 60 38 60 AC 21
XX410A: 40 48 B9 89 C0 29 10 C9 10 D0
XX4114: F7 68 99 88 C0 20 06 20 60 AC
XX411E: 21 40 B9 88 C0 29 7F 60 A2 CA
XX4128: CA D0 FD 38 E9 01 D0 F6 AE 1A
XX4132: 03 60 AC 21 40 B9 8A C0 48 09
XX413C: 0C 99 8A C0 A9 E9 20 26 41 68
XX4146: 99 8A C0 60 90 0B C0 0C 90 0D
XX4150:
XX3D0G
XXBSAVE DCOM.MODEM.SSC,A$4000,L$14F
XXTEXT:HOME:?"---":?:?
XXNEW
XX
XX10 D$ =  CHR$ (4):CF$ = "CONFIG.TERM"
XX20  TEXT : HOME
XX30  PRINT "DCOM 3.21 TERMINAL CONFIGURATION MENU:"
XX40  PRINT : POKE 34,3
XX50  PRINT "----------------------------------------"
XX60  HOME
XX70  PRINT : PRINT
XX80 NO = 1
XX90  REM  LOOP BEGINS HERE
XX100  READ A$
XX110  IF A$ = "**" THEN 400
XX120  POKE 34,3: HOME : PRINT "WHAT "A$" DO YOU HAVE?"
XX130  PRINT :I = 1
XX140  READ N$,F$(I),DE$(I): IF N$ = "*" THEN 190
XX150 N$(I) = N$
XX160  PRINT I") "N$(I)
XX170 I = I + 1
```

```
XX180  GOTO 140
XX190  POKE 34,17: HOME
XX200 I = I - 1
XX210  PRINT : PRINT "ENTER THE NUMBER OF YOU CHOICE, OR 'Q'  TO EXIT."
XX220  PRINT
XX230  INPUT "-> ";B$
XX240  IF B$ = "Q" THEN  TEXT : HOME : END
XX250 A =  VAL (B$): IF A < 1 OR A > I THEN  PRINT  CHR$ (7): GOTO 210
XX260 FF$(NO) = F$(A)
XX270 DD$(NO) = DE$(A)
XX280 NO = NO + 1
XX290  IF  LEFT$ (A$,3) <  > "SER" THEN 390
XX300  IF  LEFT$ (N$(A),3) = "//C" THEN SL = 2: GOTO 390
XX310  PRINT : PRINT "WHAT SLOT IS YOUR SERIAL CARD IN?"
XX320  INPUT "[USUALLY 2] >";SL$:ER = 0:SL =  VAL (SL$)
XX330  IF SL < 1 OR SL = 3 OR SL = 6 THEN ER = 1
XX340  IF SL > 7 OR SL <  >  INT (SL) THEN ER = 1
XX350  IF ER THEN  PRINT "THAT'S IMPOSSIBLE!?!  SLOTS 0, 3 AND 6"
XX360  IF ER THEN  PRINT "ARE DIDICATED TO MEMORY, 80 COLS., AND"
XX370  IF ER THEN  PRINT "YOUR DISK CONTROLLER. PLEASE TRY AGAIN."
XX380  IF ER THEN 310
XX390  GOTO 90
XX400  POKE 34,3: HOME
XX410 NO = NO - 1
XX420  PRINT "I HAVE:": PRINT
XX430  FOR I = 1 TO NO
XX440  PRINT I") ";DD$(I);
XX450  IF I = 3 THEN  PRINT " (SLOT "SL")";
XX460  PRINT
XX470  NEXT I
XX480  POKE 34,17
XX490  HOME
XX500  PRINT "S) SAVE": PRINT "A) ABORT AND START OVER."
XX510  PRINT :
XX520  INPUT "-> ";A$
XX530  IF A$ = "S" THEN 560
XX540  IF A$ = "A" THEN  RUN
XX550  PRINT : GOTO 500
XX560  TEXT : HOME
XX570  PRINT "SAVING DRIVER SETTINGS."
XX580  PRINT D$"OPEN "CF$
XX590  PRINT D$"DELETE "CF$
XX600  PRINT D$"OPEN "CF$
XX610  PRINT D$"WRITE "CF$
XX620  PRINT "DCOM.MAIN"
XX630  PRINT "TERMINAL MAIN CODE"
XX640  PRINT "DCOM.CONTROL"
XX650  PRINT "TERMINAL CONTROL PANEL"
XX680  FOR I = 1 TO NO
XX690  PRINT FF$(I): PRINT DD$(I): NEXT I
XX700  PRINT SL
XX710  PRINT D$"CLOSE"
XX720  HOME : PRINT "DONE. HIT ";: INVERSE : PRINT "RETURN";
```

```
XX730  NORMAL : PRINT " IF YOU WOULD LIKE TO"
XX740  PRINT : PRINT "FIRE-UP THE TERMINAL, -OR- TYPE ";
XX750  INVERSE : PRINT "ESC";: NORMAL : PRINT " TO"
XX760  PRINT : PRINT "EXIT. ";
XX770  GET A$: IF A$ =  CHR$ (27) THEN  HOME : END
XX780  IF A$ <  >  CHR$ (13) THEN 770
XX790  HOME
XX800  PRINT : PRINT "RUNNING 'HELLO'": PRINT D$"RUN HELLO"
XX810  END
XX820  END
XX821  DATA KEYBOARD
XX822  DATA TRUE UPPER/LOWER CASE KEYBOARD,DCOM.KEYBOARD.IIE
XX823  DATA TRUE UPPER/LOWER CASE KEYBOARD DRIVER
XX824  DATA FAKE U/L CASE BY SHIFT-KEY>>PADDLE 2
XX825  DATA DCOM.KEYBOARD.SHFMOD
XX826  DATA SHIFT KEY MOD KEYBOARD DRIVER
XX827  DATA *,XX,XX
XX830  DATA 80 COLUMN CARD
XX840  DATA OMNI-VISION (SLOT 2),DCOM.SCREEN.DVISION
XX850  DATA 'COMPUTER STOP' OMNI-VISION DRIVER
XX860  DATA DOUBLE-VISION (SLOT 3),DCOM.SCREEN.DVISION
XX870  DATA 'COMPUTER STOP' DOUBLE-VISION DRIVER
XX880  DATA APPLE //E IN AUX SLOT,DCOM.SCREEN.IIE
XX890  DATA APPLE (AUX SLOT) 80 COLUMN DRIVER
XX900  DATA APPLE //C BUILT-IN 80 COLUMN CARD,DCOM.SCREEN.IIE
XX910  DATA APPLE //C 80 COLUMN DRIVER
XX911  DATA  VIDEX VIDEOTERM SCREEN DRIVER,DCOM.SCREEN.VDX
XX912  DATA  VIDEX VIDEOTERM DRIVER
XX920  DATA *,XX,XX
XX930  DATA SERIAL CARD
XX940  DATA SUPER SERIAL CARD,DCOM.MODEM.SSC
XX950  DATA SUPER SERIAL CARD DRIVER
XX960  DATA  ALS/CCS 7710/ETC...,DCOM.MODEM.ALSDIS
XX970  DATA  ALS DISPATCHER TYPE DRIVER.
XX980  DATA //C SERIAL PORT,DCOM.MODEM.SSC
XX990  DATA APPLE //C MODEM PORT DRIVER
XX1000  DATA GENERIC PASCAL COMPATIBLE,DCOM.MODEM.PASCAL
XX1010  DATA GENERIC P-SYS SERIAL DRIVER
XX1020  DATA CPS MULTIFUNCTION CARD,DCOM.MODEM.CPS
XX1030  DATA CPS MULTIFUNCTION DRIVER
XX1035  DATA  SSM-AIO-II SERIAL CARD
XX1036  DATA  DCOM.MODEM.PASCAL
XX1037  DATA  SSM-AIO-II SERIAL DRIVER
XX1040  DATA *,XX,XX
XX1050  DATA DATA COMM. HARDWARE
XX1060  DATA HAYES COMPAT. MODEM (TONE DIALING)
XX1070  DATA DCOM.PERSONALITY.HAYES
XX1080  DATA HAYES (OR COMPAT.) TONE DIALER
XX1090  DATA HAYES COMPAT. MODEM (PULSE DIALING),DCOM.PERSONALITY.PHAYES
XX1100  DATA HAYES (OR COMPAT.) PULSE DIALER
XX1110  DATA DUMB (NON HAYES COMPAT.) MODEM
XX1120  DATA DCOM.PERSONALITY.DUMB
XX1130  DATA NON DIALING MODEM DRIVER
```

```
XX1140  DATA NO MODEM (HOOKED DIRECTLY TO SYSTEM)
XX1150  DATA DCOM.PERSONALITY.NETWORK
XX1160  DATA DIRECT NETWORK CONNECTION DRIVER
XX1170  DATA UNGERMANN/BASS NETONE DIRECT CONNECT
XX1180  DATA DCOM.PERSONALITY.NETONE
XX1190  DATA U/B NET-ONE BROADBAND NETWORK DRIVER
XX1200  DATA *,XX,XX
XX1210  DATA **
XX1220  DATA **
XXSAVE CONFIGURE TERMINAL
XXTEXT
XXHOME:PRINT"DONE. TERMINAL PROGRAM NOW PATCHED."
XXPRINT"RE-BOOT TO FIRE UP THE TERMINAL..."
SHAR_EOF
if test 18541 -ne "`wc -c < 'patch.exec'`"
then
     echo shar: error transmitting "'patch.exec'" '(should have been 18541
characters)'
fi
fi # end of overwriting check
#    End of shell archive
exit 0
```

```
From -3866865180115682677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,282446bb5a29079d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-14 19:49:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!mcvax!ukc!reading!minster!Bennett
From: Bennett@minster.UUCP (Bennett)
Newsgroups: net.micro.apple
Subject: RANA Drives
Message-ID: <775@minster.UUCP>
Date: Wed, 14-May-86 22:49:07 EDT
Article-I.D.: minster.775
Posted: Wed May 14 22:49:07 1986
Date-Received: Sun, 11-May-86 04:01:53 EDT
Organization: University of York, England
Lines: 4

Has anybody got (or know where to get) a version of Prodos that can
use the full capabilities of RANA drives (the double sided etc ones).

All replies gratefully received !
```

```
From 3594336539909082133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fbf1d88df5164ac7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-14 21:00:06 PST
```

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!lll-lcc!qantel!hplabs!felix!
scgvaxd!wlbr!jplgodo!steve
From: steve@jplgodo.UUCP (Steve Schlaifer x3171 156/224)
Newsgroups: net.micro.apple
Subject: Re: Modem Interfacing ????'s
Message-ID: <788@jplgodo.UUCP>
Date: Thu, 15-May-86 00:00:06 EDT
Article-I.D.: jplgodo.788
Posted: Thu May 15 00:00:06 1986
Date-Received: Sun, 18-May-86 12:29:25 EDT
References: <4600017@uiucdcsb>
Organization: Jet Propulsion Labs, Pasadena, CA
Lines: 20
Summary: a vt100 emulator was recently posted

In article <4600017@uiucdcsb>, hoffman@uiucdcsb.CS.UIUC.EDU writes:
>   I'm having some capatability problems with my Apple II+, Hayes
> Smartmodem 1200, and a Super Serial Card.
>   What I initially need to know is which, if any, modem software
> programs can I use with this set-up?

There was a vt100 emulator recently posted to the net that works with
this combination. If you can't get it anywhere else I could probably
dig it up. I think things like ASCII Express should work with this
combination but I have never tried it. I use MDM720 on my Z80 card or
a home-brew program in my own version of FORTH depending on what I am
doing.

--

...smeagol\   Steve Schlaifer
......wlbr->!jplgodo!steve Advance Projects Group, Jet Propulsion Labs
....group3/   4800 Oak Grove Drive, M/S 156/204
                  Pasadena, California, 91109
                       +1 818 354 3171

From 7422800264950831332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ea9447ed06c3dc0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-05-15 13:53:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!prls!pyramid!nsc!curry
From: curry@nsc.UUCP (Ray Curry)
Newsgroups: net.micro.apple
Subject: Re: MODEM INTERFACING
Message-ID: <3583@nsc.UUCP>
Date: Thu, 15-May-86 16:53:40 EDT
Article-I.D.: nsc.3583
Posted: Thu May 15 16:53:40 1986
Date-Received: Sun, 18-May-86 10:51:43 EDT

Reply-To: curry@nsc.UUCP (Ray Curry)
Organization: National Semiconductor, Sunnyvale
Lines: 6

When using a modem with an Apple, one other thing to check is the cable orientation. Apple uses a null modem cable, not a straight rs232 cable. Transmit and receive are reversed. If you have a voltmeter, you can check the cable pin 2 and pin 3. The transmitter will have -12 volts and the receiver will have +.5 or so. The modem and the cable should of course have the opposite results on pin 2 and pin 3.

From 8220624014994940962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7e90c5ea150f97f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-27 09:28:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site puff.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!harvard!uwvax!puff!kucharsk
From: kucharsk@puff.UUCP (William Kucharski)
Newsgroups: net.micro.apple
Subject: Termcap for //e & //c
Message-ID: <648@puff.UUCP>
Date: Thu, 27-Feb-86 12:28:27 EST
Article-I.D.: puff.648
Posted: Thu Feb 27 12:28:27 1986
Date-Received: Sat, 1-Mar-86 16:45:41 EST
Organization: U of Wisconsin CS Dept
Lines: 21
Keywords: poof!

The following is a copy of a termcap I that was posted here last year. It requires a //e or //c with 80 column capability. You use it with AE, emulation mode on, incoming and outgoing set to "0." (So, I guess you could use it with emulation off; I haven't tried.) It works well with vi, vnews and anything else I can find. Note: Go into "INSTALL" on AE and remove the ^O filter if you want highlighted text capabilities.

------------------------ Cut Here ----------------------------

```
setenv TERM apple2c
setenv TERMCAP ':bs:bl=^G:cd=^K:ce=^]:cl=^L:cm=^^%r%+ %+ :co#80:cr=^M:\
         :am:dc=100:dF=100:dN=100:do=^J:nl=^J:\
         :ho=^Y:up=^_:sf=^J:kr=^U:kl=^H:ku=^K:kd=^J:\
         :li#24:so=^O:se=^N:nd=\034:\
         :is=^R^N^K'
stty ff0
```

William Kucharski

From 5737049864244087546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc2478648d62a8a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-27 10:23:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-vaxine!
fitzpatrick
From: fitzpatrick@vaxine.DEC
Newsgroups: net.micro.apple
Subject: re: EXEC Maker programs
Message-ID: <1412@decwrl.DEC.COM>
Date: Thu, 27-Feb-86 13:23:06 EST
Article-I.D.: decwrl.1412
Posted: Thu Feb 27 13:23:06 1986
Date-Received: Sat, 1-Mar-86 02:36:46 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 53

Well, it looks like Sean already did all the work I was planning to do.
Now this means I'm going to have to take all my cute little utilities and
clean them up so that someone other than myself can deal with them.

Regarding EXEC files, Sean wrote:

>... It is important I believe to load the text files into a
>wordprocessor and save them before trying to exec them. I tried to
>anyway with the DOS Kermit, and all I got were errors untill I did this.
>...
>
>Sean Kamath

Keep in mind that DOS 3.3 deals with text in negative (or "high") ASCII,
that is all the bytes have the high bit set. Most of the rest of the
world (including ProDOS and Aztec C) use positive (or "low") ASCII. If
you try to EXEC a file that is low ASCII, DOS will see it as garbage. To
get around this, in Kermit-65 SET FILE-BYTE-SIZE SEVEN-BIT before doing
the download. Kermit (on the Apple) is designed to set the high bit on
text transfers when in seven-bit mode. In eight-bit mode, it saves the
bytes as received.

I ran into the opposite problem when downloading C sources with ASCII
Express and then trying to use them in the Aztec C VED editor. It spits
up at hi ASCII, because it can't recognize the EOL characters. I
eventually intend to make VED itself insensitive to this (I'm currently
working on some other enhancements to it now) but in the mean time wrote

a little utility called hitolo to strip hi bits. I only have a version
to run under the Aztec shell, but could build a stand-alone version in
short order if anyone is interested in it.

re: Sean's one-liner to make a text file of a BASIC program

I don't believe the POKE 33,33 is correct. This will set the screen
width to 33 columns (which is what you want to do if you have to retrace a
line in an Applesoft program and don't want to get a lot of extra spaces
in a PRINT statement that spans two lines). What Applesoft will do in
this case is issue a <CR> (which will go into the text file being
written) after 33 columns of a line are listed. You need to POKE 33 with
a big number (bigger than the # of chars in the longest line of your
program) or the resulting file will not EXEC properly. Be sure also to
issue a NOMON O command to DOS to prevent the overly long lines from
going to the screen or you could end up clobbering all sorts of memory.

Dave FitzPatrick

        ...decvax!decwrl!dec-rhea!dec-vaxine!fitzpatrick

        on BIX: B-mail to dave.f
                        (co-moderator, leisure conference)

From 7289592235926977740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,ba73645fd5b7bb59,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,ba73645fd5b7bb59,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-27 17:16:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: pascal on Apple // computers
Message-ID: <124@tetra.UUCP>
Date: Thu, 27-Feb-86 20:16:03 EST
Article-I.D.: tetra.124
Posted: Thu Feb 27 20:16:03 1986
Date-Received: Sat, 1-Mar-86 17:52:10 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 21
Xref: watmath net.lang.pascal:492 net.micro.apple:2597

I am interested in learning PASCAL on the Apple // series computers. I
have a version of PASCAL which runs on the][+ (1.0?), but not on the
//c, or so my wife tells me. Perhaps some of you could advise me on which

PASCAL is the best for Apple //'s. I am interested in the following criteria:

1. The implementation should run on Apple //e, //c, and, if possible the][+ as well.

2. Should be reasonable in price. (i.e. under $100.00).

3. Produces executable code as opposed to P-code (U.C.S.D. PASCAL does this, I think. I prefer stand-alone executables).

4. Provides a good example of the language even if the product is from a little known company.

5. Has good documentation.

Since PASCAL is new to me, some of the criteria I have mentioned may seem naive. Anyway, I would appreciate your help.

From 77345587343804605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb87799d42e6ed98,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-27 18:10:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site nvuxb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!nvuxh!nvuxb!wa6wow
From: wa6wow@nvuxb.UUCP (P L Miller)
Newsgroups: net.micro.apple
Subject: Need TERMINFO for Apple Access
Message-ID: <112@nvuxb.UUCP>
Date: Thu, 27-Feb-86 21:10:43 EST
Article-I.D.: nvuxb.112
Posted: Thu Feb 27 21:10:43 1986
Date-Received: Sat, 1-Mar-86 04:24:48 EST
Organization: Bell Communications Research, Piscataway, NJ
Lines: 8

Does anyone have a TERMINFO for an Apple IIe using the Apple Access II software. It is supposed to emulate a vt100. The vt100 TERMINFO works ok on a real vt100 but not on the Apple emulation. I would also like to know of any documentation which describes the process of writing TERMINFOs.

Paul Miller ihnp4!nvuxb!wa6wow
201-758-5578

From -4433408121289119723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e401c45425e36d1,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-02-27 18:26:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!glacier!hplabs!well!
mom
From: mom@well.UUCP (Gremlin)
Newsgroups: net.micro.apple
Subject: tranfering apple binary files
Message-ID: <714@well.UUCP>
Date: Thu, 27-Feb-86 21:26:23 EST
Article-I.D.: well.714
Posted: Thu Feb 27 21:26:23 1986
Date-Received: Sat, 1-Mar-86 18:25:49 EST
Organization: After Midnight Lunch Bunch
Lines: 14
Keywords: none

How about using xmodem or kermit to upload the binary file to the sytem that
you are reading the news on.

Use uuencode to make it a text file.

Send the file thru-out the net. (post news to net.micro.apple)

After you see it in net.micro.apple --- save it to your system

Use uudecode to make it a binary file again.

use xmodem or kermit to tranfer it to you apple

done ......

From 522411774845813931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e74139203167dda0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-28 10:03:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!watcgl!watnot!watmath!clyde!burl!ulysses!bellcore!decvax!
genrad!panda!talcott!harvard!cmcl2!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: Summary of Z80 card slot question
Message-ID: <1155@mmintl.UUCP>
Date: Fri, 28-Feb-86 13:03:35 EST
Article-I.D.: mmintl.1155
Posted: Fri Feb 28 13:03:35 1986
Date-Received: Tue, 4-Mar-86 01:22:34 EST
References: <428@watdragon.UUCP>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 35

*
Regarding the proper slot for Z-80 cards:
     Microsoft in their original softcard manual suggests
          Slot 0: language card
          Slot 1: parallel printer card
          Slot 2: serial printer or communications
          Slot 3: video card
          Slot 4: Softcard
          Slot 5: 2nd drive controller
          Slot 6: drive controller
          Slot 7: whatever you want
     These are *suggested* and can be changed. PCPI also makes the same suggestions for their Applicard (a wonderful card by the way). I installed a Corvus network once that had the Microsoft Softcards in slot 2 on all the Apples, and unless Corvus changed the CP/M booter somewhere during the install, it seems that the CP/M booter searches for the card and it doesn't have to be in slot 4. In fact, Corvus required the floppy controller to be in slot 4. I think the Applicard can be in almost any slot (not 0 of course).
                              Jeff

        ****
        *   Jeff Miller   *
        *   Multimate International Corp.   *
        *   52 Oakland Avenue   *
        *   East Hartford, CT 06108-9911   *
        *   (203) 522-2116 x257   *
        * UUCP: *
        * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
        *   *
 -->   * P.S. I can't *mail* to ARPA but I can receive *   <--
 -->   * from there. News I *post* should get there. *   <--
        ****
*

From 2440220840220285991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b9b69ef954f0766,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-28 16:51:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!gatech!gitpyr!
rodney
From: rodney@gitpyr.UUCP
Newsgroups: net.micro.apple
Subject: Repost (Apple IIx release rumor) and an apology.
Message-ID: <1482@gitpyr.UUCP>
Date: Fri, 28-Feb-86 19:51:19 EST
Article-I.D.: gitpyr.1482
Posted: Fri Feb 28 19:51:19 1986

Date-Received: Sat, 1-Mar-86 23:19:17 EST
Organization: Georgia Institute of Technology
Lines: 31
Keywords: rumor IIx product release response

...and now it's time for some gossip. I pass this on NOT based on how definite this information is, but on how interesting it may be.

I have heard (from a friend who has a friend who works at Apple) that the Apple IIx will be released this summer. I have not yet found out exactly what the system will be (It WILL use the Western Design Center 65816 chip.), in terms of memory, clock rate, operating system, compatibility, etc. My guess is that it is the operating system that is holding them up. The way Apple is heading, they may make it into another "mouse and icons" type system.

Has anybody else out there in netland heard anything? I have a friend with an Apple IIe system who is waiting to move up to a IIx, and is dying for lack of information. Please, HELP SAVE HIM! :-)

To those of you who read my first posting of this, I apologize. The terminal I wrote that posting on (and am writing this one on), is an AT&T 5620 Display, which has the interesting feature of having an approximately 88 character line. I did not know this when I made the posting, thus the end of most of the lines were either chopped off or wrapped around. Thanks, AT&T.

Rodney Ricks
Georgia Insitute of Technology Atlanta, Georgia 30332

UUCP: ...!{akgua,allegra,amd,hplabs,ihnp4,seismo,ut-ngp}!gatech!gt-oscar!rodney
or : !gatech!gitpyr!rodney
Mail: 4265 Hidden Valley Dr.
College Park, Ga. 30349

From -2897266124126894219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5089f218c7b73fe,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-01 00:32:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: AppleWorks on an Apple][+
Message-ID: <2638@reed.UUCP>
Date: Sat, 1-Mar-86 03:32:23 EST
Article-I.D.: reed.2638

Posted: Sat Mar 1 03:32:23 1986
Date-Received: Sun, 2-Mar-86 19:07:41 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 125

][][][

This one sounds a little bit better than Videxs'. Up to 1M desktop, 4200 records in the database, works on a Franklin, suppports all major 80 colum cards (I'm quoting this from their add, so don't blame me!), permanent and dynamic RAMdisk features, all versions of AppleWorks supported (Modify plus only works with versions A & B [??? I thought it was 1.1 & 1.2?]), expands desktop into CP/M RAM cards, optional patch to help with printer cards.

Thru March 1 (tomorrow. Makes a lot of sense, right? I mean, they put it in the March issue which isn't supposed to come out 'til March...) they'll give you $20 towards their XM or XMP programs if you send them a competiter's version (Yeah, that makes a lot of sense for me to say, right? After all, the reason I'm posting this in the first place is for you to find this stuff anyway, let alone trade it in :-)). Plus-Works alone is $19.95 + $3 shipping. Required AppleWorks, 64K][+ or compatible, 80 col & shift key mod. Maximum desktop is 10K. You can upgrade to XM or XMP at any time for $30.

You can get XM or XMP for $49.95 + $3. XM requires same as above, but with Legend, Saturn, or compatible RAM card (A.P.P.L.E. Big Board, Know Drive, Prometheus, etc.) or Apple //e w/ ramcard. XMP requires CP/M card with 64K RAM (PCPI or Micropro).

MasterCard/VISA add 4%

There was a short blurb in Open-Apple (August 85) on this one. They say that it doesn't increase the database record numbers, but their add says they do. People might be interested in that issue of Open-Apple because it is almost entirely devoted to AppleWorks. Open-Apple is constantly having articles and letters about AppleWorks. You should subscribe. It's $2 an issue and well worth it. Now the addresses...

Videx
1105 N.E. Circle Blvd.
Corvallis, OR 97330
(503)-758-0521

No price in add

Norwich Data Services Ltd.
P. O. Box 356
East Norwich, NY 11732-0356 (yeah, that's a zip code: zip+4)
Orders Only: 1-800-221-3826
Information: (516)-922-9584 And NJ residents.
Plus-Works: $19.95
Plus-Works XM & XMP: $49.95
Add $3 Shipping and Handling

Open-Apple
P. O. Box 7651
Overland Park, Kans. 66207

$22-1 year subscription
$44-2 year subscription
$60-3 year subscription
Back issues $2 each, 7 or more from any volume for $14

Sean Kamath

Disclaimer: I know nothing abotu these products except Open-Apple.
Open-Apple doesn't know me from Adam, except as a paying subscriber. I
don't have anything from either Videx or Norwich Data Services Ltd. If
they get mad about anything I've said, tough cookies. I repeated their
adds in short, and if they don't like it, they can pay me some money as
a fee. I don't have any connection with anyone, not even my parents...
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -5897193183974588943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aeda8b693cb0ed93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-01 08:38:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site uwai.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!uwvax!uwai!neves
From: neves@uwai.UUCP (David Neves)
Newsgroups: net.micro.apple
Subject: Terminak terminal emulator (1 of 4)
Message-ID: <354@uwai.UUCP>
Date: Sat, 1-Mar-86 11:38:47 EST
Article-I.D.: uwai.354
Posted: Sat Mar 1 11:38:47 1986
Date-Received: Sun, 2-Mar-86 19:45:08 EST
Organization: U of Wisconsin CS Dept
Lines: 68
Keywords: h19/vt52 terminal emulator

Topic: info-apple, Entry # 544
Date: Sun, 22 Dec 85 19:20:36 PST
From: ken@Hamlet.Caltech.Edu
Message-Id: <851222192014.017@Hamlet>

Subject: H19 Terminal Emulator for the Apple //
To: Info-Apple@Hamlet.Caltech.Edu

     After over one year of beta testing, we (Eric P. Scott and Kenneth Adelman of Caltech) are proud to announce the release of "Terminak," a terminal emulator for the Apple // series of computers that provides a fairly complete emulation of the Heath/Zenith-19 ("H19") terminal. This particular "standard" is understood by a large number of hosts and has many features favored by display-oriented applications such as screen editors. Not implemented are the H19's 25th Line (hardware limitation), graphics characters (same reason), ANSI Mode, Hold Screen Mode, screen Transmit functions, and a few known H19 bugs. Features in Terminak not in the H19 include printer support and "auto flip mode" for the Apple][40 column screen. "Pure D|I|G|I|T|A|L" systems can treat Terminak as a DEC VT52 since complete support exists for the VT52 subset. Written entirely in 6502 assembly language, Terminak is able to run at 9600 baud without using hardware interrupts.

     Terminak is distributed in three files: `h19.doc' contains machine-readable documentation, `h19.hex' contains the binary image in Intel HEX format, and `loadintel.exec' contains a program that will run under DOS 3.3 to load `h19.hex' into memory where it may be BSAVEd to disk. These files are available via FTP from Hamlet.Caltech.Edu [192.12.19.3] (user anonymous; pass guest; cwd /ufs/anonymous; get h19.hex; get h19.doc; get loadintel.exec).
     I would appreciate receiving a note from anyone who receives a copy so I can get an idea of the size of the distribution and know who to notify of updates. If you do not have access to FTP I can mail you a copy. We do not intend on distributing source to Terminak in the near future.

     To get started with Terminak, download the three files to a DOS 3.3 diskette. EXEC LOADINTEL.EXEC to create the file LOADINTEL. BRUN LOADINTEL and specify H19.HEX as its input file. Upon completion of LOADINTEL, BSAVE TERMINAK V1.0,A$C00,L$24F0. BRUN TERMINAL V1.0 and you're in.

     Terminak supports the traditional 40 column Apple][screen, the Videx 80 column card, and the // 80 column screen. All serial cards or internal modems which use the 6850 ACIA (Apple Serial Card and imitations) or the 6551 ACIA (Apple Super Serial Card and imitations) are supported, but you may need your serial card's manual to assist in configuring Terminak correctly. On the Apple][you will need the shift-key mod installed to simulate a full ASCII keyboard.

The binary image comes configured to run on an Apple //c; read the configuration section of the documentation to configure it for other hardware.

Kenneth Adelman
KEN@Hamlet.Caltech.Edu
KEN@Caltech.BITNET
...!ucbvax!cithep!ken

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 1445945854879533702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,78d0a83f23d69569,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-01 08:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site uwai.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!uwvax!uwai!neves
From: neves@uwai.UUCP (David Neves)
Newsgroups: net.micro.apple
Subject: Terminak (2 of 4) h19.doc file
Message-ID: <355@uwai.UUCP>
Date: Sat, 1-Mar-86 11:41:00 EST
Article-I.D.: uwai.355
Posted: Sat Mar 1 11:41:00 1986
Date-Received: Sun, 2-Mar-86 19:45:27 EST
Organization: U of Wisconsin CS Dept
Lines: 745

T E R M I N A K   VERSION V1.0

H19/VT52 Terminal Emulator for the Apple][and Apple // Computers

Copyright (C) 1984, 1985 by Eric P. Scott and Kenneth A. Adelman

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Throughout this document the Apple][and][+
computers will be referred to as the][, and the Apple //c

and //e as the //, the major distinctions being the keyboard and the 80-column hardware. All numeric values are decimal unless preceded by a `$'.

I. INTRODUCTION

Terminak is a fairly complete emulation of the Heath/Zenith-19 terminal, henceforth referred to as the H19. We chose this particular "standard" since it is understood by a large number of hosts and has many features suited for display-oriented applications such as screen editors. Not implemented are the 25th Line (hardware limitation), graphics mode (same reason), ANSI Mode, Hold Screen Mode, screen Transmit functions, and a few known H19 bugs. Features in Terminak but not in the H19 include printer support, 40 column screen "auto flip mode", and the]['s "swapped backspace mode" which will all be discussed later. "Pure DIGITAL" systems can treat Terminak as a VT52 since complete support exists for the VT52 subset.

Terminak is able to run at 9600 baud without using hardware interrupts because it was written exclusively in 6502 assembly language. In order to prevent the loss of received data, XON/XOFF handshaking is implemented, but rarely used at 9600 baud and never at 1200 baud. The flow control characters may be set to different ASCII values for communication with nonstandard hosts, or disabled altogether.

There are three "versions" of the screen driver: one for the traditional 40 column Apple][screen, one for the Videx 80 column card, and one for the // 80 column screen. Each is implemented slightly differently due to the different hardware involved, and has its own limitations and extensions.

> `There are two ways of constructing a software design: One way is to make it so simple that there are obviously no deficiencies, and the other way is to make it so complicated that there are no obvious deficiencies. The first method is far more difficult.'
>
> C. A. R. Hoare

Terminak does not do what Apple intended with Zero-Page memory and DOS. Use of the printer buffer will overwrite DOS 3.3 and ProDOS in the most unpleasant way possible. Terminak also freely uses all of Zero-Page, and may interfere with the Apple firmware if it were used simultaneously. The minimum configuration necessary to run Terminak is an Apple][with a serial card and 16k of memory. The printer may only be used with 48k or more of memory. Terminak sets up the AppleSoft "&" and the Apple monitor's "^Y" vectors for easy return after exiting.

II. THE SCREEN DRIVER / ESCAPE SEQUENCE RECOGNITION

Terminak recognizes the following ASCII control characters from the host:

HEX	NAME	Description
$02	STX	Start of Text. Turn on printer output if a printer exists.
$03	ETX	End of Text. Turn off printer output. Recognition of these can be disabled, see below.
$07	BEL	Produce an audible signal. Also $C040 strobe.
$08	BS	Backspace. Moves the cursor one position to the left.
$09	HT	Tab. Moves the cursor to the next tab stop. Tab stops are every eight characters and columns 73-79.
$0A	LF	Line Feed. Advances the cursor to the next line. At the bottom of the screen, it scrolls text up one line. Moves to the beginning of the line if Auto CR mode enabled.
$0D	CR	Carriage Return. Moves the cursor to the first character position in the current line. Auto LF follows if mode set.
$18	CAN	Cancel. Cancels the current escape sequence.
$1B	ESC	Escape.

The following escape sequences:

CURSOR FUNCTIONS

<ESC>H	Cursor Home
<ESC>C	Cursor Forward
<ESC>D	Cursor Backward
<ESC>B	Cursor Down
<ESC>A	Cursor Up
<ESC>I	Reverse Scroll
<ESC>n	Cursor Position Report (sends ESC Y line col)
<ESC>j	Save Cursor Position
<ESC>k	Set Cursor to Previously Saved Position
<ESC>Y line col	Direct Cursor Addressing line and col here and in Cursor Position Report are offset by 32 decimal.

EDITING AND ERASING

<ESC>E	Clear Display (and home cursor)
<ESC>b	Erase to Beginning of Display
<ESC>J	Erase to End of Display
<ESC>l	Erase Entire Line

```
    <ESC>o        Erase Beginning of Line
    <ESC>K        Erase to End of Line
    <ESC>L        Insert Line
    <ESC>M        Delete Line
    <ESC>N        Delete Character
    <ESC>@        Enter Insert Character Mode
    <ESC>O        Exit Insert Character Mode

The Insert/Delete Character/Line functions will not function
properly on some "copies" of the Videx card since the screen
memory may not be readable.


CONFIGURATION
-------------
    <ESC>z        Reset to Power Up configuration
    <ESC>rBn      Modify Baud Rate (This is only meaningful
              using Serial interfaces which support software
              selectable Baud Rates.)
               Bn Values: A -> 110 Baud
                    C -> 300 Baud
                    E -> 1200 Baud
                    H -> 2400 Baud
                    J -> 4800 Baud     (others may
                    L -> 9600 Baud      be available)
    <ESC>xPn      Set mode command where Pn equals:
              0 = Disable Swapped Backspace Mode.
               (Discussed further under Keyboard.)
              1 = Enable "25th" Line.  This code is ignored.
              2 = Disable Key Clacks.
              3 = Enter Hold Screen Mode.  This code is ignored.
              4 = Block Cursor.
              5 = Cursor Off.
              6 = Keypad Shifted.
              7 = Enter Alternate Keypad mode.
              8 = Perform Automatic LF on CR.
              9 = Perform Automatic CR on LF.
              : = Enable Auto-Flip Mode.   Auto-Flip mode is only
               meaningful under the 40-Column version.  When
               enabled the page containing the cursor is
               always displayed.

              Any other character is ignored.  Note that this
              differs from the H19 behavior where the character
              is printed. In this respect, Terminak duplicates
              the H29 behavior.

    <ESC>yPn      Reset mode command where Pn equals:
              0 = Enable Swapped Backspace Mode.
               (Discussed further under Keyboard.)
              1 = Disable "25th" Line.  This code is ignored.
              2 = Enable Key Clacks.
              3 = Exit Hold Screen Mode.   This code is ignored.
```

4 = Underscore Cursor. This code is ignored when not using the Videx hardware.
5 = Cursor On.
6 = Keypad Unshifted.
7 = Exit Alternate Keypad mode.
8 = No Auto LF on CR.
9 = No Auto CR on LF.
: = Disable Auto-Flip Mode. Indicated that the currently displayed page will continue to be displayed under the 40-Column version.

Any other character is ignored. Note that this differs from the H19 behavior where the character is printed. In this respect, Terminak duplicates the H29 behavior.

MODES OF OPERATION

<ESC>p Enter Reverse Video Mode. Except for the videx and the // in non-blink cursor mode, lower case letters are displayed as uppercase in Reverse Video Mode.
<ESC>q Exit Reverse Video Mode.
<ESC>F Enter Graphics Mode. All graphics character are displayed as an inverse space.
<ESC>G Exit Graphics Mode.
<ESC>t Enter Keypad Shifted Mode.
<ESC>u Exit Keypad Shifted Mode.
<ESC>= Enter Alternate Keypad Mode.
<ESC>> Exit Alternate Keypad Mode.

ADDITIONAL FUNCTIONS

<ESC>} Keyboard Disabled. Only the RESET command will be recognized by the keyboard.
<ESC>{ Keyboard Enabled.
<ESC>v Wrap Around at End of Line.
<ESC>w Discard at End of Line.
<ESC>Z Identify as VT52 without printer [ESC/K].

III. KEYBOARD INTERFACE / THE KEYBOARD

Terminak currently supports two types of keyboards. Since it is desirable to be able to send any of the 128 ASCII characters in one keypress, at least 128 "key combinations" must be detectable from the keyboard. This is done on the // keyboard through the use of the closed apple <CAPPLE> and the open apple <OAPPLE> keys, and on the][keyboard through the use of the shift-key mod. The shift-key mod is required for a full ASCII keyboard on an Apple][.

Since Terminak has other features which must be controlled from the keyboard (such as the printer) some of the other combinations of keys are used to control these in a single key press.

The //'s keyboard:

Any ASCII character may be typed from the //'s keyboard under normal operation. The <OAPPLE> key is used, in the same fashion that the <SHIFT> or <CTRL> keys are used, to set the parity bit on the character. Commands to the Terminak keyboard driver can be entered with the <CAPPLE> key. The following commands are defined:

<CAPPLE>E Exit to monitor (return with *C00G).
<CAPPLE>B Set Baud Rate. This is followed by a letter between A and M to specify the baud rate.
<CAPPLE>Z Toggle printer feed ON/OFF. Power up default is OFF.
<CAPPLE>I Toggle the recognition of STXT/ETXT characters from the host to prevent ^B from turning on printer feed on a noisy phone line.
<CAPPLE>C Cancel. Clears printer buffer.
<CAPPLE>F Form Feed printer. Inserts a ^L in the printer queue.
<CAPPLE>R Reset Terminak. This function works even if the keyboard is disabled
<CAPPLE><ESC> Enter/Exit Local Mode. In local mode characters typed on the keyboard are sent to the screen, not the host computer.
<CAPPLE>A Send character by Hex value. Followed by 2 hex digits of an 8-bit character to send.
<CAPPLE><LARROW> Left Arrow Key.
<CAPPLE><RARROW> Right Arrow Key.
<CAPPLE><DARROW> Down Arrow Key.
<CAPPLE><UARROW> Up Arrow Key.
<CAPPLE><OAPPLE> Send a BREAK for 250ms.

The function keys on the H19 (F1->F5, ERASE, RED, BLUE, & GRAY) are typed by <CAPPLE>1 through <CAPPLE>9, respectively. <CTRL><ERASE> on at H19 is a local clear screen; in Terminak you may use <CAPPLE><CTRL>6.

The H19's keypad is implemented as a secondary set of functions for the normal keys of the //'s keyboard. This is of limited functionality as a keypad, but is useful for screen editors which use the keypad. When the <CAPPLE> key is held down, the following keys form the keypad of the H19:

```
|  )  |  _  |  +  |
|  0  |  -  |  =  |
 -----------------
|     |     |  {  |
|  O  |  P  |  [  |
 -----------------
|     |     |  :  |
|  K  |  L  |  ;  |
 -----------------
|     |  <  |  >  |
|  M  |  ,  |  .  |
 -----------------
```

The][s keyboard:

The][keyboard does not have full ASCII. Because of this the following translations are made to allow a full ASCII keyboard.

Sample entry of table below:

```
 -------
| P  `  |        P           -> p  ($70)
|   |        <SHIFT>P       -> P  ($50)
| p  ^P |    <CTRL>P         -> ^P ($10)
 -------     <CTRL><SHIFT>P -> `  ($60)
```

```
  ------------------------------------------------------------------
 |!   |"   |#   |$   |%   |&   |'   |(   |)   |@   |*   |=  |RESET|
 |1   |2   |3     |4   |5   |6 |7   |8   |9   |0   |:   |-  |
       |
 ------------------------------------------------------------------
|ESC  |Q { |W |E   |R | |T ~ |Y   |U  |I   |O _ |P ` |REPT|RETURN|
|^[   |q ^Q|w ^W|e ^E|e ^R|t ^T|y ^Y|u ^U|i ^I|o ^O|p ^P|    |
        |
 ------------------------------------------------------------------
 |CTRL |A ^\|S } |D ^_|F   |G    |H ^?|J   |K [ |L \ |+   |^?  |    |
 |     |a ^A|s ^S|d ^D|f ^F|g ^G|h ^H|j ^J|k ^K|l ^L|;   |^H  |^U  |
  ----------------------------------------------------------------
 |SHIFT |Z   |X   |C ^^|V   |B ^]|N ^ |M ] |<  |>   |?   |SHIFT|
 |   |z ^Z|x ^X|c ^C|v ^V|b ^B|n ^N|m ^M|,|.   |/   |   |
  ---------------------------------------------------------
      |          ^@ (NULL)           |
      |            SPACE             |
       ---------------------------------------------
```

Additionally, the following commands are defined:

```
    <CTRL><SHIFT>E        Exit to monitor (return with *C00G).
    <CTRL><SHIFT>U        Set Baud Rate. This is followed by a key
                 between A and M to specify the baud rate.
    <CTRL><SHIFT>Z        Toggle printer feed ON/OFF. Power up
```

default is OFF.

<CTRL><SHIFT>I Toggle the recognition of STXT/ETXT characters from the host to prevent ^B from turning on printer feed on a noisy phone line.

<CTRL><SHIFT>F Form Feed printer. Inserts a ^L in the printer queue.

<CTRL><SHIFT>W Toggle Caps Lock.

<CTRL><SHIFT>Y Send character by Hex value. Followed by 2 hex digits of an 8-bit character to send.

<CTRL><SHIFT>X Enter/Exit Keypad mode.

<CTRL><SHIFT>G Send a Break for 250ms.

<CTRL><SHIFT>J Reset Terminak. This function works even if the keyboard is disabled.

<CTRL><SHIFT>V Enter/Exit Local Mode. In local mode characters typed on the keyboard are sent to the screen, not the host.

<CTRL><SHIFT>C Cancel. Clears printer buffer (Cancel is only defined when in alternate keypad mode.)

The following feature is added for the][keyboards:

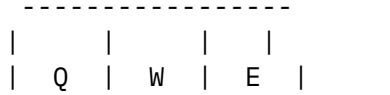
Our favorite hosts use the <DEL> character for correction, instead of the <BS> character, so we allow either to be attached to the "right arrow" key:

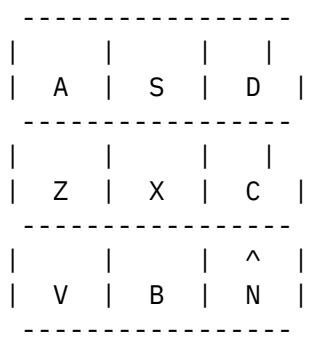
Normal Mode: <SHIFT><BACKARROW> sends <DEL>
<BACKARROW> sends <BS>

Swapped Mode: <SHIFT><BACKARROW> sends <BS> (enabled by default)
<BACKARROW> sends <DEL>

Swapped Backspace mode may be set from the host by the sequence <ESC>y0 and reset by the sequence <ESC>x0. These are extensions to the normal H19 control sequences. The default state of swapped backspace is stored in the configuration field DOPSWAP and may be changed (see the section on configuring).

The function and keypad keys of the H19 are typed by putting the keyboard into "alternate keyboard mode" by typing a <CTRL><SHIFT>X. The function keys on the H19 (F1->F5, ERASE, RED, BLUE, & GRAY) become the keys 1 through 9, respectively. The H19's keypad is formed out of the keys in the picture below. Note that the bottom row of the keypad is not below the rest of the keypad. "Alternate keyboard mode" is exited by typing any character not on the "keypad", not a special function keys, and not a command.





IV. THE PRINTER

Terminak supports the following printer interfaces: The "dumb" printer interface which includes the Apple Parallel Card, the Microbuffer II, and various serial cards. While XON/XOFF protocol is used with the host computer, handshaking with a serial printer is done using DCD (Data Carrier Detect).

If the printer is enabled, all characters which are received by Terminak from the host will also be sent to the printer. The printer may be enabled or disabled from the keyboard (see Section III) or from the host computer using the STX or the ETX characters (see Section II). To prevent noisy phone lines from turning the printer spooling on and off, STX/ETX recognition may be disabled from the keyboard.

Since most common printers do not function even at 1200 baud, the printer is "spooled" with a 35k buffer in addition to any buffering the printer interface or printer hardware provides. If the buffer fills up and XON/XOFF is enabled, handshaking with the host will begin until the printer buffer empties sufficiently to allow Terminak to run at full speed. If XON/XOFF is disabled, the user must take care not to overflow the buffer, since characters will be lost and a BELL sounded.

V. CONFIGURING THE HARDWARE

It is recommended that the program supplied be used to configure Terminak. However, the internal configuration block can be accessed directly.

Name	Address	Default	
ACIACT	$0C03	$4	Power up baud rate. If the ACIA is not initialized, this baud rate is used upon entering the program. $2-> 300, $4-> 1200, $B-> 9600 baud.

```
                    (for ACIAs which support software
                     selectable baud rate)

ACIATYPE    $0C04   $1    Acia Type.
                    0-> 6850, 1-> 6551

ACIASLOT    $0C05       $A8    Start address in page $C000 of ACIA.
                    ($80 + SLOT * $10 + OFFSET)
                    Common offsets are:
                    $8-> Super Serial Card
                    $E-> Normal Serial Card
                    $7-> MicroModem II

VIDEXSLOT   $0C06       $B0    Videx Slot, Used only if DISPTYPE=1.
                    $80 + SLOT * $10.

LCHACK       $0C07 $0    Mask to XOR lower case letters with
                    on 40-Column screen.
                    $0 -> Can display Lower Case
                    $20 -> Map to Upper Case
                    $E0 -> Map to inverse Upper Case

KBDHASO     $0C08       $80    Keyboard has "Open Apple" for sending
                    Parity and Break Characters.
                    $0-> No, $80-> Yes

KBDCLSA     $0C09       $80    Keyboard uses "Close Apple" for CMD
                    $0-> Shift Key Mod, $80-> Close Apple

KBDTYPE     $0C0A   $1    Keyboard Type:
                    $0 -> Apple ][, ][+ with shift key mod
                    $1 -> Apple //e, //c
                    $xx -> User supplied table at $xx00

CAPSLOCK    $0C0B   $0    Software Caps Lock initial setting.
                    $0-> Off, $80-> On

DISPTYPE    $0C0C   $2    Display Type.
                    0-> 40 Column Screen
                    1-> Videx in slot VIDEXSLOT
                    2-> //c //e 80 Column screen
                    All other values are Reserved.



PRNTTYPE    $0C0D   $4    Printer Type.
                    0-> No printer
                    1-> "Dumb" printer interface
                    2-> MicroBuffer II interface
                    3-> 6850 ACIA as a printer
                    4-> 6551 ACIA as a printer
                    All other values are Reserved.
```

PRNTSLOT	$0C0E	$98	Printer Slot * $10 + $80 + OFFSET
PRNTBAUD	$0C0F	$4	Printer Baud Rate. See ACIACT for the meaning of the value.
XOFFCHR	$0C10	^S	XOFF Character
XONCHR	$0C11	^Q	XON Character
XOFFLIM	$0C12	200	Number of character in receive buffer when an XOFF character is sent.
XONLIM	$0C13	20	Number of character in receive buffer when an XON character is sent.
HNDSHK	$0C14	$80	Whether to do XON/XOFF handshaking 0-> No, $80-> Yes.
DOPNOTK	$0C15	$80	Keyclacks Power up Default. 0-> Clacks, $80->No Clacks.
DOPWRAP	$0C16	$0	Wrap at End-Of-Line Power up Default. 0-> Stick, $80-> Wrap.
DOPALF	$0C17	$0	Auto LF on CR Power up Default. 0-> No, $80-> Yes.
DOPACR	$0C18	$0	Auto CR on LF Power up Default. 0-> No, $80-> Yes.
DOPAFL	$0C19	$80	Auto Flip On. 40 Column Screen Only 0-> No, $80-> Yes.
DOPSWAP	$0C1A	$80	Swapped Backspace Power up Default. 0-> No, $80-> Yes.
TOPRAM	$0C1B	$C0	Top page of printer buffer+1. $C0 for 48k or more of RAM.
FULLDUP	$0C1C	$80	Should characters from the keyboard be echoed locally. $0-> Yes, $80-> No.
CURSTYPE	$0C1D	$0	Special non-blinking cursor for the // screen. Used only if DISPTYPE=2. $0-> Normal, $80-> Non-Blinking
DOPINVIS	$0C1E	$0	Power up default for inviso mode $0-> Off, $80-> On (Printer Disabled)
USERKBD	$3200	none	2 Pages of memory reserved for user defined keyboard map.

VI. KEYBOARD MAPPING

Terminak is supplied with two "keyboard tables", one for the][and one for the //. The key that is typed on the keyboard and the ASCII code that is sent or the command that is performed are related by a 512 byte table which defines the keyboard map. This section will describe the format and construction of the keyboard map so it is possible for the user to define his own map to suit his tastes or special hardware.

On the Apple][keyboard it is not possible to generate all 128 ASCII codes. However with the addition of the "shift key mod" it becomes possible to detect more than 128 combination of keypresses. Most of the added "detections" come from the ability to detect <CTRL><SHIFT> characters as distinct from <CTRL> characters. The mapping between key presses and ASCII codes or functions is preformed by generating an intermediate quantity called a "key-code". The key-code consist of the low seven bits of the character that the keyboard sent (the code read from $C000) and the high bit which indicates whether the shift-key is down (from the shift key mod). The key-code will be between $00 and $7F if the shift-key is down and between $80 and $FF if the shift-key is up. The key-code is then used as an index into the "keyboard translation table" to get the key-command. The table on the next page shows what key-commands perform what actions:

KEYBOARD MAPPING TABLE

CODE (hex)	Action
00->7F	The code is sent to the host as a character.
80	Toggles printer capture on/off.
81	Toggles software caps lock on/off.
82	Send form feed to printer.
83	Toggles recognition of STXT/ETXT.
84	Exit Terminak to monitor.
85	Enter Set Baud Rate state. The next typed (A thru M) determines the baud rate selected.
86	Sends a BS if Swapped backspace mode is off, or a DEL if Swapped backspace mode in on.
87	Sends a DEL if Swapped backspace mode is off, or a BS if Swapped backspace mode in on.
88	Reserved
89	Reserved
8A	Send Hex value as character. The next two characters (0 thru 9, A thru F) typed will be sent as a hex digit. This is the only

```
     way to send "negative" ASCII on the ][.
  8B Toggle Alternate Keyboard Mapping. When this
     is enabled $100 is added to the key-code to
     look up the key-command.
  8C Send 250ms (nominal) break.
  8D Toggle Local Mode On/Off.
  8E Purge printer buffer.
  A0 Local clear screen and Home cursor
  A1 Local clear to end of screen


  D0 Special function key F1 (shifted and unshifted)
     Sends the code <ESC>S.
  D1 Special function key F2 (shifted and unshifted)
     Sends the code <ESC>T.
  D2 Special function key F3 (shifted and unshifted)
     Sends the code <ESC>U.
  D3 Special function key F4 (shifted and unshifted)
     Sends the code <ESC>V.
  D4 Special function key F5 (shifted and unshifted)
     Sends the code <ESC>W.
  D5 Special function key ERASE (unshifted only)
     Sends the code <ESC>J.
  D6 Special function key RED (shifted and unshifted)
     Sends the code <ESC>P.
  D7 Special function key BLUE (shifted and unshifted)
     Sends the code <ESC>Q.
  D8 Special function key GREY (shifted and unshifted)
     Sends the code <ESC>R.
  D9 Special function key ERASE (shifted only)
     Sends the code <ESC>E.
  DA Sends the code <ESC>A. This is the UP-ARROW key.
  DB Sends the code <ESC>B. This is the DOWN-ARROW key.
  DC Sends the code <ESC>C. This is the RIGHT-ARROW key.
  DD Sends the code <ESC>D. This is the LEFT-ARROW key.
  E0 Keypad key "7". Sends 7,<ESC>O,<ESC>@, or <ESC>?w.
  E1 Keypad key "8". Sends 8,<ESC>A, or <ESC>?x.
  E2 Keypad key "9". Sends 9,<ESC>N, or <ESC>?y.
  E3 Keypad key "4". Sends 4,<ESC>D, or <ESC>?t.
  E4 Keypad key "5". Sends 5,<ESC>H, or <ESC>?u.
  E5 Keypad key "6". Sends 6,<ESC>C, or <ESC>?v.
  E6 Keypad key "1". Sends 1,<ESC>L, or <ESC>?q.
  E7 Keypad key "2". Sends 2,<ESC>B, or <ESC>?r.
  E8 Keypad key "3". Sends 3,<ESC>M, or <ESC>?s.
  E9 Keypad key "0". Sends 0 or <ESC>?p.
  EA Keypad key ".". Sends . or <ESC>?n.
  EB Keypad key Enter. Sends <CR> or <ESC>?M.
F0->FB   Shifted Keypad keys (same as $E0->$EB).
  FF Reset Terminak. This code functions even if
     the keyboard is disabled.

All other codes are RESERVED and unpredictable.
```

On the //'s keyboard it is not necessary to use the shift-key mod to generate full ASCII. Since the <CAPPLE> key is already available, we use it as the "special shift key". The key-code is formed the same way as on the][']s keyboard, but the <CAPPLE> is used instead of the shift-key mod. If <CAPPLE> is down, the key-code is in the range $00 thru $7F and if it is up, in the range $80 thru $FF. The //'s keyboard has the additional attribute of the <OAPPLE> key. The <OAPPLE> key is an 8-bit shift, that is if the key-command is between $00 and $7F the high bit will be set before it is sent if <OAPPLE> is down. Additionally, <OAPPLE><CAPPLE> sends a break.

In order to build a custom keyboard table for different hardware the following must be done. If the keyboard has an <OAPPLE> key the configuration flag KBDHASO should be set. This tells Terminak to look for the <OAPPLE> key as an 8-bit shift and to use with the "special shift key" to send a break. If the keyboard has a <CAPPLE> key the configuration flag KBDCLSA should be set. If this is reset the shift-key mod will be used as the special shift key. The configuration flag KBDTYPE should be set to 0 to use the][']s translation table, 1 to use the // translation table, or the high-byte of the address of the user defined translation table. This table may be one or two pages long depending on whether the function Toggle Alternate keyboard mapping is used in the first page. This function toggles which page of the keyboard translation table is used. If the second page is not used, it need not be defined.

See the section on configuration for available memory addresses to use for the user defined keyboard map.

The following is the keyboard translation table for the][:

```
$000:    $00 $1C $1D $1E $1F $84 $82 $8C  $87 $83 $FF $5B $5C $0D $0E $5F
$010:    $10 $7B $7C $7D $7E $85 $8D $81  $8B $8A $80 $1B $1C $5D $5E $1F
$020:    $00 $21 $22 $23 $24 $25 $26 $27  $28 $29 $2A $2B $2C $2D $2E $2F
$030:    $40 $31 $32 $33 $34 $35 $36 $37  $38 $39 $3A $3B $3C $3D $3E $3F
$040:    $50 $41 $42 $43 $44 $45 $46 $47  $48 $49 $4A $4B $4C $4D $4E $4F
$050:    $50 $51 $52 $53 $54 $55 $56 $57  $58 $59 $5A $5B $5C $4D $4E $5F
$060:    $60 $61 $62 $63 $64 $65 $66 $67  $68 $69 $6A $6B $6C $6D $6E $6F
$070:    $70 $71 $72 $73 $74 $75 $76 $77  $78 $79 $7A $7B $7C $7D $7E $7F
$080:    $00 $01 $02 $03 $04 $05 $06 $07  $86 $09 $0A $0B $0C $0D $0E $0F
$090:    $10 $11 $12 $13 $14 $15 $16 $17  $18 $19 $1A $1B $1C $1D $1E $1F
$0A0:    $20 $21 $22 $23 $24 $25 $26 $27  $28 $29 $2A $2B $2C $2D $2E $2F
$0B0:    $30 $31 $32 $33 $34 $35 $36 $37  $38 $39 $3A $3B $3C $3D $3E $3F
$0C0:    $40 $61 $62 $63 $64 $65 $66 $67  $68 $69 $6A $6B $6C $6D $6E $6F
$0D0:    $70 $71 $72 $73 $74 $75 $76 $77  $78 $79 $7A $5B $5C $5D $5E $5F
$0E0:    $60 $61 $62 $63 $64 $65 $66 $67  $68 $69 $6A $6B $6C $6D $6E $6F
```

```
$0F0:    $70 $71 $72 $73 $74 $75 $76 $77  $78 $79 $7A $7B $7C $7D $7E $7F

$100:    $8B $8B $8B $8E $8B $84 $82 $8C  $8B $83 $FF $8B $8B $8B $8B $8B
$110:    $8B $8B $8B $8B $8B $85 $8D $81  $8B $8A $80 $8B $8B $8B $8B $8B
$120:    $8B $D0 $D1 $D2 $D3 $D4 $D9 $D6  $D7 $D8 $8B $8B $8B $8B $8B $8B
$130:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$140:    $8B $F3 $FA $F8 $F5 $F2 $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$150:    $8B $F0 $8B $F4 $8B $8B $F9 $F1  $F7 $8B $F6 $8B $8B $8B $FB $8B
$160:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$170:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$180:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$190:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$1A0:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$1B0:    $8B $D0 $D1 $D2 $D3 $D4 $D5 $D6  $D7 $D8 $8B $8B $8B $8B $8B $8B
$1C0:    $8B $E3 $EA $E8 $E5 $E2 $8B $8B  $8B $8B $8B $8B $8B $8B $EB $8B
$1D0:    $8B $E0 $8B $E4 $8B $8B $E9 $E1  $E7 $8B $E6 $8B $8B $8B $8B $8B
$1E0:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
$1F0:    $8B $8B $8B $8B $8B $8B $8B $8B  $8B $8B $8B $8B $8B $8B $8B $8B
```

On the][the Alternate mapping is used for the keypad. Most of the commands in the second table are $8B so that when characters not on the keypad are typed, the keypad is disabled by swapping back to the primary keyboard. Note that the Alternate mapping could also be used if the shift-key mod were not present on the][to be able to access all commands and characters in 2 key-presses.

The following is the keyboard translation table for the //:

```
$000:    $00 $01 $02 $03 $04 $05 $06 $07  $DD $09 $DB $DA $0C $0D $0E $0F
$010:    $10 $11 $12 $13 $14 $DC $16 $17  $18 $19 $1A $8D $1C $1D $A0 $1F
$020:    $20 $D0 $22 $D2 $D3 $D4 $D6 $27  $D8 $F0 $D7 $F2 $EA $E1 $EB $2F
$030:    $E0 $D0 $D1 $D2 $D3 $D4 $D5 $D6  $D7 $D8 $F8 $E8 $FA $E2 $FB $3F
$040:    $40 $8A $85 $8E $44 $84 $82 $47  $48 $83 $4A $F6 $F7 $F9 $4E $F3
$050:    $F4 $51 $FF $53 $54 $55 $56 $57  $58 $59 $80 $E5 $5C $5D $D9 $F1
$060:    $60 $8A $85 $8E $64 $84 $82 $67  $68 $83 $6A $E6 $E7 $E9 $6E $E3
$070:    $E4 $71 $FF $73 $74 $75 $76 $77  $78 $79 $80 $F5 $7C $7D $7E $7F
$080:    $00 $01 $02 $03 $04 $05 $06 $07  $08 $09 $0A $0B $0C $0D $0E $0F
$090:    $10 $11 $12 $13 $14 $15 $16 $17  $18 $19 $1A $1B $1C $1D $1E $1F
$0A0:    $20 $21 $22 $23 $24 $25 $26 $27  $28 $29 $2A $2B $2C $2D $2E $2F
$0B0:    $30 $31 $32 $33 $34 $35 $36 $37  $38 $39 $3A $3B $3C $3D $3E $3F
$0C0:    $40 $41 $42 $43 $44 $45 $46 $47  $48 $49 $4A $4B $4C $4D $4E $4F
$0D0:    $50 $51 $52 $53 $54 $55 $56 $57  $58 $59 $5A $5B $5C $5D $5E $5F
$0E0:    $60 $61 $62 $63 $64 $65 $66 $67  $68 $69 $6A $6B $6C $6D $6E $6F
$0F0:    $70 $71 $72 $73 $74 $75 $76 $77  $78 $79 $7A $7B $7C $7D $7E $7F
```

Note that the second half of this table is purely the list of ASCII values. This is so that unshifted characters are passed as-is.

--
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Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From -4621577965205705860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,59de92ef527ce93a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-01 08:42:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!pesnta!
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From: neves@uwai.UUCP (David Neves)
Newsgroups: net.micro.apple
Subject: Terminak (3 of 4) h19.hex file
Message-ID: <356@uwai.UUCP>
Date: Sat, 1-Mar-86 11:42:37 EST
Article-I.D.: uwai.356
Posted: Sat Mar 1 11:42:37 1986
Date-Received: Mon, 3-Mar-86 01:14:12 EST
Organization: U of Wisconsin CS Dept
Lines: 1023

VT52/H19 Terminak Emulator for the Apple //   Version V1.0

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Bug reports to KEN@CIT-HAMLET.ARPA
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BSAVE TERMINAK V1.0,A$C00,L$24F0

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:042AF5008D00C06030
:022AF900A90B27
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:102DF10070717273747576777879 7A7B7C7D7E7F5A
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:10305100505152535455565758595A5B5C5D5E5FF7
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:10308100A940851E8524851F852585208526A900C3
:103091008521A9348522A9008527A9358528A9007C
:0230A100852385
:1030A300A936852B852DA900852A852CA94085293C
:0130B30060BC
:000C0001F3
```
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David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 7496472137107598504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,48963d5c09c1dabd,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-01 08:44:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site uwai.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!uwvax!uwai!neves
From: neves@uwai.UUCP (David Neves)
Newsgroups: net.micro.apple
Subject: Terminak (4 of 4) loadintel.exec file
Message-ID: <357@uwai.UUCP>
Date: Sat, 1-Mar-86 11:44:10 EST
Article-I.D.: uwai.357
Posted: Sat Mar 1 11:44:10 1986
Date-Received: Sun, 2-Mar-86 19:45:42 EST
Organization: U of Wisconsin CS Dept
Lines: 81

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CALL -151
9000:4C 9D 91 0 0 B9 A0 E0 CC A0 D0 A0 A0 CC A0 E0
9010:BA D1 D9 A0 C5 E0 A0 EF A0 A0 A5 B0 A4 A2 B1 A0
9020:D0 A0 FA A0 A0 A0 A9 A0 EF A0 A0 8A BA D1 CF C4
9030:D0 B0 A0 C0 A0 B0 D0 A0 A0 85 F2 E6 A0 E5 E8 A0
9040:D5 85 D3 E3 B4 BB E0 A0 B7 F0 B8 F4 FE D2 D9 A0
9050:A0 E9 A0 A0 C0 C4 D3 BA D3 E4 A0 A0 DF A0 C6 E0
9060:A0 B9 A0 A4 A2 A0 A0 CF E1 89 FF C5 AA A0 A0 E0
9070:A0 D0 B0 A0 A8 A0 A0 89 B0 E8 E3 E5 AA C0 E5 D1
9080:A0 A0 A5 A0 CC B3 C5 C9 A0 A0 92 B5 85 B9 C4 E0
9090:C0 A0 E9 A0 A0 CC A0 E0 BA D1 D9 A0 C5 E0 A0 EF
90A0:D8 A0 A5 B0 A4 A2 A0 A0 D0 A0 EF A0 E1 8A BA D1
90B0:CF C4 E6 B0 A0 89 A0 B0 E1 A0 C8 CC F2 A9 A0 E5
90C0:C9 A0 D5 A5 D3 E3 EF C4 E0 A0 B8 F0 B9 93 FE D4
90D0:E0 A0 A0 D4 A0 A0 E2 C4 B9 A0 D3 F0 A0 A0 A0 A0
90E0:C6 B0 A0 F0 A0 A0 A2 A0 A0 EE A0 85 FF C5 AA A0
90F0:A0 C0 A0 86 B0 A0 C8 A0 A0 A5 B0 A9 B4 A5 A0 89
9100:A0 A0 BD BA A0 E0 CD D0 A0 A0 E1 A0 B0 D5 B2 D0
9110:A0 D0 E5 D0 A0 C0 A0 A0 C5 A0 8A CC C4 B8 A0 A0
9120:EC A0 D0 B0 0 0 0 0 0 0 0 0 0 0 C6
9130:C9 CC C5 CE C1 CD C5 A0 D4 CF A0 CC CF C1 C4 BF
9140:A0 0 87 8D C3 C8 C5 C3 CB D3 D5 CD A0 C5 D2 D2
9150:CF D2 0 87 8D C5 D2 D2 CF D2 A0 CF D0 C5 CE C9
9160:CE C7 A0 C6 C9 CC C5 A0 0 87 8D C5 D2 D2 CF D2
9170:A0 D2 C5 C1 C4 C9 CE C7 A0 C6 C9 CC C5 A0 0 A0
9180:A0 EF B5 A0 87 A0 A0 FB B4 CC E9 A0 D6 C0 A0 D0
9190:A0 A0 E9 B5 C3 B1 C1 EC B4 A0 8A A0 80 20 89 FE
91A0:20 93 FE 20 58 FC A2 2F A0 91 20 AB 92 A2 0 20
91B0:75 FD 86 2 A2 7E A9 A0 9D 5 90 CA 30 3 4C B8
91C0:91 A6 2 CA BD 0 2 9D 5 90 CA 30 3 4C C4 91
91D0:20 E3 92 4C 14 94 20 36 93 4C E6 91 C9 BA D0 F6
91E0:20 EC 91 4C D6 91 20 FB 93 4C D0 3 A0 0 84 6
91F0:8C 2B 91 20 5F 92 C9 0 D0 3 4C BF 92 48 A9 A4
9200:20 ED FD 68 20 4D 92 85 2 20 5F 92 20 4D 92 85
9210:04 20 DA FD 20 5F 92 20 4D 92 85 3 20 DA FD 20
9220:5F 92 20 4D 92 C9 0 F0 3 20 BF 92 C6 2 A6 2
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9260:72 92 85 7 20 72 92 85 8 A5 7 A A A A 5
9270:08 60 20 36 93 4C 98 92 C9 B0 30 16 C9 BA 30 E
9280:C9 C1 30 E C9 C7 30 3 4C 92 92 38 E9 7 38 E9
9290:B0 60 20 57 92 A9 FF 60 A2 69 A0 91 20 AB 92 20
92A0:8E FD 68 68 68 68 68 68 4C E6 91 86 0 84 1 A0
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92C0:2C 91 8E 2D 91 8C 2E 91 68 AA 68 A8 8A 18 69 4
92D0:90 1 C8 85 0 84 1 AD 2C 91 AE 2D 91 AC 2E 91
92E0:6C 0 0 A9 0 8D 28 91 A9 1 8D 5F AA 4C F6 92
92F0:20 23 93 4C 14 94 A0 0 B9 5 90 9 80 C9 80 D0
9300:02 A9 A0 99 75 AA C8 C0 1F 10 3 4C F8 92 AD 25
9310:91 20 D5 A3 A9 7F 8D 3 90 A9 7E 8D 4 90 A9 1
9320:4C BF 92 A9 5 8D C3 B5 A9 90 8D C4 B5 20 C9 B1
9330:B0 3 4C BF 92 60 AE 3 90 EC 4 90 10 3 4C DB
9340:93 AD 2A 91 C9 1 D0 3 4C F0 93 A9 3 8D BB B5
9350:A9 0 8D C2 B5 A9 7E 8D C1 B5 A9 2 8D BC B5 A9
9360:24 8D C3 B5 A9 90 8D C4 B5 20 6 AB AD C5 B5 C9
9370:00 F0 1A C9 5 F0 3 4C F8 93 A9 7D 38 ED C1 B5
9380:F0 6E 8D 4 90 A9 0 8D 3 90 4C DB 93 A9 0 8D
9390:03 90 A9 7E 8D 4 90 AD 28 91 C9 1 D0 3D A2 0
93A0:AD 25 91 C9 4 D0 2 E8 E8 BD 24 90 8D 26 91 E8
93B0:BD 24 90 8D 27 91 A2 2 AD 25 91 C9 4 D0 2 E8
93C0:E8 8E 2C 91 18 AD 26 91 6D 2C 91 8D 26 91 AD 27
93D0:91 69 0 8D 27 91 A9 0 8D 28 91 AE 3 90 BD 24
93E0:90 EE 3 90 AE 24 91 E0 1 D0 2 29 7F 4C BF 92
93F0:A9 1 8D 29 91 A9 0 60 4C 1F 94 A0 0 B9 5 90
9400:99 75 AA C8 C0 1F 10 3 4C FD 93 AD 25 91 20 EA
9410:A2 A9 1 60 A2 53 A0 91 20 AB 92 20 8E FD 60 A2
9420:69 A0 91 20 AB 92 20 8E FD 60
3D0G
BSAVE LOADINTEL,A$9000,L$42A
```

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 2228367285603608298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,41d304206b978517,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10cb58,41d304206b978517,start
X-Google-Attributes: gid10cb58,public

X-Google-ArrivalTime: 1986-03-02 10:34:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umn-cs.UUCP
Path: utzoo!watmath!thunder!mmm!umn-cs!kdoshi
From: kdoshi@umn-cs.UUCP (Kunjal Doshi)
Newsgroups: na.forsale,net.micro.apple
Subject: Apple IIc, etc. for sale
Message-ID: <924@umn-cs.UUCP>
Date: Sun, 2-Mar-86 13:34:48 EST
Article-I.D.: umn-cs.924
Posted: Sun Mar 2 13:34:48 1986
Date-Received: Wed, 5-Mar-86 03:32:56 EST
Distribution: na
Organization: Computer Science Dept., U of Minn, Mpls, MN
Lines: 32
Xref: watmath na.forsale:433 net.micro.apple:2615

Apple IIc 725.00 / Best Offer
  Includes:
    - Monitor
    - Stand
    - all necessary cables
    - all reference manuals
    - 5 introductory disks
      - Introduction
      - The Apple at Work
      - Getting down to Basic
      - Exploring Apple Logo
      - System Utilities

Gamma IIc External Disk Drive 160.00 / Best Offer

Apple Access II 65.00 / Best Offer
   Terminal emulator software
   Emulates vt100 and vt52
   Compatible with IIe and IIc
   Includes:
     - Access II Reference Manual

All of the above are in excellent working condition.
Would like to sell as soon as possible.

Kunjal Doshi
!inhp4!umn-cs!kdoshi

From 457513398694770310
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1517c1,b5ae8d5fa01487b8,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12c65a,b5ae8d5fa01487b8,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,b5ae8d5fa01487b8,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 142096,b5ae8d5fa01487b8,start
X-Google-Attributes: gid142096,public
X-Google-Thread: 129c11,b5ae8d5fa01487b8,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12eaa7,b5ae8d5fa01487b8,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 152df8,b5ae8d5fa01487b8,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-03-02 11:57:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ncoast.UUCP
Path: utzoo!linus!decvax!cwruecmp!hal!ncoast!greggt
From: greggt@ncoast.UUCP (Gregg Thompson)
Newsgroups:
net.micro,net.micro.trs-80,net.micro.amiga,net.micro.atari,net.micro.mac,net.micro
.apple,net.micro.cbm
Subject: NEED REVIEWS *AND* COMPARISONS among: Amiga, Atari 520, Mac, Tandy 2000
Message-ID: <1045@ncoast.UUCP>
Date: Sun, 2-Mar-86 14:57:39 EST
Article-I.D.: ncoast.1045
Posted: Sun Mar 2 14:57:39 1986
Date-Received: Tue, 4-Mar-86 04:43:13 EST
Distribution: net
Organization: Cleveland Public Access UNIX, Cleveland, OH
Lines: 23
Xref: linus net.micro:12749 net.micro.trs-80:496 net.micro.amiga:6071
net.micro.atari:2881 net.micro.mac:4950 net.micro.apple:2335 net.micro.cbm:1914

The school I go to is seriously thinking of computerizing the Art Department and the Industrial Arts. I REALLY NEED reviews of each of the following computers (reviews not only about the machine but software too): Amiga, Atari 520, Mac, and the Tandy 2000.

I need reviews in the following areas: cost, hardware (what comes with the base unit and what is available not just from one particular company)*, software (what comes with the machine and what is available)*, support (technical & demonstration for hardware AND software), bugs, and problems.

*-Please limit the topic to hardware and software pertaining to art and industrial art (mostly drafting).

No publications of replies will be made other than maybe the net if there is enough replies for a good-posting.

I will accept any reviews dealing with any of the computers I have listed. ALL will be valuable to my report.

Thank you,

Gregg Thompson
P.S. PLEASE do NOT post replies, instead mail them to me.
{philabs, decwrl, ihnp4, ucbvax, seismo, microsoft}!decvax!cwruecmp!ncoast!
greggt

From -401017466533298697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ae6f2d25a09da7d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-02 18:48:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!genrad!panda!talcott!harvard!seismo!gatech!gt-stratus!
gitpyr!wutka
From: wutka@gitpyr.UUCP (Mark Wutka)
Newsgroups: net.micro.apple
Subject: Mass Storage System for Sale
Message-ID: <1486@gitpyr.UUCP>
Date: Sun, 2-Mar-86 21:48:31 EST
Article-I.D.: gitpyr.1486
Posted: Sun Mar 2 21:48:31 1986
Date-Received: Tue, 4-Mar-86 04:37:48 EST
Organization: Georgia Institute of Technology, Atlanta
Lines: 24

Vista V1200 Mass Storage System for sale. Must be used with Dos Apple
dos 3.3 only. Includes patches for dos 3.3, CP/M and pascal. Complete
with manual, the V1200, four diskettes which contain the above patches,
the A801 controller card, 50 wire ribbon cable and 6 Vistapak car-
tridges which each contains five special diskettes. (Each cartridge
is supposed to store 5 megs)

This is NOT suitable for use on a Bulletin Board System, which is why
it is being sold!

Asking $600 - will take best offer. A generous friend is letting me use
this account. Replys and questions may be sent to Ceal at this path.

--
Mark Wutka
Office of Computing Services
Georgia Institute of Technology
Atlanta, Ga.

...!{akgua,allegra,amd,hplabs,ihnp4,masscomp,ut-ngp}!gatech!gitpyr!wutka
...!{rlgvax,sb1,uf-cgrl,unmvax,ut-sally}!gatech!gitpyr!wutka

Official member of NERDS (NERDS Existing in a Recursively Defined System)

From 9896824868016746669
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,fc2478648d62a8a0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-02 19:30:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!ucbvax!hplabs!tektronix!reed!
kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: EXEC Maker programs
Message-ID: <2646@reed.UUCP>
Date: Sun, 2-Mar-86 22:30:04 EST
Article-I.D.: reed.2646
Posted: Sun Mar 2 22:30:04 1986
Date-Received: Tue, 4-Mar-86 04:04:01 EST
References: <1412@decwrl.DEC.COM>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 58

In article <1412@decwrl.DEC.COM> fitzpatrick@vaxine.DEC writes:
>
>Well, it looks like Sean already did all the work I was planning to do.
>Now this means I'm going to have to take all my cute little utilities and
>clean them up so that someone other than myself can deal with them.
>
>Regarding EXEC files, Sean wrote:
>
>>... It is important I believe to load the text files into a
>>wordprocessor and save them before trying to exec them. I tried to
>>anyway with the DOS Kermit, and all I got were errors untill I did this.
>>...
>>
>>Sean Kamath

A clerification. I downloaded them with ASCII Express Pro. I loaded
them into AppleWriter and then they worked fine.

> [Varioes statements about ASCII & high bits which is correct]
>
>re: Sean's one-liner to make a text file of a BASIC program
>
>I don't believe the POKE 33,33 is correct. This will set the screen
>width to 33 columns (which is what you want to do if you have to retrace a
>line in an Applesoft program and don't want to get a lot of extra spaces
>in a PRINT statement that spans two lines). What Applesoft will do in
>this case is issue a <CR> (which will go into the text file being
>written) after 33 columns of a line are listed. You need to POKE 33 with
>a big number (bigger than the # of chars in the longest line of your
>program) or the resulting file will not EXEC properly. Be sure also to
>issue a NOMON O command to DOS to prevent the overly long lines from

>going to the screen or you could end up clobbering all sorts of memory.
>
>
>Dave FitzPatrick

Dave is right about everything except the way Applesoft handles the poke 33,33 command. It seems that Applesoft does not issue a <CR> after the right number of characters have been output. I tried three different values for the poke 33,x command and made three different file. I tried 33, 40 and 80. I then loaded them into AppleWriter. Even lines longer than 80 characters were intact (no carriage returns). What I do believe is that on the poke 33,40 file, had I had a line with a print statement on it, and had it been longer than 33 characters, you would notice a large space in the middle of that line. Therefore, it seems that you can use either method, poke 33,33 or poke 33,x where x is 1+the longest line length.

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -5895960981172161972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52bab9d64da5fa1b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,52bab9d64da5fa1b,start
X-Google-Attributes: gid11946d,public
X-Google-Thread: 15eac6,52bab9d64da5fa1b,start
X-Google-Attributes: gid15eac6,public
X-Google-ArrivalTime: 1986-03-03 02:55:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple,net.dcom,net.info-terms
Subject: vt100 emulator for apple //e //c and][/][+ posted
Message-ID: <2451@sdcc6.UUCP>
Date: Mon, 3-Mar-86 05:55:10 EST
Article-I.D.: sdcc6.2451
Posted: Mon Mar 3 05:55:10 1986
Date-Received: Tue, 4-Mar-86 04:02:53 EST
Organization: UC San Diego EE/CS Department.
Lines: 21
Keywords: vt100 emulator
Xref: linus net.micro.apple:2336 net.dcom:1507 net.info-terms:401

A vt100 emulator for the Apple //e, //c, and][/][+ has

been posted to net.sources.

Supports:

     Apple 80 column card (in //e AUX slot)
     //c built-in display
     Computer Stop's "Omni" or "Double" vision 80 columns.

     Apple Super Serial Card
     ALS Dispatcher Serial Card
     //c built-in port
     Generic card that supports the Pascal call syntax.

Jim Hayes,   University of California at San Diego

UUCP: {ihnp4, ucbvax, decvax, etc...}!sdcsvax!sdcc6!ix742
ARPA: ix742%sdcc6@UCSD.ARPA
ALDS: (619) 450-9316 (answering machine if not home)
USPS: P.O. Box 7378, La Jolla, CA, 92037

From -2875334227487687545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5174859315deaf6e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-03 07:04:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!genrad!panda!talcott!harvard!cmcl2!lanl!unm-la!unmvax!nmtvax!rob
From: rob@nmtvax.UUCP (Rob Kenyon -A stranger in a stranger land)
Newsgroups: net.micro.apple
Subject: Re: Rumor on the Apple IIx release.
Message-ID: <958@nmtvax.UUCP>
Date: Mon, 3-Mar-86 10:04:38 EST
Article-I.D.: nmtvax.958
Posted: Mon Mar 3 10:04:38 1986
Date-Received: Wed, 5-Mar-86 06:15:27 EST
Reply-To: rob@nmtvax.UUCP (Rob Kenyon -A stranger in a stranger land)
Organization: New Mexico Tech (You call that an Organization?)
Lines: 45

In article <> rodney@gt-oscar.UUCP writes:
>
>   ...and now it's time for some gossip. I pass this on NOT based on how
definite
>this information is, but on how interesting it may be.
>
>   I have heard (from a friend who has a friend who works at Apple) that the
Apple IIx
>will be released this summer. I have not yet found out exactly what the system
will be
>(It WILL use the Western Design Center 65816 chip.), in terms of memory, clock

rate,
>operating system, compatibility, etc. My guess is that it is the operating system that
>is holding them up. The way Apple is heading, they may make it into another "mouse and
>icons" type system.
>
>   Has anybody else out there in netland heard anything? I have a friend with an
>Apple IIe system who is waiting to move up to a IIx, and is dying for lack of
>information. Please, HELP SAVE HIM! :-)
>
>Rodney Ricks
>   Georgia Insitute of Technology   Atlanta, Georgia 30332
>
>UUCP: ...!{akgua,allegra,amd,hplabs,ihnp4,seismo,ut-ngp}!gatech!gt-oscar!rodney
> or :   !gatech!gitpyr!rodney
>Mail: 4265 Hidden Valley Dr.
>   College Park, Ga. 30349

(Sorry about not cutting it down but our termcap for H19s is hopeless.)

Notes (taken by someone else at the apple convention in SF in January)

The new machine is (rumored) to have: 65c816 @ 8Meg and //e compatiblity.

Upgrades from //e to the new machine should be for the difference in cost between the machines.

I want one. (or two)

--

Robert Kenyon   p /
...ucbvax!unmvax!nmtvax!rob   /
rob@nmt   / g

They say there is strangeness too dangerous,
In our theaters and bookstore shelves.
Those who know what's best for us,
Must rise and save us from ourselves.

From 4885555415222594006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b17f2d68e811bf2a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-03 13:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucdcsb
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!uiucdcsb!vanzandt
From: vanzandt@uiucdcsb.CS.UIUC.EDU
Newsgroups: net.micro.apple

Subject: Apple for Sale ($500)
Message-ID: <4600016@uiucdcsb>
Date: Mon, 3-Mar-86 16:45:00 EST
Article-I.D.: uiucdcsb.4600016
Posted: Mon Mar 3 16:45:00 1986
Date-Received: Wed, 5-Mar-86 04:41:39 EST
Lines: 36
Nf-ID: #N:uiucdcsb:4600016:000:1010
Nf-From: uiucdcsb.CS.UIUC.EDU!vanzandt   Mar 3 15:45:00 1986

/* Written 4:00 pm Feb 26, 1986 by vanzandt@uiucdcsb.CS.UIUC.EDU in
uiucdcsb:net.micro */
/* ---------- "Apple for Sale" ---------- */
/* Written 9:12 pm Feb 25, 1986 by vanzandt@uiucdcsb.CS.UIUC.EDU in
uiucdcsb:general */
/* ---------- "Apple for Sale" ---------- */

    Notice of Sale:

    I am placing my Apple on the market, description follows:

        Apple][+ circa 1982
     Apple disk drive (35 track type)
     Zenith BW Monitor
     Microsoft System of:
          Z80 CP/M card,
          16K RAM card,
          Videx Videoterm 80 Column card
     Novation Cat 300 Baud modem

     Original Documentation

     Software including:
          Ascii Express Communications/Terminal Emulation ($100 value)
          WordStar (no documentation)
          Apple Pascal (no doc.)
          and many apple games...

     An excellent package for children, small business, possibly the
     lab, and as a remote terminal.

     If interested, mail me an offer at vanzandt!uiucdcsb.

  Lonnie VanZandt.

/* End of text from uiucdcsb:general */
/* End of text from uiucdcsb:net.micro */

From 8411965507631047844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,27f1f4ba257cf046,start

X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,27f1f4ba257cf046,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,27f1f4ba257cf046,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-03-03 16:28:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site trout.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
noscvax!trout!ganzer
From: ganzer@trout.UUCP (Mark T. Ganzer)
Newsgroups: net.micro.apple,net.micro.cpm,net.wanted.sources
Subject: Wanted: Kermit-80 Patch for Apple w/Premium Softcard IIe
Message-ID: <141@trout.UUCP>
Date: Mon, 3-Mar-86 19:28:32 EST
Article-I.D.: trout.141
Posted: Mon Mar 3 19:28:32 1986
Date-Received: Wed, 5-Mar-86 04:46:27 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 24
Xref: watmath net.micro.apple:2617 net.micro.cpm:5281 net.wanted.sources:1969

I am looking for a Kermit-80 (CP/M-80) overlay or patch that will work on the Microsoft Premium Softcard IIe. The standard Apple CP/M version of Kermit does not work with this card, since it was written for the original Softcard which accesses I/O through the memory-mapped locations in the Apple's memory. The Premium Softcard IIe card contains its own memory and performs I/O through the 6502 micro-processor using a 6502 BIOS program.

Unfortunately, I am not fluent in 8080 assembly language, nor do I have a "Premium Softcard IIe System Programmers Manual" that I could reference to construct a patch. Has anyone out there made this patch or know where I could find one? I am running CP/M Version 2.25 and have a Super Serial Card in Slot 2.

This may be a common problem. I assume this problem also occurs with the new Softcard II, since it also contains its own memory onboard. Any help would be greatly appreciated.

Thank you in advance

Mark Ganzer
Naval Ocean Systems Center
(619) 225-2555

From -1510528683791962033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1d6c16cd08332bea,start
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 152df8,1d6c16cd08332bea,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-03-03 21:24:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site trwrba.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!trwrb!trwrba!rjs
From: rjs@trwrba.UUCP (Robert J. Suyehara)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Apple SCSI Hard Disk
Message-ID: <1888@trwrba.UUCP>
Date: Tue, 4-Mar-86 00:24:41 EST
Article-I.D.: trwrba.1888
Posted: Tue Mar 4 00:24:41 1986
Date-Received: Fri, 7-Mar-86 03:29:36 EST
Organization: TRW EDS, Redondo Beach, CA
Lines: 16
Xref: watmath net.micro.mac:4981 net.micro.apple:2622

According to the March 3rd Infoworld, Apple is close to
introducing a hard disk which will connenct to the SCSI
port of the Mac Plus and the next generation Apple //.

The disk will supposedly be six or seven times faster
than the current Apple Hard Disk 20. The new disk should
be coming from Apple "in the next few months."

When Apple introduces its new hard disk, independent
developers will likely lower prices of their own SCSI port
drives.

No prices were given.

Standard disclaimers apply.

From 2402898795576073770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11946d,bac27ea89b4a507f,start
X-Google-Attributes: gid11946d,public
X-Google-Thread: 15eac6,bac27ea89b4a507f,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,bac27ea89b4a507f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-04 00:29:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple,net.info-terms,net.dcom
Subject: Re: vt100 for][/][+ //e and //c

Message-ID: <2452@sdcc6.UUCP>
Date: Tue, 4-Mar-86 03:29:57 EST
Article-I.D.: sdcc6.2452
Posted: Tue Mar 4 03:29:57 1986
Date-Received: Fri, 7-Mar-86 03:17:44 EST
Organization: UC San Diego EE/CS Department.
Lines: 19
Keywords: forgot to mention...
Xref: watmath net.micro.apple:2620 net.info-terms:854 net.dcom:1717

Forgot to talk about extras:

It also contains ANSI editing functions like:

Insert/Delete characters within a line,
Insert/Delete line. (Does not set the scrolling region.)

Terminals like the mime740 use these ANSI standards, and as a
result, you may obtain even better results (ie. faster character
insertion) by setting your terminal to a mime740 or mime301 or vt220
or vt200....

It has come to my attention that some downloading programs are
playing with high-bits, etc. Strip them. Be aware of this.

-Jim Hayes, UCSD.

UUCP: {ihnp4, ucbvax, decvax}!sdcsvax!sdcc6!ix742
ARPA: ix742%sdcc6@UCSD.ARPA

From -3249443822236612948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c719ae94d75f65a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-04 11:52:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpl.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihlpl!bwf
From: bwf@ihlpl.UUCP (Fecht)
Newsgroups: net.micro.apple
Subject: LisaDraw File Formats
Message-ID: <667@ihlpl.UUCP>
Date: Tue, 4-Mar-86 14:52:02 EST
Article-I.D.: ihlpl.667
Posted: Tue Mar 4 14:52:02 1986
Date-Received: Wed, 5-Mar-86 05:38:19 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 14

Two questions:

Does there exist software anywhere (public domain
or purchasable) that will convert LisaDraw files
to some format digestible by a UNIX graphics
package (like pic)?

Are the file formats for files created by LisaDraw
advertised somewhere?

Responses to ihnp4!ihlpl!bwf

Thanks,
-bill fecht

From -6566345518654244979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1942f92de25c17d9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-04 14:31:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: Whatever happened to the I.A.C.?
Message-ID: <126@tetra.UUCP>
Date: Tue, 4-Mar-86 17:31:28 EST
Article-I.D.: tetra.126
Posted: Tue Mar 4 17:31:28 1986
Date-Received: Fri, 7-Mar-86 06:41:55 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 17

*** LINE THIS MESSAGE WITH YOUR REPLACEMENT ***

Whatever happened to the I.A.C.?

For any readers not familiar with the terminology, the I.A.C.
is the International Apple Core. In 1985, I plunked down $90.00 for
a club membership in the name of the North San Diego Apple
Club, a group my wife and I started up last year. Since then I
have received almost nothing from the I.A.C. A couple of Disks Of the
Month (plus a third mailer which arrived empty!!) and maybe one issue
of the Express, an I.A.C. users periodical. And nothing recently.

The I.A.C. is headquartered in Santa Clara, CA. Any net users in those
parts know what's up?

(My words are my own, and have nothing to do with any official position
taken by the Naval Ocean Systems Center or Computer Sciences Corp.)

From 6843207689438293431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cec53f2a55a0b154,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-04 16:41:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!petrus!scherzo!allegra!princeton!
orsvax1!pyrnj!caip!topaz!friedman
From: friedman@topaz.RUTGERS.EDU (-Gadi)
Newsgroups: net.micro.apple
Subject: mousedesk
Message-ID: <4527@topaz.RUTGERS.EDU>
Date: Tue, 4-Mar-86 19:41:51 EST
Article-I.D.: topaz.4527
Posted: Tue Mar 4 19:41:51 1986
Date-Received: Fri, 7-Mar-86 03:23:07 EST
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 27

Here is a note from a friend of mine. He asked me to post
it to the net.

                              Gadi
            {seismo,harvard}!topaz!friedman
                  FRIEDMAN@TOPAZ.ARPA
                  RUTGERS!SYSOP (CMS NET)
                  Call CMS at 201-932-3887

In A+ I found out that for $10
materials, handling, and shipping charges anyone, until 31-Mar-86, can
reseave a copy of MouseDesk for the apple //c or e128k.

Send to:
MouseDesk Offer
International Solutions
P.O. Box 3541
Saratoga, CA 95070-0443

It says to tell them that A+ sent you.

I am sending away for this today and hope to have it as soon as
possible. I thought that other poeple out in Netland might want to know
about it and I don't have the prevs to do so. So if you will, foward to
net.micro.apple. thanks.

                        Talk to you latter,
                        Phil

From -7707634843982816678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,b5ae8d5fa01487b8
X-Google-Attributes: gid12c65a,public

X-Google-Thread: 12eaa7,b5ae8d5fa01487b8
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 1622d3,b5ae8d5fa01487b8
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,b5ae8d5fa01487b8
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,b5ae8d5fa01487b8
X-Google-Attributes: gid152df8,public
X-Google-Thread: 142096,b5ae8d5fa01487b8
X-Google-Attributes: gid142096,public
X-Google-ArrivalTime: 1986-03-05 10:37:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!rochester!bullwinkle!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP
Newsgroups:
net.micro,net.micro.trs-80,net.micro.amiga,net.micro.mac,net.micro.apple,net.micro
.cbm
Subject: Re: NEED REVIEWS *AND* COMPARISONS among: Amiga, Atari 520, Mac, Tandy
2000
Message-ID: <495@ssc-bee.UUCP>
Date: Wed, 5-Mar-86 13:37:46 EST
Article-I.D.: ssc-bee.495
Posted: Wed Mar 5 13:37:46 1986
Date-Received: Sun, 9-Mar-86 08:38:42 EST
References: <1045@ncoast.UUCP>
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 34
Xref: watmath net.micro:13997 net.micro.trs-80:593 net.micro.amiga:2298
net.micro.mac:5030 net.micro.apple:2632 net.micro.cbm:2064

>
>   The school I go to is seriously thinking of computerizing the Art
> Department and the Industrial Arts. I REALLY NEED reviews of each of the
> following computers (reviews not only about the machine but software too):
> Amiga, Atari 520, Mac, and the Tandy 2000.
>   I need reviews in the following areas: cost, hardware (what comes
> with the base unit and what is available not just from one particular company)*,
> software (what comes with the machine and what is available)*, support
> (technical & demonstration for hardware AND software), bugs, and problems.
>
>   Thank you,
>   Gregg Thompson
> P.S. PLEASE do NOT post replies, instead mail them to me.

I am sorry Gregg, but a few very vocal supporters of the Mac and Amiga have
been very active trying to suppress comparisons of the various machines.
Only owning a lowly Apple 2, I thought the comparisons (not to be confused
with the slander about 'toy computers') were useful for 'the rest of us'
who are considering a purchase. Maybe a few brave souls will once again
sneak in a comparison of the amiga and the new 1040st. But beware of the
flames that will deluge you (and I am sure to get them for this ---DONT

BOTHER, I DONT READ EMAIL FROM OFF-SITE).

In the meantime, you might check the March Byte. Bruce Webster has a flawed comparison of the Amiga vs Atari vs Mac. What I found especially interesting is the price/kilobyte of memory bar chart listing over a dozen computers. I think the review is flawed because he compares vaporware for one machine against deliverables for another machine, and does not use standard, base systems for his comparison (a 2-Mbyte Mac, com'on Bruce!).

--
     Mike Eve   Boeing Aerospace, Seattle
     ...uw-beaver!ssc-vax!ssc-bee!eve

From 3872198351672929392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fc18ae0bf3cfcb5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-05 15:09:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site excalibur.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!burdvax!psuvax1!vu-vlsi!excalibur!188622462
From: 188622462@excalibur.UUCP (Greene T Richard)
Newsgroups: net.micro.apple
Subject: "apple iix"
Message-ID: <423@excalibur.UUCP>
Date: Wed, 5-Mar-86 18:09:10 EST
Article-I.D.: excalibu.423
Posted: Wed Mar 5 18:09:10 1986
Date-Received: Sun, 9-Mar-86 00:20:28 EST
Distribution: net
Lines: 31

In aricle <1482@gitpyr.UUCP> rodney@gitpyr.UUCP (RODNEY RICKS) writes:
>
>   ...and now it's time for some gossip. I pass this on NOT based on how
>definite this information is, but on how interesting it may be.
>
>   I have heard (from a friend who has a friend who works at Apple) that
>the Apple IIx will be released this summer. I have not yet found out
>exactly what the system will be (It WILL use the Western Design Center
>65816 chip.), in terms of memory, clock rate, operating system,
>compatibility, etc. My guess is that it is the operating system that
>is holding them up. The way Apple is heading, they may make it into
>another "mouse and icons" type system.
>
>   Has anybody else out there in netland heard anything? I have a friend with
>an Apple IIe system who is waiting to move up to a IIx, and is dying for lack
>of information. Please, HELP SAVE HIM! :-)
>
For some more information, look at the March 86 issue of Nibble magazine.

I believe they devoted the editor's column to this issue. Some very neat
ideas are put forth as to what this new compuer will have, including the
biggest thing (to me), compatible with the rest of the Apple II family, and
able to read data from the Mac through the UniDisk (3.5" disk) media.

Rick Greene
      ...!ihnp4!psuvax1!vu-vlsi!excalibur!188622462

My opinions are strictly my own, and no other company, person, or other
  sentient being can be blamed for them.

Paraphrase from Nibble Magazine, March 1986 issue, and they also have no
  ties with what little thought proccesses I have.

From -4054675828568122316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9b6c33665d7333ee
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,9b6c33665d7333ee
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-05 19:06:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!sun!david
From: david@sun.uucp (David DiGiacomo)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Re: 16-bit Apple //[ce]
Message-ID: <3329@sun.uucp>
Date: Wed, 5-Mar-86 22:06:04 EST
Article-I.D.: sun.3329
Posted: Wed Mar 5 22:06:04 1986
Date-Received: Sat, 8-Mar-86 02:28:59 EST
References: <266@isosvax.UUCP>
Reply-To: david@sun.uUCp (David DiGiacomo)
Organization: Sun Microsystems, Inc.
Lines: 16
Xref: watmath net.micro.apple:2625 net.micro.mac:4999

In article <266@isosvax.UUCP> nate@isosvax.UUCP (Nate LeSane) writes:
>Feb. 17 issue of InfoWorld has article stating that Apple, Inc. is
>shipping a the new Apple //, based on the 65C816(8/16 bit 6502) micro-
>processor, to developers. The system is code named "Gumby".
>
>Not only is this system compatible with all Apple // software, also the
>65C816 supposedly has a 68000 emulation mode which will allow the system
>to execute Macintosh software. The system is being shipped with 3 1/2"
>media.

This is typical Infoworld idiocy. The 65C816 emulates the 6502, not
the 68000.

--
David DiGiacomo {decvax, ihnp4, ucbvax}!sun!david david@sun.arpa
Sun Microsystems, Mt. View, CA (415) 960-7495

From -3787723247600599749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5174859315deaf6e
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 124863,542bae66fee330fb,start
X-Google-Attributes: gid124863,public
X-Google-ArrivalTime: 1986-03-06 08:53:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site oucs.UUCP
Path: utzoo!watmath!clyde!cbosgd!oucs!joe
From: joe@oucs.UUCP (Joseph Judge)
Newsgroups: net.micro.apple,net.music
Subject: Rumor on the Apple IIx release. (really Rush)
Message-ID: <135@oucs.UUCP>
Date: Thu, 6-Mar-86 11:53:15 EST
Article-I.D.: oucs.135
Posted: Thu Mar 6 11:53:15 1986
Date-Received: Fri, 7-Mar-86 07:37:20 EST
References: <958@nmtvax.UUCP>
Organization: Ohio University, Athens
Lines: 26
Xref: watmath net.micro.apple:2624 net.music:12418

>
> They say there is strangeness too dangerous,
> In our theaters and bookstore shelves.
> Those who know what's best for us,
> Must rise and save us from ourselves.

There are those who think that Life is nothing left to chance,
A host of Holy-Rollers to direct our aimless paths.
         -Rush

Must I feel what I always feel, what nonsense,
People are drifting like the winds on the seas,
With no direction, they get restless and bored,
No way forward, No way back, Just existence.
     -Howard Jones

Its great to see another Rush fan!
Ever read any Rand (they get/got a lot of ideas/lyrics from her writings.
?
--
Joseph Judge
C.S Department
414 Morton Hall
Ohio University
Athens, Ohio 45701

ihnp4!{amc1,cbdkc1,cbosgd,cuuxb,}!oucs!joe

From 6565890812452033124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90af5423b08aae30,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,90af5423b08aae30,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13cc7c,90af5423b08aae30,start
X-Google-Attributes: gid13cc7c,public
X-Google-ArrivalTime: 1986-03-06 09:37:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site loral.UUCP
Path: utzoo!decvax!ittatc!dcdwest!sdcsvax!sdcc6!loral!miller
From: miller@loral.UUCP (David P. Miller)
Newsgroups: net.kids,net.micro,net.micro.apple
Subject: MICROZINE tm.
Message-ID: <1064@loral.UUCP>
Date: Thu, 6-Mar-86 12:37:38 EST
Article-I.D.: loral.1064
Posted: Thu Mar 6 12:37:38 1986
Date-Received: Sat, 8-Mar-86 12:51:37 EST
Reply-To: miller@loral.UUCP (David P. Miller)
Distribution: na
Organization: Loral Instrumentation, San Diego
Lines: 20
Xref: dcdwest net.kids:2557 net.micro:9476 net.micro.apple:2558

I recently received literature on a computer learning software library,for kids,
called MICROZINE, which is sold by a company named Scholastic.
The literature they sent is full of sales hype and pretty brochures, which makes
me kind of suspicious, but the price and concept seem attractive.
I would like to buy it for my 6 1/2 years old daughter. She is pretty advanced
for her age group and enjoys learning a whole lot.
I wonder how many of you out there have bought this software, and what are your
impressions on it. Is it a good value ?. Would you, or your young one, recomend
it to others ?. Does it emphasize entertaining more than teaching and informing?
I would greatly appreciate any experienced input on this matter.

                  Thanks in advanced, BIG DAVE.

--

David P. Miller - Loral Instrumentation.   /   USUAL   \
sdcsvax!sdcc3!loral!miller   \ DISCLAIMER /
****
"Sticks and stones may hurt my bones but words ...."

From 3814251661919820784
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 152df8,1d6c16cd08332bea
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,1d6c16cd08332bea
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-06 17:21:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!orsvax1!pyrnj!caip!
seismo!lll-crg!lll-lcc!qantel!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: Apple SCSI Hard Disk
Message-ID: <2713@reed.UUCP>
Date: Thu, 6-Mar-86 20:21:26 EST
Article-I.D.: reed.2713
Posted: Thu Mar 6 20:21:26 1986
Date-Received: Sun, 9-Mar-86 09:09:58 EST
References: <1888@trwrba.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 22
Xref: watmath net.micro.mac:5034 net.micro.apple:2634

In article <1888@trwrba.UUCP> rjs@trwrba.UUCP (Robert J. Suyehara) writes:
>According to the March 3rd Infoworld, Apple is close to
>introducing a hard disk which will connenct to the SCSI
>port of the Mac Plus and the next generation Apple //.
>
>The disk will supposedly be six or seven times faster
>than the current Apple Hard Disk 20. The new disk should
>be coming from Apple "in the next few months."
>
>When Apple introduces its new hard disk, independent
>developers will likely lower prices of their own SCSI port
>drives.
>
>No prices were given.
>
>
>Standard disclaimers apply.

also, it seems that that hard disk will be supported by the new //x or
whatever you want to call it.

Sean Kamath

From -2377988421050343293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,ba73645fd5b7bb59
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,ba73645fd5b7bb59
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-06 19:12:59 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucsfcca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!ucsfcgl!ucsfcca!dick
From: dick@ucsfcca.UUCP (Dick Karpinski)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Re: pascal on Apple // computers
Message-ID: <446@ucsfcca.UUCP>
Date: Thu, 6-Mar-86 22:12:59 EST
Article-I.D.: ucsfcca.446
Posted: Thu Mar 6 22:12:59 1986
Date-Received: Sun, 9-Mar-86 00:05:00 EST
References: <124@tetra.UUCP>
Reply-To: dick@ucsfcca.UUCP (Dick Karpinski)
Distribution: net
Organization: UCSF Computer Center
Lines: 18
Xref: watmath net.lang.pascal:510 net.micro.apple:2627

In article <124@tetra.UUCP> rupp@tetra.UUCP (William L. Rupp) writes:
>
>   1. The implementation should run on Apple //e, //c, and, if possible
>   2. Should be reasonable in price. (i.e. under $100.00).
>   3. Produces executable code as opposed to P-code (U.C.S.D. PASCAL
>   does this, I think. I prefer stand-alone executables).
Aside from the fact that pure machine code takes so much room that you
can't run a big program on an Apple that way, the p-system from
Pecan Software, 1410 39th St, Brooklyn, NY 11218 may be just what you
want. It is p-code, but there is a native code generator for the part
that needs to be fast. Compile/edit cycle is pretty good.
   Dick
--

Dick Karpinski   Manager of Unix Services, UCSF Computer Center
UUCP: ...!ucbvax!ucsfcgl!cca.ucsf!dick   (415) 476-4529 (12-7)
BITNET: dick@ucsfcca   Compuserve: 70215,1277 Telemail: RKarpinski
USPS: U-76 UCSF, San Francisco, CA 94143

From 2489397851122128806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9b6c33665d7333ee
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,9b6c33665d7333ee
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-07 05:56:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!umcp-cs!aplcen!jhunix!ins_aeas
From: ins_aeas@jhunix.UUCP
Newsgroups: net.micro.apple,net.micro.mac
Subject: Re: 16-bit Apple //[ce]
Message-ID: <2123@jhunix.UUCP>
Date: Fri, 7-Mar-86 08:56:35 EST

Article-I.D.: jhunix.2123
Posted: Fri Mar 7 08:56:35 1986
Date-Received: Sun, 9-Mar-86 08:43:43 EST
References: <266@isosvax.UUCP> <3329@sun.uucp>
Organization: The Johns Hopkins University
Lines: 31
Xref: watmath net.micro.apple:2633 net.micro.mac:5032

> In article <266@isosvax.UUCP> nate@isosvax.UUCP (Nate LeSane) writes:
> >
> >Not only is this system compatible with all Apple // software, also the
> >65C816 supposedly has a 68000 emulation mode which will allow the system
> >to execute Macintosh software. The system is being shipped with 3 1/2"
> >media.
>
> This is typical Infoworld idiocy. The 65C816 emulates the 6502, not
> the 68000.
>
> --
> David DiGiacomo {decvax, ihnp4, ucbvax}!sun!david david@sun.arpa
> Sun Microsystems, Mt. View, CA (415) 960-7495
The 65816 may not have a built in 68000 emulation mode, but what is to stop
one from writing a 68000 emulator in software on the 65816? I wrote a 6502
emulator to run on a 3b20, and probably could do it the othewr way around, too,
if one could accept an execution speed of 1 ins./sec or so:-).

--
Earle A. Sugar
Disclaimer:"Nobody else here at JHU ever agrees with my opinions"
          USENET: ...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_aeas
          CSNET:ins_aeas@jhunix.csnet
          ARPA:ins_aeas%jhunix.csnet@csnet-relay.arpa
       BITNET: INS_BEAS@JHUVMS (as a last resort)
     or call 301-889-0815 after 6 P.M. EST
This month's wise advice:
"Don't step on anyone on your way up the ladder; you might meet them
on the way back down"

From -2793185608869078425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fc18ae0bf3cfcb5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-07 14:31:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: Re: "apple iix"

Message-ID: <128@tetra.UUCP>
Date: Fri, 7-Mar-86 17:31:43 EST
Article-I.D.: tetra.128
Posted: Fri Mar 7 17:31:43 1986
Date-Received: Sun, 9-Mar-86 00:38:55 EST
References: <423@excalibur.UUCP>
Reply-To: rupp@tetra.UUCP (William L. rupp)
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 19

In article <423@excalibur.UUCP> 188622462@excalibur.UUCP (Greene T Richard)
writes:
>In aricle <1482@gitpyr.UUCP> rodney@gitpyr.UUCP (RODNEY RICKS) writes:
>>
>>   I have heard (from a friend who has a friend who works at Apple) that
>>the Apple IIx will be released this summer. I have not yet found out
>>exactly what the system will be (It WILL use the Western Design Center
>>
>For some more information, look at the March 86 issue of Nibble magazine.
>I believe they devoted the editor's column to this issue. Some very neat
>ideas are put forth as to what this new compuer will have, including the
>
>Rick Greene
>   ...!ihnp4!psuvax1!vu-vlsi!excalibur!188622462

Seems to me that the editor was putting forth some nice features that
the advanced Apple // MIGHT have, not WILL have. I know as little as
most people about this, but I think it is a little too much to expect
any compatibility with Macintosh software. Even if it were possible, I
do not think Apple would necessarily like the idea.

From -5921658169691454484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb87799d42e6ed98
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-08 00:41:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 from ihnp4 4.3bsd-beta 6/6/85; site chinet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!chinet!larryv
From: larryv@chinet.UUCP (Larry W. Virden)
Newsgroups: net.micro.apple
Subject: Re: Need TERMINFO for Apple Access
Message-ID: <388@chinet.UUCP>
Date: Sat, 8-Mar-86 03:41:26 EST
Article-I.D.: chinet.388
Posted: Sat Mar 8 03:41:26 1986
Date-Received: Sun, 9-Mar-86 08:30:56 EST
References: <112@nvuxb.UUCP>
Reply-To: larryv@chinet.UUCP (Larry W. Virden)
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 9

What I am looking for is termcaps/terminfo info for a IIe/IIc WITHOUT a
terminal "emulator" as such - a friend is using the firmware within a
Prometheus card to talk to work. It has data capture and transfer
capabilities, but does no emulation; just vanilla Apple.
--
Larry W. Virden
A user of the Free Access chinet board...
...!chinet!larryv

From -7403880306941980863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b0f76d887352db8f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-09 20:59:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple
Subject: Vt100 Emultor for][/][+ //e //c (repost)
Message-ID: <2466@sdcc6.UUCP>
Date: Sun, 9-Mar-86 23:59:59 EST
Article-I.D.: sdcc6.2466
Posted: Sun Mar 9 23:59:59 1986
Date-Received: Wed, 12-Mar-86 03:41:16 EST
Organization: UC San Diego EE/CS Department.
Lines: 1233

I have received much mail about sites not carrying net.sources, so I
am reposting.   I apologize if you have seen it already.

If you have any of the following stuffed inside your Apple, you have
a vt100 waiting for you:

80 column cards:
     //e 80 column card in the aux slot
     //c 80 column display (built-in)
     Computer Stop (Torrance,CA) "Double" or "Omni" Vision 80 col.

Serial cards:
     Apple Super Serial card (in slot 2)
     Apple //c serial port (built-in)
     ALS Dispatcher serial card
     Generic card compatible with the Pascal calling protocol

>>>> Basically, it works like vt100. Period. <<<<

If you can't download or can't get it to work, (as a service) I

will send you a working disk complete with source code. Send a
disk (with mailer) and enough $$ so I can mail it back to you. If you
don't want to bother with a disk & mailer, just send $9 (cost of disk,
mailer, postage, gas, etc..). The address: Jim Hayes, P.O. Box 7378,
La Jolla, CA 92037. All requests will be sent-out between midterms
and finals. No requests will be honored after May 1st.

Since the first posting, people have said the arrow keys aren't
working as they should. Mine work. Please let me know if you have
problems. Remember, Open or closed apple + the arrow key.

Also, be sure you use a FRESHLY INITED DOS 3.3 DISK. (ie. no files.)

```
-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT-----CUT-----
#! /bin/sh
# This is a shell archive, meaning:
# 1. Remove everything above the #! /bin/sh line.
# 2. Save the resulting text in a file.
# 3. Execute the file with /bin/sh (not csh) to create the files:
#    unpack.info
#    instructions
#    to.apple
# This archive created: Mon Mar  3 02:10:51 1986
# By:    James Hayes (UC San Diego EE/CS Department.)
export PATH; PATH=/bin:$PATH
echo shar: extracting "'unpack.info'" '(1490 characters)'
if test -f 'unpack.info'
then
     echo shar: will not over-write existing file "'unpack.info'"
else
sed 's/^XX//' << \SHAR_EOF > 'unpack.info'
XX------------------------------------------------------------------------
XXNOTE:  This is test version.  EVERY ATTEMPT has been made to make
XXthis program problem free. If you do find a problem:
XX
XXJim Hayes
XXP.O. Box 7378,     (619) 450-9316      ('Till June '86)
XXLa Jolla, CA
XX    92037
XX
XXJim Hayes
XX5026 Blackhorse Rd.  (213) 377-3001    (After June '86)
XXRancho P.V., CA
XX       90274
XX------------------------------------------------------------------------
XXIF YOU SUCCESSFULLY UNPACK AND RUN THE PROGRAM, LET ME KNOW!
XX
XXUUCP:  {ihnp4, ucbvax, decvax}!sdcsvax!sdcc6!ix742
XXARPA:  ix742%sdcc6@UCSD.ARPA
XX------------------------------------------------------------------------
XX
XXInstructions for unpacking:
```

```
XX
XXDownload the "to.apple" file to a freshly initialized DOS 3.3
XXdiskette.  When finished, log out and boot the disk with the
XX"to.apple" file on it.   At the ']' prompt type:
XX
XXEXEC TO.APPLE
XX
XXin about 3 minutes time, all the necessary files will be unpacked
XXfrom "to.apple" and deposited on the disk.  Don't be alarmed if you
XXdon't to see your particular hardware drivers. Some of the drivers
XXdo the work for many hardware configurations.
XX
XXAfter your system has pronounced itself sane, and unpacking has
XXfinished, type "RUN HELLO" at the ']' prompt.
XX
XXFor first time use, you need to tell the program what hardware you
XXhave.  So, type <ESC> when asked if you want to start the terminal.
XX
XXYou only have to configure once, and can change the configuration at
XXany time.  (Continued in the file, "instructions".)
SHAR_EOF
if test 1490 -ne "`wc -c < 'unpack.info'`"
then
     echo shar: error transmitting "'unpack.info'" '(should have been 1490
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'instructions'" '(2601 characters)'
if test -f 'instructions'
then
     echo shar: will not over-write existing file "'instructions'"
else
sed 's/^XX//' << \SHAR_EOF > 'instructions'
XXDCOM 3.1     -  Bug reports to ix742%sdcc6@UCSD.EDU
XX
XXHERE ARE THE QUICKY INSTRUCTIONS:
XX
XXAfter successfully unpacking your vt100 emulator, run the startup
XXprogram "HELLO".
XX
XXYou will be greeted with a message asking you to hit <RETURN> to start
XXthe terminal, or <ESC> to configure the terminal.  Type <ESC>.
XX
XXYou will be asked 4 questions:
XX
XX  1) Your 80 column screen type.
XX  2) Your serial card type.
XX  3) Save configuration or abort.
XX  4) Exit to DOS or run terminal.
XX
XXWhen you run the terminal, your default drivers will be loaded, and
XXthe message "Go..." will appear on the screen, indicating that you are
XXnow a vt100 talking to your (probably Hayes compatible) modem.  Dial
```

```
XXyour site and login as usual.
XX
XX---------------------------------------------------------------------
XXVt100 special keys:
XX
XXA word on notation: OA/CA means Open Apple or Closed Apple.  For you
XXApple ][/][+ use paddle buttons 1 or 2. When this notation is used,
XXpress and HOLD the open or closed apple button and strike the key
XXrequested..
XX
XXSpecial keys:
XX
XXApple keyboard key             Actual vt100 key
XX
XXOA/CA K,k or [UP ARROW]        [UP ARROW]
XX  "   J,j or [DOWN ARROW]      [DOWN ARROW]
XX  "   H,H or [LEFT ARROW]      [LEFT ARROW]
XX  "   L,l or [RIGHT ARROW]          [RIGHT ARROW]
XX
XX  "   Q,q                      [Pf1]
XX  "   W,w                 [Pf2]
XX  "   E,e                 [Pf3]
XX  "   R,r                 [Pf4]
XX
XX  "   B,b                 [BREAK]  (Sends break if possible)
XX  "   <ESC>               [SET-UP]
XX
XXTo send the vt100 keypad key codes, hold down the open or closed apple
XXkey and type the number or digit on your regular Apple keyboard.
XXi.e.:
XX
XXApple keyboard key             Actual vt100 key
XX
XXOA/CA  1                  [KEYPAD 1]
XXOA/CA  <RETURN>               [KEYPAD ENTER]
XXOA/CA  ,                  [KEYPAD ,]
XXetc...
XX
XX
XX---------------------------------------------------------------------
XXSET-UP Menu:
XX
XXGet there by OA/CA <ESC>.
XX
XXAll options are in plain English and are self explanitory.  Here are
XXsome highlights:
XX
XX@ - Exits the terminal
XX
XXR - Resets (rather spectacularly) the terminal to a usable state.
XX    This is useful when phone-line noise has put the terminal in
XX    reverse video, line drawing character set, or insert mode.
XX
```

```
XXM - Gives you the serial (modem) transmission parameters.
XX    (when N/A appears by an option, you hard does not allow the
XX     setting of this option by software. i.e. Use dipswitches on card
XX     instead.)
XX
XXS - Save terminal codes upon exit. (see '@' above.)
XX
XX---------------------------------------------------------------------
XX
XXBasically:  Use this as if you were typing at a vt100 in your office.
XX
XXIf any more information is desired, (619) 450-9316 until June of this
XXyear.
XX
XX                      Have fun,
XX
XX                           Jim Hayes
SHAR_EOF
if test 2601 -ne "`wc -c < 'instructions'`"
then
     echo shar: error transmitting "'instructions'" '(should have been 2601
characters)'
fi
fi # end of overwriting check
echo shar: extracting "'to.apple'" '(36503 characters)'
if test -f 'to.apple'
then
     echo shar: will not over-write existing file "'to.apple'"
else
sed 's/^XX//' << \SHAR_EOF > 'to.apple'
XXNOMON I,O,C
XXTEXT:HOME:PRINT "UNPACKING:":?"MAIN CODE":POKE 34,3:HOME:CALL -151
XX2000: 4C 10 20 4C 62 20 4C B5
XX2008: 20 4C DB 20 00 00 00 00 20 00
XX2012: 50 A2 17 8E 13 03 A2 20 8E 08
XX201C: 03 A2 00 8E 0C 20 8E 0D 20 8E
XX2026: 12 03 8E 0C 03 20 00 40 20 03
XX2030: 50 A2 00 8E 0F 03 8E 10 03 8E
XX203A: FF 02 20 21 50 A9 47 20 DB 20
XX2044: A9 6F 20 DB 20 A9 2E 48 20 DB
XX204E: 20 68 48 20 DB 20 68 20 DB 20
XX2058: A9 0D 20 DB 20 A9 0A 20 DB 20
XX2062: AD FF 02 30 19 2C 00 C0 30 15
XX206C: 20 1E 50 20 A6 20 90 EE 20 D1
XX2076: 20 8D 0F 20 20 DB 20 4C 62 20
XX2080: 60 8D 10 C0 AD 00 C0 20 B5 20
XX208A: 20 00 60 2C 07 03 30 03 4C 98
XX2094: 20 20 DB 20 2C 06 03 10 C5 A0
XX209E: 0A 20 76 21 4C 62 20 60 20 B5
XX20A8: 20 AD 0C 20 CD 0D 20 F0 02 38
XX20B2: 60 18 60 48 98 48 20 03 40 90
XX20BC: 10 20 06 40 C9 00 F0 09 AE 0D
XX20C6: 20 9D E9 27 EE 0D 20 68 A8 68
```

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XX20D0: 60 AE 0C 20 BD E9 27 EE 0C 20
XX20DA: 60 C9 7F F0 2A C9 18 F0 21 C9
XX20E4: 1A F0 1D AC 1C 03 C0 00 F0 28
XX20EE: C0 01 F0 18 C0 02 F0 17 C0 03
XX20F8: F0 16 C0 04 F0 15 20 74 21 20
XX2102: 74 21 A2 00 8E 1C 03 60 4C F0
XX210C: 21 4C AC 22 4C 7D 23 4C 27 50
XX2116: C9 20 90 03 4C 60 21 C9 07 F0
XX2120: 2A C9 08 F0 29 C9 09 F0 28 C9
XX212A: 0A F0 27 C9 0B F0 23 C9 0C F0
XX2134: 1F C9 0D F0 1E C9 0E F0 1D C9
XX213E: 0F F0 1C C9 1B D0 05 A0 01 8C
XX2148: 1C 03 60 4C 74 21 4C 8D 21 4C
XX2152: 9E 21 4C B8 21 4C C6 21 4C E3
XX215C: 21 4C D7 21 2C 09 03 10 0C 2C
XX2166: 0A 03 30 02 A9 2D 20 27 50 A9
XX2170: 20 4C 27 50 A0 64 A2 09 20 82
XX217A: 21 2C 30 C0 88 D0 F5 60 8A 48
XX2184: 20 B5 20 68 AA CA D0 F6 60 20
XX218E: 1B 50 CE 0F 03 AE 0F 03 10 03
XX2198: EE 0F 03 4C 21 50 20 1B 50 AE
XX21A2: 0F 03 E0 4F F0 0A E8 E0 4F F0
XX21AC: 05 BD 20 03 F0 F6 8E 0F 03 4C
XX21B6: 21 50 20 1B 50 2C 03 03 10 03
XX21C0: 4C 42 50 4C 45 50 20 1B 50 A2
XX21CA: 00 8E 0F 03 2C 04 03 30 F0 20
XX21D4: 21 50 60 A2 00 8E 19 03 AE 16
XX21DE: 03 8E 0B 03 60 A2 FF 8E 19 03
XX21E8: AE 17 03 8E 0B 03 60 00 C9 5B
XX21F2: B0 1F C9 41 90 03 4C 29 22 C9
XX21FC: 3A B0 07 C9 30 90 03 4C 29 22
XX2206: C9 23 D0 09 A2 02 8D EF 21 8E
XX2210: 1C 03 60 C9 5B D0 05 A2 03 4C
XX221A: 0F 22 C9 28 F0 EA C9 29 F0 E6
XX2224: A2 00 4C 0F 22 A0 00 8C 1C 03
XX222E: C9 44 F0 19 C9 45 F0 18 C9 4D
XX2238: F0 17 C9 37 F0 16 C9 38 F0 15
XX2242: C9 48 F0 14 A2 00 4C 0F 22 4C
XX224C: 5D 22 4C 63 22 4C 69 22 4C 85
XX2256: 22 4C 91 22 4C A3 22 20 1B 50
XX2260: 4C 45 50 20 1B 50 4C 42 50 20
XX226A: 1B 50 AC 10 03 88 C0 FF F0 05
XX2274: CC 12 03 B0 06 20 18 50 AC 12
XX227E: 03 8C 10 03 4C 21 50 A2 10 BD
XX2288: 00 03 9D 00 82 CA 10 F7 60 20
XX2292: 1B 50 A2 10 BD 00 82 9D 00 03
XX229C: CA 10 F7 20 21 50 60 AE 0F 03
XX22A6: A9 FF 9D 20 03 60 AC EF 21 C0
XX22B0: 28 F0 07 C0 29 F0 03 4C ED 22
XX22BA: C9 42 D0 26 A2 00 C0 28 F0 06
XX22C4: 8E 17 03 4C CD 22 8E 16 03 AE
XX22CE: 19 03 10 09 AE 17 03 8E 0B 03
XX22D8: 4C 0D 23 AE 16 03 8E 0B 03 4C
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XX22E2: 0D 23 C9 30 D0 D6 A2 FF 4C C0
XX22EC: 22 C0 23 D0 1C C9 33 F0 1E C9
XX22F6: 34 F0 2E C9 35 F0 3E C9 36 F0
XX2300: 12 C9 31 F0 36 C9 32 F0 0A C9
XX230A: 38 F0 4B A2 00 8E 1C 03 60 20
XX2314: 1B 50 20 5E 23 AC 10 03 A9 C0
XX231E: 99 80 03 20 21 50 4C 0D 23 20
XX2328: 1B 50 20 5E 23 AC 10 03 A9 80
XX2332: 99 80 03 20 21 50 4C 0D 23 20
XX233C: 1B 50 AC 10 03 B9 80 03 10 07
XX2346: AD 0F 03 4A 8D 0F 03 A9 00 99
XX2350: 80 03 20 21 50 4C 0D 23 20 3C
XX235A: 50 4C 0D 23 AC 10 03 B9 80 03
XX2364: 10 01 60 AD 0F 03 0A C9 28 B0
XX236E: 04 8D 0F 03 60 A9 27 8D 0F 03
XX2378: 60 FF 00 00 00 2C 79 23 10 14
XX2382: A2 00 8E 70 03 8E 71 03 8E 7A
XX238C: 23 8E 7B 23 8E 7C 23 8E 79 23
XX2396: C9 1B D0 06 A2 01 8E 1C 03 60
XX23A0: C9 3B D0 04 20 E8 23 60 C9 7B
XX23AA: B0 0A C9 41 90 06 20 E8 23 4C
XX23B4: 23 24 C9 3F D0 05 A2 FF 8E 7C
XX23BE: 23 C9 3A B0 1A C9 30 90 16 38
XX23C8: E9 30 A8 AD 7A 23 0A 0A 0A 0A
XX23D2: 8D 7A 23 98 18 6D 7A 23 8D 7A
XX23DC: 23 60 00 0A 14 1E 28 32 3C 46
XX23E6: 50 5A A8 AD 7A 23 29 F0 4A 4A
XX23F0: 4A 4A 29 0F AA BD DE 23 AA AD
XX23FA: 7A 23 29 0F 8D 7A 23 8A 18 6D
XX2404: 7A 23 AE 7B 23 9D 70 03 98 A2
XX240E: 00 8E 7A 23 EE 7B 23 AE 7B 23
XX2418: E0 0A B0 01 60 A2 00 8E 7B 23
XX2422: 60 A2 00 8E 1C 03 A2 FF 8E 79
XX242C: 23 C9 41 F0 57 C9 42 F0 56 C9
XX2436: 43 F0 55 C9 44 F0 54 C9 48 F0
XX2440: 53 C9 66 F0 4F C9 4B F0 4E C9
XX244A: 4A F0 4D C9 67 F0 4C C9 68 F0
XX2454: 4B C9 6C F0 4A C9 52 F0 49 C9
XX245E: 63 F0 48 C9 50 F0 47 C9 4C F0
XX2468: 46 C9 4D F0 45 C9 54 F0 44 C9
XX2472: 53 F0 43 C9 6D F0 42 C9 72 F0
XX247C: 41 A9 7F 20 27 50 A0 0A 20 76
XX2486: 21 60 4C C1 24 4C E6 24 4C 10
XX2490: 25 4C 33 25 4C 59 25 4C 8B 25
XX249A: 4C AD 25 4C CB 25 4C E1 25 4C
XX24A4: 6A 26 4C 1A 27 4C F6 26 4C 1D
XX24AE: 27 4C 31 27 4C 45 27 4C 59 27
XX24B8: 4C 73 27 4C 8D 27 4C AE 27 20
XX24C2: 1B 50 AC 70 03 D0 02 A0 01 98
XX24CC: 48 CE 10 03 10 0B 2C 02 03 10
XX24D6: 03 20 18 50 EE 10 03 68 A8 88
XX24E0: D0 E9 20 21 50 60 20 1B 50 AC
XX24EA: 70 03 D0 02 A0 01 98 48 EE 10
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XX24F4: 03 AC 10 03 C0 18 90 0B 2C 02
XX24FE: 03 10 03 20 15 50 CE 10 03 68
XX2508: A8 88 D0 E4 20 21 50 60 20 1B
XX2512: 50 AD 70 03 D0 02 A9 01 18 6D
XX251C: 0F 03 C9 50 B0 07 8D 0F 03 20
XX2526: 21 50 60 A9 4F 8D 0F 03 20 21
XX2530: 50 60 00 20 1B 50 AD 70 03 D0
XX253A: 02 A9 01 8D 32 25 AD 0F 03 38
XX2544: ED 32 25 30 07 8D 0F 03 20 21
XX254E: 50 60 A9 00 8D 0F 03 20 21 50
XX2558: 60 20 1B 50 AC 70 03 D0 02 A0
XX2562: 01 AE 71 03 D0 02 A2 01 88 B9
XX256C: 80 03 C0 18 90 02 A0 00 CA 2A
XX2576: 90 03 8A 0A AA E0 50 90 02 A2
XX2580: 00 8C 10 03 8E 0F 03 20 21 50
XX258A: 60 AE 70 03 D0 09 20 1B 50 20
XX2594: 0F 50 4C 21 50 E0 01 D0 03 4C
XX259E: 30 50 20 1B 50 AC 10 03 20 06
XX25A8: 50 20 21 50 60 AE 70 03 D0 09
XX25B2: 20 1B 50 20 12 50 4C 21 50 E0
XX25BC: 01 D0 03 4C 33 50 20 1B 50 20
XX25C6: 03 50 4C 21 50 AE 70 03 F0 0B
XX25D0: A2 79 A9 00 9D 20 03 CA 10 FA
XX25DA: 60 A9 00 9D 20 03 60 AE 7B 23
XX25E4: D0 02 A2 01 8E 0E 20 2C 7C 23
XX25EE: 30 2E BD 6F 03 A8 F0 6A C0 04
XX25F8: D0 08 A2 FF 8E 01 03 4C 60 26
XX2602: C0 05 F0 F4 C0 0C D0 08 A2 FF
XX260C: 8E 07 03 4C 60 26 C0 14 D0 4A
XX2616: A2 FF 8E 03 03 4C 60 26 BD 6F
XX2620: 03 A8 A2 FF C0 01 D0 06 8E 15
XX262A: 03 4C 60 26 C0 02 D0 06 8E 0D
XX2634: 03 4C 60 26 C0 05 D0 10 2C 08
XX263E: 03 30 1F A2 A0 8E 08 03 20 3F
XX2648: 50 4C 60 26 C0 06 D0 06 8E 18
XX2652: 03 4C 60 26 C0 07 D0 03 8E 05
XX265C: 03 4C 60 26 AE 0E 20 CA D0 01
XX2666: 60 4C E8 25 AE 7B 23 D0 02 A2
XX2670: 01 8E 0E 20 2C 7C 23 30 2E BD
XX267A: 6F 03 A8 F0 6D C0 04 D0 08 A2
XX2684: 00 8E 01 03 4C EC 26 C0 05 F0
XX268E: F4 C0 0C D0 08 A2 00 8E 07 03
XX2698: 4C EC 26 C0 14 D0 4D A2 00 8E
XX26A2: 03 03 4C EC 26 BD 6F 03 A8 A2
XX26AC: 00 C0 01 D0 06 8E 15 03 4C EC
XX26B6: 26 C0 02 D0 06 8E 0D 03 4C EC
XX26C0: 26 C0 05 D0 10 2C 08 03 10 22
XX26CA: A2 20 8E 08 03 20 3F 50 4C EC
XX26D4: 26 C0 06 D0 06 8E 18 03 4C EC
XX26DE: 26 C0 07 D0 06 8E 05 03 4C EC
XX26E8: 26 4C EC 26 AE 0E 20 CA D0 01
XX26F2: 60 4C 71 26 A9 1B 20 09 40 A9
XX26FC: 5B 20 09 40 A9 3F 20 09 40 A9
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XX2706: 31 20 09 40 A9 3B 20 09 40 A9
XX2710: 30 20 09 40 A9 63 20 09 40 60
XX271A: 4C E8 27 AE 70 03 D0 02 A2 01
XX2724: 8E 0E 20 20 36 50 AE 0E 20 CA
XX272E: D0 F4 60 AE 70 03 D0 02 A2 01
XX2738: 8E 0E 20 20 2A 50 AE 0E 20 CA
XX2742: D0 F4 60 AE 70 03 D0 02 A2 01
XX274C: 8E 0E 20 20 2D 50 AE 0E 20 CA
XX2756: D0 F4 60 20 1B 50 AE 70 03 D0
XX2760: 02 A2 01 8E 0E 20 20 18 50 AE
XX276A: 0E 20 CA D0 F4 20 21 50 60 20
XX2774: 1B 50 AE 70 03 D0 02 A2 01 8E
XX277E: 0E 20 20 15 50 AE 0E 20 CA D0
XX2788: F4 20 21 50 60 A0 00 B9 70 03
XX2792: C9 08 B0 04 C9 00 D0 05 A2 00
XX279C: 4C A1 27 A2 FF 8E 0C 03 C8 CC
XX27A6: 7B 23 B0 03 4C 8F 27 60 20 1B
XX27B0: 50 AE 70 03 D0 02 A2 01 CA E0
XX27BA: 18 B0 22 8E 12 03 2C 18 03 10
XX27C4: 06 8E 10 03 4C D0 27 A9 00 8D
XX27CE: 10 03 AE 71 03 D0 02 A2 18 CA
XX27D8: E0 18 B0 03 8E 13 03 A2 00 8E
XX27E2: 0F 03 20 21 50 60 60 00 A0
XX3D0G
XXBSAVE DCOM.MAIN,A$2000,L2026
XXTEXT:HOME:PRINT "UNPACKING:":?"TERMINAL DEFAULTS":POKE 34,3:HOME:CALL -151
XX0300: 00 00
XX0302: FF 00 00 FF 00 00 20 00 FF 00
XX030C: 00 00 00 00 10 07 00 17 00 00
XX0316: 00 00 00 00 00 00 00 00 07 03
XX0320: FF 00 00 00 00 00 00 00 FF 00
XX032A: 00 00 00 00 00 00 FF 00 00 00
XX0334: 00 00 00 00 FF 00 00 00 00 00
XX033E: 00 00 FF 00 00 00 00 00 00 00
XX0348: FF 00 00 00 00 00 00 00 FF 00
XX0352: 00 00 00 00 00 00 FF 00 00 00
XX035C: 00 00 00 00 FF 00 00 00 00 00
XX0366: 00 00 FF 00 00 00 00 00 00 00
XX0370: 0C 2E 03 04 05 06 07 00 00 00
XX037A: 00 00 00 00 00 00 00 00 00 00
XX0384: 00 00 00 00 00 00 00 00 00 00
XX038E: 00 00 00 00 00 00 00 00 00 00
XX0398: 00 00 00 00 00 00 00 00 FF
XX3D0G
XXBSAVE DCOM.MAIN.D,A$300,L$A0
XXTEXT:HOME:PRINT "UNPACKING:":?"CONTROL PANEL":POKE 34,3:HOME:CALL -151
XX7000: 4C 1F 70 00 00 8E 0C 70
XX7008: 8C 0D 70 AD FF FF F0 0E 20 09
XX7012: 20 EE 0C 70 D0 F3 EE 0D 70 4C
XX701C: 0B 70 60 AD 04 03 8D 4F 70 A9
XX7026: 00 8D 04 03 8D 1C 03 AE 12 03
XX7030: 8E 03 70 AE 13 03 8E 04 70 8E
XX703A: 01 03 8E 19 03 8E 0B 03 20 48
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XX7044: 50 A2 50 A0 70 20 05 70 4C ED
XX704E: 73 00 1B 5B 32 4A 1B 5B 48 1B
XX7058: 5B 30 6D 1B 5B 31 3B 32 34 72
XX7062: 3C 45 53 43 3E 20 52 65 74 75
XX706C: 72 6E 73 20 79 6F 75 20 74 6F
XX7076: 20 79 6F 75 72 20 66 72 69 65
XX7080: 6E 64 6C 79 20 74 65 72 6D 69
XX708A: 6E 61 6C 2E 2E 2E 0D 0A 0A 59
XX7094: 65 73 2F 4E 6F 20 4B 65 79 20
XX709E: 46 75 6E 63 74 69 6F 6E 0D 0A
XX70A8: 0D 0A 20 20 20 20 20 20 20 20
XX70B2: 41 20 20 45 63 68 6F 20 63 68
XX70BC: 61 72 61 63 74 65 72 73 20 74
XX70C6: 79 70 65 64 3F 0D 0A 20 20 20
XX70D0: 20 20 20 20 20 42 20 20 43 52
XX70DA: 2F 4C 46 20 6F 6E 20 4C 46 3F
XX70E4: 0D 0A 20 20 20 20 20 20 20 20
XX70EE: 43 20 20 43 52 2F 4C 46 20 6F
XX70F8: 6E 20 43 52 3F 0D 0A 20 20 20
XX7102: 20 20 20 20 20 44 20 20 57 72
XX710C: 61 70 20 63 68 61 72 61 63 74
XX7116: 65 72 73 20 6F 66 66 20 72 69
XX7120: 67 68 74 20 73 69 64 65 3F 0D
XX712A: 0A 20 20 20 20 20 20 20 20 45
XX7134: 20 20 4B 65 79 2D 63 6C 69 63
XX713E: 6B 3F 0D 0A 20 20 20 20 20 20
XX7148: 20 20 46 20 20 42 61 63 6B 67
XX7152: 72 6F 75 6E 64 20 69 6E 76 65
XX715C: 72 74 65 64 3F 0D 0A 0D 0A 42
XX7166: 4C 49 4E 4B 20 53 50 45 45 44
XX7170: 20 30 2D 39 20 28 30 3D 4E 4F
XX717A: 20 42 4C 49 4E 4B 29 20 31 3D
XX7184: 46 41 53 54 2C 20 39 3D 53 4C
XX718E: 4F 57 20 28 20 29 0D 0A 0D 0A
XX7198: 40 29 20 51 75 69 74 20 74 68
XX71A2: 69 73 20 70 72 6F 67 72 61 6D
XX71AC: 0D 0A 53 29 20 53 61 76 65 20
XX71B6: 74 68 65 73 65 20 73 65 74 74
XX71C0: 69 6E 67 73 0D 0A 54 29 20 53
XX71CA: 65 74 20 73 74 61 6E 64 61 72
XX71D4: 64 20 74 61 62 73 2E 20 28 46
XX71DE: 6F 72 20 55 4E 49 58 2C 20 56
XX71E8: 4D 53 2C 20 65 74 63 2E 29 0D
XX71F2: 0A 4D 29 20 53 65 74 20 6D 6F
XX71FC: 64 65 6D 20 70 65 72 61 6D 65
XX7206: 74 65 72 73 0D 0A 52 29 20 52
XX7210: 65 73 65 74 20 74 65 72 6D 69
XX721A: 6E 61 6C 2E 0D 0A 1B 5B 32 32
XX7224: 3B 30 48 20 20 20 20 35 20 20
XX722E: 20 20 30 20 20 20 20 35 20 20
XX7238: 20 20 30 20 20 20 20 35 20 20
XX7242: 20 20 30 20 20 20 20 35 20 20
XX724C: 20 20 30 20 20 20 20 35 20 20
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XX7256: 20 20 30 20 20 20 20 35 20 20
XX7260: 20 20 30 20 20 20 20 35 20 20
XX726A: 20 20 30 20 20 20 20 35 20 20
XX7274: 20 20 30 1B 5B 32 31 3B 30 48
XX727E: 20 20 20 20 20 20 20 20 20 31
XX7288: 20 20 20 20 31 20 20 20 20 32
XX7292: 20 20 20 20 32 20 20 20 20 33
XX729C: 20 20 20 20 33 20 20 20 20 34
XX72A6: 20 20 20 20 34 20 20 20 20 35
XX72B0: 20 20 20 20 35 20 20 20 20 36
XX72BA: 20 20 20 20 36 20 20 20 20 37
XX72C4: 20 20 20 20 37 20 20 20 20 38
XX72CE: 1B 5B 32 30 3B 30 48 54 41 42
XX72D8: 53 3A 20 55 73 65 20 74 68 65
XX72E2: 20 6C 65 66 74 20 61 6E 64 20
XX72EC: 72 69 67 68 74 20 61 72 72 6F
XX72F6: 77 73 20 74 6F 20 73 65 6C 65
XX7300: 63 74 2C 20 61 6E 64 20 3C 53
XX730A: 50 41 43 45 3E 20 74 6F 20 74
XX7314: 6F 67 67 6C 65 20 6F 6E 20 61
XX731E: 6E 64 20 6F 66 66 2E 0D 0A 0A
XX7328: 0A 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7332: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX733C: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7346: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7350: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX735A: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7364: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX736E: 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D
XX7378: 2D 00 1B 5B 48 1B 5B 32 4A 0A
XX7382: 0A 0A 0A 0A 59 6F 75 72 20 64
XX738C: 65 66 61 75 6C 74 20 73 65 74
XX7396: 74 69 6E 67 73 20 77 69 6C 6C
XX73A0: 20 62 65 20 73 61 76 65 64 20
XX73AA: 77 68 65 6E 20 79 6F 75 20 65
XX73B4: 78 69 74 20 74 68 65 20 70 72
XX73BE: 6F 67 72 61 6D 2E 0D 0A 0D 0A
XX73C8: 50 4C 45 41 53 45 20 53 54 52
XX73D2: 49 4B 45 20 41 4E 59 20 4B 45
XX73DC: 59 20 54 4F 20 43 4F 4E 54 49
XX73E6: 4E 55 45 2E 0D 0A 00 A2 28 8E
XX73F0: C5 76 20 45 76 20 17 76 A2 BC
XX73FA: A0 76 20 05 70 20 1E 50 A9 04
XX7404: 20 A8 FC 2C 00 C0 10 F3 2C 10
XX740E: C0 AD 00 C0 C9 40 F0 69 C9 5F
XX7418: 90 03 38 E9 20 C9 30 90 16 C9
XX7422: 3A B0 65 38 E9 30 48 20 1B 50
XX742C: 68 8D 11 03 20 21 50 4C FF 73
XX7436: 60 C9 08 F0 52 C9 15 F0 5F C9
XX7440: 20 F0 68 C9 1B F0 03 4C FF 73
XX744A: 20 4B 50 AD 4F 70 8D 04 03 AE
XX7454: 03 70 8E 12 03 AE 04 70 8E 13
XX745E: 03 A2 10 BD 00 81 9D 00 03 CA
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XX7468: E0 08 D0 F5 AD 01 81 8D 01 03
XX7472: AD 19 81 8D 19 03 AD 0B 81 8D
XX747C: 0B 03 60 AD FF 02 09 F0 8D FF
XX7486: 02 4C 4A 74 4C C4 74 AE C5 76
XX7490: CA D0 02 A2 50 8E C5 76 20 45
XX749A: 76 4C FF 73 AE C5 76 E8 E0 51
XX74A4: D0 EF A2 01 4C 95 74 AE C5 76
XX74AE: CA BD 20 03 30 05 A9 FF 4C BB
XX74B8: 74 A9 00 9D 20 03 20 45 76 4C
XX74C2: FF 73 C9 41 D0 0C AE 07 03 20
XX74CC: C6 76 8E 07 03 4C F5 73 C9 42
XX74D6: D0 0C AE 03 03 20 C6 76 8E 03
XX74E0: 03 4C F5 73 C9 43 D0 0C AE 4F
XX74EA: 70 20 C6 76 8E 4F 70 4C F5 73
XX74F4: C9 44 D0 0C AE 05 03 20 C6 76
XX74FE: 8E 05 03 4C F5 73 C9 45 D0 0C
XX7508: AE 06 03 20 C6 76 8E 06 03 4C
XX7512: F5 73 C9 46 D0 19 AD 08 03 49
XX751C: 80 8D 08 03 AD 0C 03 49 80 8D
XX7526: 0C 03 20 4A 74 20 3F 50 4C 42
XX7530: 70 C9 53 D0 1F A2 7A A0 73 20
XX753A: 05 70 20 1E 50 A9 04 20 A8 FC
XX7544: 2C 00 C0 10 F3 2C 10 C0 A9 0F
XX754E: 8D FF 02 4C 45 70 C9 54 D0 35
XX7558: A2 20 A9 00 9D 00 03 E8 E0 71
XX7562: 90 F8 A2 FF 8E 20 03 8E 28 03
XX756C: 8E 30 03 8E 38 03 8E 40 03 8E
XX7576: 48 03 8E 50 03 8E 58 03 8E 60
XX7580: 03 8E 68 03 8E 70 03 20 45 76
XX758A: 4C F5 73 C9 4D D0 06 20 F2 78
XX7594: 4C 45 70 C9 52 D0 79 20 00 50
XX759E: A2 17 8E 13 03 A2 20 8E 08 03
XX75A8: A2 00 8E 12 03 8E 0C 03 8E 19
XX75B2: 03 8E 01 03 8E 03 03 8E 04 03
XX75BC: 8E 07 03 8E 12 03 8E 09 03 20
XX75C6: 03 50 A2 00 8E 0F 03 8E 10 03
XX75D0: 8E FF 02 8E 1C 03 20 21 50 A2
XX75DA: E1 A0 75 20 05 70 60 1B 5B 48
XX75E4: 1B 5B 32 4A 1B 23 38 07 1B 5B
XX75EE: 48 07 1B 5B 32 4A 54 65 72 6D
XX75F8: 69 6E 61 6C 20 72 65 73 65 74
XX7602: 2E 20 50 72 6F 63 65 65 64 2E
XX760C: 2E 2E 07 0D 0A 0D 0A 00 4C FF
XX7616: 73 A2 A0 A0 76 20 05 70 2C 07
XX7620: 03 20 88 76 2C 03 03 20 88 76
XX762A: 2C 4F 70 20 88 76 2C 05 03 20
XX7634: 88 76 2C 06 03 20 88 76 2C 08
XX763E: 03 20 88 76 4C 80 76 A2 B3 A0
XX7648: 76 20 05 70 A2 00 8E BB 76 CE
XX7652: C5 76 EC C5 76 D0 05 A0 FF 8C
XX765C: 0C 03 EE C5 76 BD 20 03 30 08
XX7666: A9 20 20 09 20 4C 73 76 A9 54
XX7670: 20 09 20 A0 00 8C 0C 03 AE BB
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XX767A: 76 E8 E0 50 D0 CE A2 BC A0 76
XX7684: 20 05 70 60 10 08 A2 A7 A0 76
XX768E: 20 05 70 60 A2 AD A0 76 20 05
XX7698: 70 60 1B 5B 32 34 3B 00 1B 5B
XX76A2: 35 3B 30 48 00 59 65 73 0D 0A
XX76AC: 00 4E 6F 20 0D 0A 00 1B 5B 32
XX76B6: 34 3B 30 48 00 00 1B 5B 31 32
XX76C0: 3B 34 36 48 00 00 E0 50 B0 03
XX76CA: A2 FF 60 A2 00 60 1B 5B 48 1B
XX76D4: 5B 32 4A 50 6C 65 61 73 65 20
XX76DE: 65 6E 74 65 72 20 6F 6E 65 20
XX76E8: 6F 66 20 74 68 65 20 66 6F 6C
XX76F2: 6C 6F 77 69 6E 67 20 6C 65 74
XX76FC: 74 65 72 73 3A 0D 0A 0D 0A 41
XX7706: 43 54 49 56 45 20 20 4B 45 59
XX7710: 20 20 46 55 4E 43 54 49 4F 4E
XX771A: 0D 0A 2D 2D 2D 2D 2D 2D 20 20
XX7724: 2D 2D 2D 20 20 2D 2D 2D 2D 2D
XX772E: 2D 2D 2D 0D 0A 0D 0A 20 20 20
XX7738: 20 20 20 20 20 20 41 20 20 20
XX7742: 33 30 30 20 42 41 55 44 0D 0A
XX774C: 20 20 20 20 20 20 20 20 20 42
XX7756: 20 20 20 31 32 30 30 20 42 41
XX7760: 55 44 0D 0A 20 20 20 20 20 20
XX776A: 20 20 20 43 20 20 20 32 34 30
XX7774: 30 20 42 41 55 44 0D 0A 20 20
XX777E: 20 20 20 20 20 20 20 44 20 20
XX7788: 20 38 20 44 41 54 41 20 42 49
XX7792: 54 53 2C 20 31 20 53 54 4F 50
XX779C: 20 42 49 54 0D 0A 20 20 20 20
XX77A6: 20 20 20 20 20 45 20 20 20 38
XX77B0: 20 44 41 54 41 20 42 49 54 53
XX77BA: 2C 20 32 20 53 54 4F 50 20 42
XX77C4: 49 54 53 0D 0A 20 20 20 20 20
XX77CE: 20 20 20 20 46 20 20 20 37 20
XX77D8: 44 41 54 41 20 42 49 54 53 2C
XX77E2: 20 31 20 53 54 4F 50 20 42 49
XX77EC: 54 0D 0A 20 20 20 20 20 20 20
XX77F6: 20 20 47 20 20 20 37 20 44 41
XX7800: 54 41 20 42 49 54 53 2C 20 32
XX780A: 20 53 54 4F 50 20 42 49 54 53
XX7814: 0D 0A 20 20 20 20 20 20 20 20
XX781E: 20 48 20 20 20 4E 4F 20 50 41
XX7828: 52 49 54 59 0D 0A 20 20 20 20
XX7832: 20 20 20 20 20 49 20 20 20 45
XX783C: 56 45 4E 20 50 41 52 49 54 59
XX7846: 0D 0A 20 20 20 20 20 20 20 20
XX7850: 20 4A 20 20 20 4F 44 44 20 50
XX785A: 41 52 49 54 59 0D 0A 20 20 20
XX7864: 20 20 20 20 20 20 4B 20 20 20
XX786E: 4D 41 52 4B 20 50 41 52 49 54
XX7878: 59 0D 0A 20 20 20 20 20 20 20
XX7882: 20 20 4C 20 20 20 53 50 41 43
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XX788C: 45 20 50 41 52 49 54 59 0D 0A
XX7896: 0D 0A 3C 45 53 43 41 50 45 3E
XX78A0: 20 45 58 49 54 53 20 54 48 49
XX78AA: 53 20 4D 45 4E 55 20 41 4E 44
XX78B4: 20 52 45 54 55 52 4E 53 20 59
XX78BE: 4F 55 20 54 4F 20 54 48 45 20
XX78C8: 4D 41 49 4E 20 53 45 54 2D 55
XX78D2: 50 20 4D 45 4E 55 2E 0D 0A 00
XX78DC: 1B 5B 36 3B 30 48 00 1B 5B 32
XX78E6: 33 3B 30 48 4F 50 54 49 4F 4E
XX78F0: 3A 00 A2 D0 A0 76 20 05 70 A2
XX78FA: DC A0 78 20 05 70 A2 00 BD 12
XX7904: 40 8E BB 76 20 1D 79 AE BB 76
XX790E: E8 E0 0C 90 EF A2 E3 A0 78 20
XX7918: 05 70 4C 4D 79 C9 00 F0 0B C9
XX7922: F0 F0 0E A2 3B A0 79 4C 37 79
XX792C: A2 41 A0 79 4C 37 79 A2 47 A0
XX7936: 79 20 05 70 60 28 20 29 0D 0A
XX7940: 00 4E 2F 41 0D 0A 00 28 2A 29
XX794A: 0D 0A 00 20 1E 50 A9 04 20 A8
XX7954: FC 2C 00 C0 10 F3 2C 10 C0 AD
XX795E: 00 C0 C9 1B F0 1B C9 60 90 03
XX7968: 38 E9 20 C9 41 90 0D C9 4D B0
XX7972: 09 38 E9 41 20 0C 40 4C F9 78
XX797C: 4C 4D 79 60 FF
XX3D0G
XXBSAVE DCOM.CONTROL,A$7000,L2432
XXTEXT:HOME:PRINT "UNPACKING:":?"KEYBOARD DRIVER":POKE 34,3:HOME:CALL -151
XX6000: 4C 98 60 48
XX6004: 68 4A 6A 4B 6B 4C 6C 51 71 57
XX600E: 77 45 65 72 52 37 38 39 34 35
XX6018: 36 31 32 33 2E 2D 2C 0D 30 08
XX6022: 0A 0B 15 42 62 00 00 00 00 00
XX602C: 00 00 00 00 00 00 00 00 04 04
XX6036: 02 02 01 01 03 03 05 05 06 06
XX6040: 07 07 08 08 09 0A 0B 0D 0E 0F
XX604A: 11 12 13 16 0C 10 14 15 04 02
XX6054: 01 03 17 17 00 00 00 00 00 00
XX605E: 00 00 00 00 00 00 00 00 00 00
XX6068: 00 00 00 00 00 00 00 00 41 42
XX6072: 43 44 50 51 52 53 77 78 79 6D
XX607C: 74 75 76 6C 71 72 73 4D 70 6E
XX6086: 00 00 00 00 00 00 00 00 00 00
XX6090: 00 00 00 00 4C 00 70 00 2C 61
XX609A: C0 30 09 2C 62 C0 30 04 20 09
XX60A4: 40 60 C9 1B F0 EA A2 00 A8 DD
XX60AE: 03 60 F0 06 E8 E0 32 D0 F6 60
XX60B8: BC 34 60 88 BE 70 60 8E 97 60
XX60C2: C0 04 90 1E C0 16 F0 53 A9 1B
XX60CC: 20 09 40 20 06 20 A9 4F 20 09
XX60D6: 40 20 06 20 AD 97 60 20 09 40
XX60E0: 20 06 20 60 2C 15 03 10 1A A9
XX60EA: 1B 20 09 40 20 06 20 A9 4F 20
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XX60F4: 09 40 20 06 20 AD 97 60 20 09
XX60FE: 40 20 06 20 60 A9 1B 20 09 40
XX6108: 20 06 20 A9 5B 20 09 40 20 06
XX6112: 20 AD 97 60 20 09 40 20 06 20
XX611C: 60 20 0F 40 60 FF
XX3D0G
XXBSAVE DCOM.KEYBOARD.IIE,A$6000,L289
XXTEXT:HOME:PRINT "UNPACKING:":?"APPLE //E SCREEN DRIVER":POKE 34,3:HOME:CALL -151
XX5000: 4C A5 50 4C A9 50 4C B2 50 4C
XX500A: E9 50 4C 30 51 4C 56 51 4C 80
XX5014: 51 4C 92 51 4C AB 51 4C C2 51
XX501E: 4C DC 51 4C 16 52 4C 63 52 4C
XX5028: 9D 52 4C 45 53 4C 6E 53 4C 91
XX5032: 53 4C B9 53 4C D4 53 4C 0B 54
XX503C: 4C 45 54 4C 96 54 4C 20 53 4C
XX5046: 25 53 4C FD 54 4C 2E 55 00 80
XX5050: 00 80 00 80 00 80 28 A8 28 A8
XX505A: 28 A8 28 A8 50 D0 50 D0 50 D0
XX5064: 50 D0 04 04 05 05 06 06 07 07
XX506E: 04 04 05 05 06 06 07 07 04 04
XX5078: 05 05 06 06 07 07 20 18 7F 09
XX5082: 0A 0D 0B 0E 0E 0D 08 2B 2B 2B
XX508C: 2B 2B 2D 2D 2D 2D 5F 2D 2D 2D
XX5096: 2D 7C 3C 3E 07 19 23 0F 00 00
XX50A0: 00 00 00 00 00 8D 0D C0 60 A0
XX50AA: 17 20 B2 50 88 10 FA 60 20 CC
XX50B4: 50 8D 01 C0 8D 55 C0 20 CC 50
XX50BE: 8D 54 C0 8D 00 C0 A9 00 99 80
XX50C8: 03 4C 06 20 B9 4E 50 8D E3 50
XX50D2: B9 66 50 8D E4 50 AD 08 03 49
XX50DC: 80 8D FF BF A2 27 9D FF FF CA
XX50E6: 10 FA 60 BD 80 03 99 80 03 8A
XX50F0: 48 20 0C 51 8D 01 C0 8D 55 C0
XX50FA: 68 48 AA 20 24 51 8D 54 C0 8D
XX5104: 00 C0 20 06 20 68 AA 60 BD 4E
XX510E: 50 8D 27 51 BD 66 50 8D 28 51
XX5118: B9 4E 50 8D 2A 51 B9 66 50 8D
XX5122: 2B 51 A2 27 BD FF FF 9D FF FF
XX512C: CA 10 F7 60 48 B9 4E 50 8D 4A
XX5136: 51 B9 66 50 8D 4B 51 8A 4A B0
XX5140: 06 8D 01 C0 8D 55 C0 AA 68 9D
XX514A: FF FF 20 06 20 8D 54 C0 8D 00
XX5154: C0 60 AE 0F 03 E0 00 D0 06 AC
XX515E: 10 03 4C B2 50 A2 4F AC 10 03
XX5168: AD 08 03 49 80 8E A1 50 20 30
XX5172: 51 AE A1 50 EC 0F 03 F0 04 CA
XX517C: 4C 6D 51 60 20 56 51 A0 17 CC
XX5186: 10 03 F0 07 20 B2 50 88 4C 85
XX5190: 51 60 AC 12 03 C8 98 AA 88 20
XX519A: E9 50 C8 E8 EC 13 03 90 F6 F0
XX51A4: F4 AC 13 03 4C B2 50 AC 13 03
XX51AE: 88 98 AA C8 20 E9 50 88 CA CC
XX51B8: 12 03 D0 F6 AC 12 03 4C B2 50
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XX51C2: 2C A2 50 30 01 60 AD 9F 50 AE
XX51CC: 0F 03 AC 10 03 20 30 51 A9 00
XX51D6: 8D A2 50 4C 0D 52 AE 11 03 D0
XX51E0: 01 60 EE A3 50 F0 03 4C ED 51
XX51EA: EE A4 50 AE A4 50 EC 11 03 F0
XX51F4: 01 60 2C A2 50 10 09 20 C2 51
XX51FE: A9 00 8D A2 50 60 20 16 52 A9
XX5208: 80 8D A2 50 60 A9 00 8D A3 50
XX5212: 8D A4 50 60 2C A2 50 30 45 AE
XX521C: 0F 03 AC 10 03 20 63 52 8D 9F
XX5226: 50 20 73 55 AE 0F 03 20 30 51
XX5230: A9 80 8D A2 50 AC 10 03 B9 80
XX523A: 03 2A B0 0D A2 00 8E 09 03 A2
XX5244: FF 8E 0A 03 4C 60 52 A2 FF 8E
XX524E: 09 03 2A B0 08 A2 00 8E 0A 03
XX5258: 4C 60 52 A2 FF 8E 0A 03 4C 0D
XX5262: 52 B9 4E 50 8D 7B 52 B9 66 50
XX526C: 8D 7C 52 8A 4A B0 06 8D 01 C0
XX5276: 8D 55 C0 AA BD FF FF 8D 54 C0
XX5280: 8D 00 C0 60 2C 0B 03 10 0B C9
XX528A: 5F 90 07 38 E9 5F A8 B9 7E 50
XX5294: 2C 0A 03 30 02 A9 2D 60 00 20
XX529E: 84 52 48 20 C2 51 2C 9C 52 10
XX52A8: 24 AE 0F 03 E0 4F D0 1D 2C 05
XX52B2: 03 10 18 A2 00 8E 0F 03 EE 10
XX52BC: 03 AC 10 03 CC 13 03 90 08 F0
XX52C6: 06 20 92 51 CE 10 03 A2 00 8E
XX52D0: 9C 52 2C 01 03 10 09 AE 0F 03
XX52DA: AC 10 03 20 0B 54 AE 0F 03 AC
XX52E4: 10 03 68 2C 08 03 10 0D 2C 0C
XX52EE: 03 30 15 49 80 20 73 55 4C 08
XX52F8: 53 2C 0C 03 10 08 49 80 20 73
XX5302: 55 4C 08 53 49 80 20 30 51 EE
XX530C: 0F 03 AE 0F 03 E0 50 90 08 A9
XX5316: FF 8D 9C 52 CE 0F 03 4C 16 52
XX5320: A2 00 8E 0F 03 EE 10 03 AC 10
XX532A: 03 C0 18 F0 0A CC 13 03 B0 03
XX5334: 4C 16 52 F0 FB 20 92 51 AC 13
XX533E: 03 8C 10 03 4C 16 52 20 C2 51
XX5348: A2 00 8E 0F 03 AC 10 03 C0 00
XX5352: F0 14 A0 17 A2 16 20 E9 50 88
XX535C: CA EC 10 03 B0 F6 20 56 51 4C
XX5366: 16 52 20 AB 51 4C 16 52 A2 00
XX5370: 8E 0F 03 20 C2 51 AC 10 03 C0
XX537A: 17 F0 0C 98 AA E8 20 E9 50 C8
XX5384: E8 E0 18 D0 F7 A0 17 20 B2 50
XX538E: 4C 16 52 20 C2 51 AE 0F 03 8E
XX5398: B7 53 AC 10 03 8C B8 53 AD 08
XX53A2: 03 49 80 20 30 51 AC B8 53 CE
XX53AC: B7 53 AE B7 53 10 ED 20 16 52
XX53B6: 60 00 00 20 C2 51 AC 10 03 F0
XX53C0: 12 88 8C B8 53 20 B2 50 CE B8
XX53CA: 53 AC B8 53 10 F5 20 91 53 60
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XX53D4: 20 C2 51 AE 0F 03 8E B7 53 AE
XX53DE: B7 53 E8 AC 10 03 20 63 52 AE
XX53E8: B7 53 AC 10 03 20 30 51 EE B7
XX53F2: 53 AE B7 53 E0 4F 90 E3 A2 4F
XX53FC: AC 10 03 AD 08 03 49 80 20 30
XX5406: 51 20 16 52 60 AE 0F 03 E0 4F
XX5410: F0 31 20 C2 51 A2 4E 8E 9E 50
XX541A: AE 9E 50 20 63 52 AE 9E 50 E8
XX5424: 20 30 51 AE 9E 50 EC 0F 03 F0
XX542E: 06 CE 9E 50 4C 1A 54 AE 0F 03
XX5438: AC 10 03 AD 08 03 49 80 20 30
XX5442: 51 60 00 20 C2 51 AE 08 03 8E
XX544C: 44 54 A2 45 8E 08 03 20 A9 50
XX5456: AE 44 54 8E 08 03 20 16 52 60
XX5460: B9 4E 50 8D 90 54 8D 8A 54 B9
XX546A: 66 50 8D 91 54 8D 8B 54 20 87
XX5474: 54 8D 01 C0 8D 55 C0 20 87 54
XX547E: 8D 54 C0 8D 00 C0 4C 06 20 A2
XX5488: 27 BD FF FF 20 73 55 9D FF FF
XX5492: CA 10 F4 60 20 C2 51 A0 17 20
XX549C: 60 54 88 10 FA 20 16 52 60 B9
XX54A6: 4E 50 8D B6 54 B9 66 50 8D B7
XX54B0: 54 A0 00 A2 27 BD FF FF 91 02
XX54BA: E6 02 D0 02 E6 03 CA 10 F2 60
XX54C4: A0 17 98 48 20 A5 54 68 A8 88
XX54CE: 10 F6 60 B9 4E 50 8D E4 54 B9
XX54D8: 66 50 8D E5 54 A0 00 A2 27 B1
XX54E2: 02 9D FF FF E6 02 D0 02 E6 03
XX54EC: CA 10 F2 60 A0 17 98 48 20 D1
XX54F6: 54 68 A8 88 10 F6 60 20 C2 51
XX5500: AD 9F 50 8D A0 50 A9 00 85 02
XX550A: A9 84 85 03 20 C4 54 8D 01 C0
XX5514: 8D 55 C0 20 C4 54 8D 54 C0 8D
XX551E: 00 C0 A0 A0 B9 00 03 99 00 81
XX5528: 88 C0 FF D0 F5 60 A9 00 85 02
XX5532: A9 84 85 03 20 F0 54 8D 01 C0
XX553C: 8D 55 C0 20 F0 54 8D 54 C0 8D
XX5546: 00 C0 A0 A0 B9 00 81 99 00 03
XX5550: 88 C0 7F D0 F5 A0 0F B9 00 81
XX555A: 99 00 03 C8 B9 00 81 99 00 03
XX5564: AD A0 50 8D 9F 50 A9 00 8D A2
XX556E: 50 20 16 52 60 C9 80 90 0F C9
XX5578: C0 90 04 C9 E0 90 03 29 7F 60
XX5582: 38 E9 C0 60 C9 20 90 04 18 69
XX558C: 80 60 18 69 C0 60 00
XX3D0G
XXBSAVE DCOM.SCREEN.IIE,A$5000,L1426
XXTEXT:HOME:PRINT "UNPACKING:":?"DOUBLE VISION SCREEN DRIVER":POKE 34,3:HOME:CALL
-151
XX5000: 4C EA 50 4C F6 50 4C FF 50 4C
XX500A: 27 51 4C 61 51 4C 7A 51 4C A2
XX5014: 51 4C B4 51 4C CD 51 4C E4 51
XX501E: 4C FE 51 4C 38 52 4C 84 52 4C
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XX5028: BA 52 4C 49 53 4C 72 53 4C 95
XX5032: 53 4C BB 53 4C D6 53 4C 0B 54
XX503C: 4C 43 54 4C 85 54 4C 24 53 4C
XX5046: 29 53 4C 94 54 4C E8 54 60 6C
XX5050: 50 59 05 1D 16 18 1C 00 07 20
XX505A: 07 00 00 00 00 00 50 A0 F0 40
XX5064: 90 E0 30 80 D0 20 70 C0 10 60
XX506E: B0 00 50 A0 F0 40 90 E0 30 80
XX5078: C8 C8 C8 C8 C9 C9 C9 CA CA CA
XX5082: CB CB CB CC CC CC CD CD CD CD
XX508C: CE CE CE CF CF 20 18 7F 09 0A
XX5096: 0D 0B 0E 0E 0D 08 2B 2B 2B 2B
XX50A0: 2B 2D 2D 2D 2D 5F 2D 2D 2D 2D
XX50AA: 7C 3C 3E 07 19 23 0F 00 00 00
XX50B4: 00 00 00 00 2C FF CF 2C B4 C0
XX50BE: 2C B2 C0 30 FB 2C B2 C0 10 FB
XX50C8: 8D FF FF 2C B6 C0 60 2C B2 C0
XX50D2: 30 FB 2C B2 C0 10 FB 8C B0 C0
XX50DC: 2C B2 C0 30 FB 2C B2 C0 10 FB
XX50E6: 8D B1 C0 60 A0 0F B9 4F 50 20
XX50F0: CF 50 88 10 F7 60 A0 17 20 FF
XX50FA: 50 88 10 FA 60 A9 00 99 80 03
XX5104: 2C FF CF 2C B4 C0 B9 5F 50 8D
XX510E: 1C 51 B9 78 50 8D 1D 51 AD 08
XX5118: 03 A2 4F 9D FF FF CA 10 FA 2C
XX5122: B6 C0 4C 06 20 BD 80 03 99 80
XX512C: 03 8A 48 2C FF CF 2C B4 C0 BD
XX5136: 5F 50 8D 50 51 BD 78 50 8D 51
XX5140: 51 B9 5F 50 8D 53 51 B9 78 50
XX514A: 8D 54 51 A2 4F BD FF FF 9D FF
XX5154: FF CA 10 F7 2C B6 C0 20 06 20
XX515E: 68 AA 60 48 8A 18 79 5F 50 8D
XX5168: C9 50 B9 78 50 69 00 8D CA 50
XX5172: 68 20 B8 50 20 06 20 60 AE 0F
XX517C: 03 E0 00 D0 06 AC 10 03 4C FF
XX5186: 50 A2 4F AC 10 03 AD 08 03 8E
XX5190: B4 50 20 61 51 AE B4 50 EC 0F
XX519A: 03 F0 04 CA 4C 8F 51 60 20 7A
XX51A4: 51 A0 17 CC 10 03 F0 07 20 FF
XX51AE: 50 88 4C A7 51 60 AC 12 03 C8
XX51B8: 98 AA 88 20 27 51 C8 E8 EC 13
XX51C2: 03 90 F6 F0 F4 AC 13 03 4C FF
XX51CC: 50 AC 13 03 88 98 AA C8 20 27
XX51D6: 51 88 CA CC 12 03 D0 F6 AC 12
XX51E0: 03 4C FF 50 2C B5 50 30 01 60
XX51EA: AD B2 50 AE 0F 03 AC 10 03 20
XX51F4: 61 51 A9 00 8D B5 50 4C 2F 52
XX51FE: AE 11 03 D0 01 60 EE B6 50 F0
XX5208: 03 4C 0F 52 EE B7 50 AE B7 50
XX5212: EC 11 03 F0 01 60 2C B5 50 10
XX521C: 09 20 E4 51 A9 00 8D B5 50 60
XX5226: 20 38 52 A9 80 8D B5 50 60 A9
XX5230: 00 8D B6 50 8D B7 50 60 2C B5
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XX523A: 50 30 44 AE 0F 03 AC 10 03 20
XX5244: 84 52 8D B2 50 49 80 AE 0F 03
XX524E: 20 61 51 A9 80 8D B5 50 AC 10
XX5258: 03 B9 80 03 2A B0 0D A2 00 8E
XX5262: 09 03 A2 FF 8E 0A 03 4C 81 52
XX526C: A2 FF 8E 09 03 2A B0 08 A2 00
XX5276: 8E 0A 03 4C 81 52 A2 FF 8E 0A
XX5280: 03 4C 2F 52 18 8A 79 5F 50 8D
XX528A: 9B 52 B9 78 50 69 00 8D 9C 52
XX5294: 2C FF CF 2C B4 C0 AD FF FF 2C
XX529E: B6 C0 60 2C 0B 03 10 0B C9 5F
XX52A8: 90 07 38 E9 5F A8 B9 91 50 2C
XX52B2: 0A 03 30 02 A9 2D 60 00 20 A1
XX52BC: 52 48 20 E4 51 2C B9 52 10 24
XX52C6: AE 0F 03 E0 4F D0 1D 2C 05 03
XX52D0: 10 18 A2 00 8E 0F 03 EE 10 03
XX52DA: AC 10 03 CC 13 03 90 08 F0 06
XX52E4: 20 B4 51 CE 10 03 A2 00 8E B9
XX52EE: 52 2C 01 03 10 03 20 0B 54 AE
XX52F8: 0F 03 AC 10 03 68 2C 08 03 10
XX5302: 02 49 80 2C 0C 03 10 02 49 80
XX530C: 20 61 51 EE 0F 03 AE 0F 03 E0
XX5316: 50 90 08 A9 FF 8D B9 52 CE 0F
XX5320: 03 4C 38 52 A2 00 8E 0F 03 EE
XX532A: 10 03 AC 10 03 C0 18 F0 0A CC
XX5334: 13 03 B0 03 4C 38 52 F0 FB 20
XX533E: B4 51 AC 13 03 8C 10 03 4C 38
XX5348: 52 20 E4 51 A2 00 8E 0F 03 AC
XX5352: 10 03 C0 00 F0 14 A0 17 A2 16
XX535C: 20 27 51 88 CA EC 10 03 B0 F6
XX5366: 20 7A 51 4C 38 52 20 CD 51 4C
XX5370: 38 52 A2 00 8E 0F 03 20 E4 51
XX537A: AC 10 03 C0 17 F0 0C 98 AA E8
XX5384: 20 27 51 C8 E8 E0 18 D0 F7 A0
XX538E: 17 20 FF 50 4C 38 52 20 E4 51
XX5398: AE 0F 03 8E B9 53 AC 10 03 8C
XX53A2: BA 53 AD 08 03 20 61 51 AC BA
XX53AC: 53 CE B9 53 AE B9 53 10 EF 20
XX53B6: 38 52 60 00 00 20 E4 51 AC 10
XX53C0: 03 F0 12 88 8C BA 53 20 FF 50
XX53CA: CE BA 53 AC BA 53 10 F5 20 95
XX53D4: 53 60 20 E4 51 AE 0F 03 8E B9
XX53DE: 53 AE B9 53 E8 AC 10 03 20 84
XX53E8: 52 AE B9 53 AC 10 03 20 61 51
XX53F2: EE B9 53 AE B9 53 E0 4F 90 E3
XX53FC: A2 4F AC 10 03 AD 08 03 20 61
XX5406: 51 20 38 52 60 AE 0F 03 E0 4F
XX5410: F0 2F 20 38 52 A2 4E 8E B1 50
XX541A: AE B1 50 20 84 52 AE B1 50 E8
XX5424: 20 61 51 AE B1 50 EC 0F 03 F0
XX542E: 06 CE B1 50 4C 1A 54 AE 0F 03
XX5438: AC 10 03 AD 08 03 20 61 51 60
XX5442: 00 20 E4 51 AE 08 03 8E 42 54
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XX544C: A2 45 8E 08 03 20 F6 50 AE 42
XX5456: 54 8E 08 03 20 38 52 60 2C B4
XX5460: C0 B9 5F 50 8D 7C 54 8D 76 54
XX546A: B9 78 50 8D 7D 54 8D 77 54 A2
XX5474: 4F BD FF FF 18 69 80 9D FF FF
XX547E: CA 10 F4 2C B6 C0 60 20 E4 51
XX5488: A0 17 20 5E 54 88 10 FA 20 38
XX5492: 52 60 20 E4 51 AD B2 50 8D B3
XX549C: 50 2C FF CF 2C B4 C0 A2 00 8E
XX54A6: BB 54 A2 84 8E BC 54 A9 00 8D
XX54B0: B8 54 A9 C8 8D B9 54 AD FF FF
XX54BA: 8D FF FF EE B8 54 D0 0A EE B9
XX54C4: 54 AD B9 54 C9 D0 F0 0B EE BB
XX54CE: 54 D0 E6 EE BC 54 4C B7 54 A0
XX54D8: A0 B9 00 03 99 00 81 88 C0 FF
XX54E2: D0 F5 2C B6 C0 60 2C B4 C0 8D
XX54EC: 00 CE AD 00 CE A2 00 8E 06 55
XX54F6: A2 84 8E 07 55 A9 00 8D 09 55
XX5500: A9 C8 8D 0A 55 AD FF FF 8D FF
XX550A: FF EE 09 55 D0 0A EE 0A 55 AD
XX5514: 0A 55 C9 D0 F0 0B EE 06 55 D0
XX551E: E6 EE 07 55 4C 05 55 A0 A0 B9
XX5528: 00 81 99 00 03 88 C0 7F D0 F5
XX5532: A0 0F B9 00 81 99 00 03 C8 B9
XX553C: 00 81 99 00 03 2C B6 C0 AD B3
XX5546: 50 8D B2 50 A9 00 8D B5 50 20
XX5550: 38 52 60 D0
XX3D0G
XXBSAVE DCOM.SCREEN.DVISION,A$5000,L1363
XXTEXT:HOME:PRINT "UNPACKING:":?"SUPER SERIAL CARD DRIVER":POKE 34,3:HOME:CALL
-151
XX4000: 4C 9C 40 4C 07 41
XX4006: 4C 29 41 4C 13 41 4C 2C 40 4C
XX4010: 36 41 FF F0 FF FF F0 FF FF F0
XX401A: FF FF 00 00 FF 60 06 08 0A 10
XX4024: 90 30 B0 0B 6B 2B 00 00 A8 AA
XX402E: BD 12 40 F0 25 98 AA E0 03 90
XX4038: 0D 98 AA E0 07 90 0D 98 AA E0
XX4042: 0C 90 0D 60 8E 1D 03 4C 59 40
XX404C: 8E 1F 03 4C 59 40 8E 1E 03 4C
XX4056: 59 40 60 AE 1D 03 AC 1F 03 BD
XX4060: 20 40 18 79 20 40 A0 20 99 8B
XX406A: C0 AE 1E 03 BD 20 40 99 8A C0
XX4074: A2 00 BD 12 40 C9 00 F0 05 A9
XX407E: FF 9D 12 40 E8 E0 0D 90 EF A9
XX4088: F0 AE 1F 03 AC 1D 03 9D 12 40
XX4092: 99 12 40 AE 1E 03 9D 12 40 60
XX409C: A2 C2 8E 32 41 8E 24 41 8E 12
XX40A6: 41 8E B9 40 AE 0D C2 8E B8 40
XX40B0: A2 C2 A0 20 2C FF CF 20 FF FF
XX40BA: AE 0E C2 8E 31 41 AE 0F C2 8E
XX40C4: 23 41 AE 10 C2 8E 11 41 A2 02
XX40CE: BD 12 40 C9 F0 F0 06 CA 10 F6
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XX40D8: 4C DE 40 8E 1D 03 A2 06 BD 12
XX40E2: 40 C9 F0 F0 08 CA E0 03 B0 F4
XX40EC: 4C F2 40 8E 1F 03 A2 0B BD 12
XX40F6: 40 C9 F0 F0 06 CA E0 07 B0 F4
XX4100: 60 8E 1E 03 4C 59 40 A2 C2 A0
XX410A: 20 A9 01 2C FF CF 4C FF FF 2C
XX4114: 00 03 30 10 20 06 20 A2 C2 A0
XX411E: 20 2C FF CF 20 FF FF 4C 06 20
XX4128: 60 A2 C2 A0 20 2C FF CF 20 FF
XX4132: FF 29 7F 60 2C FF CF AD 00 C2
XX413C: A4 20 20 C1 CD 60 EF
XX3D0G
XXBSAVE DCOM.MODEM.SSC,A$4000,L322
XXTEXT:HOME:PRINT "UNPACKING:":?"SUPER SERIAL CARD DEFAULTS":POKE 34,3:HOME:CALL
-151
XX4012: FF F0 FF F0 FF FF FF F0
XX401A: FF FF 00 00 FF 60
XX3D0G
XXBSAVE DCOM.MODEM.SSC.D,A$4012,L13
XXTEXT:HOME:PRINT "UNPACKING:":?"PASCAL CARD DRIVER":POKE 34,3:HOME:CALL -151
XX4000: 4C 20 40 4C 51 40
XX4006: 4C 73 40 4C 5D 40 4C 1F 40 4C
XX4010: 1F 40 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 60 A2 C2 8E 7C
XX4024: 40 8E 6E 40 8E 5C 40 8E 3D 40
XX402E: AE 0D C2 8E 3C 40 A2 C2 A0 20
XX4038: 2C FF CF 20 FF FF AE 0E C2 8E
XX4042: 7B 40 AE 0F C2 8E 6D 40 AE 10
XX404C: C2 8E 5B 40 60 A2 C2 A0 20 A9
XX4056: 01 2C FF CF 4C FF FF 2C 00 03
XX4060: 30 10 20 06 20 A2 C2 A0 20 2C
XX406A: FF CF 20 FF FF 4C 06 20 60 A2
XX4074: C2 A0 20 2C FF CF 20 FF FF 29
XX407E: 7F 60 12
XX3D0G
XXBSAVE DCOM.MODEM.PASCAL,A$4000,L128
XXTEXT:HOME:PRINT "UNPACKING:":?"PASCAL CARD DEFAULTS":POKE 34,3:HOME:CALL -151
XX4012: 00 00 00 00 00 00 00 00
XX401A: 00 00 00 00 00 60
XX3D0G
XXBSAVE DCOM.MODEM.PASCAL.D,A$4012,L13
XXTEXT:HOME:?"UNPACKING:":?"BASIC PROGRAMS: 'HELLO'":?"                'CONFIGURE
TERMINAL'":POKE 34,5:HOME
XXNEW
XX
XX10 D$ =  CHR$ (4)
XX20  TEXT : HOME
XX30  PRINT "WELCOME TO DCOM VERSION 3.1."
XX40  PRINT "COPYRIGHT 1986 JAMES A. HAYES"
XX50  PRINT : PRINT "THIS IS A BETA-TEST COPY. PLEASE DO NOT": PRINT "DISTRIBUTE
TO OTHERS. A FINAL VERSION"
XX60  PRINT "WILL BE RELEASED SOON.   THANK YOU."
XX70  PRINT : PRINT "--------------------------------------"
```

```
XX80  PRINT "HIT ";: INVERSE : PRINT "<RETURN>";: NORMAL : PRINT " TO START THE
TERMINAL,": PRINT : PRINT "OR ";: INVERSE : PRINT "<ESC>";: NORMAL : PRINT " TO
CONFIGURE YOUR HARDWARE.": PRINT
XX90  GET A$: IF A$ =  CHR$ (13) THEN 120
XX100  IF A$ <  >  CHR$ (27) THEN 90
XX110  HOME : GOTO 640
XX120  TEXT : HOME
XX130  PRINT "LOOKING FOR TERMINAL CONFIGURATION FILE."
XX140  ONERR  GOTO 600
XX150  PRINT D$"OPEN CONFIG.TERM"
XX160  PRINT D$"READ CONFIG.TERM"
XX170  FOR I = 1 TO 5: INPUT F$(I): INPUT DE$(I)
XX180  NEXT I
XX190  PRINT D$"CLOSE"
XX200  POKE 216,0
XX210  HOME
XX220  PRINT "DCOM 3.1 IS NOW LOADING THE TERMINAL": PRINT "SOFTWARE.  ONE MOMENT
PLEASE.": PRINT
XX230  INVERSE
XX240 : VTAB 4: PRINT "                  DRIVERS               "
XX250  VTAB 13: PRINT "                 DEFAULTS               ": NORMAL
XX260  FOR I = 1 TO 5
XX270  VTAB 5 + I: HTAB 1: PRINT DE$(I): NEXT I: VTAB 15
XX280  PRINT "VIDEO DEFAULTS": PRINT "SERIAL CARD DEFAULTS"
XX290  FOR I = 1 TO 5
XX300  VTAB 5 + I: HTAB 1: INVERSE : PRINT DE$(I)
XX310  NORMAL
XX320  VTAB 20: PRINT
XX330  PRINT D$"BLOAD ",F$(I)
XX340  VTAB 5 + I: HTAB 1: PRINT DE$(I)
XX350  NEXT I
XX360  VTAB 15: INVERSE : PRINT "VIDEO DEFAULTS": NORMAL : PRINT : PRINT D$"BLOAD
DCOM.MAIN.D"
XX370  VTAB 15: PRINT "VIDEO DEFAULTS"
XX380  VTAB 16: INVERSE : PRINT "SERIAL CARD DEFAULTS": NORMAL : PRINT : PRINT
D$"BLOAD "F$(5)".D"
XX390  VTAB 16: PRINT "SERIAL CARD DEFAULTS"
XX400  HOME
XX410  INVERSE : PRINT " THE TERMINAL HAS FINISHED LOADING.      PLEASE SWITCH TO
YOUR OUTPUT DEVICE.   ": NORMAL
XX420  PRINT
XX430  IF F$(4) = "DCOM.SCREEN.IIE" THEN  TEXT : HOME : PR# 0: IN# 0: PR# 3:
HOME : CALL 1002: PRINT "***"
XX440  CALL 8192
XX450  TEXT : HOME : PR# 0: IN# 0: TEXT : HOME : CALL 1002
XX460  IF  PEEK (767) <  > 255 THEN  END
XX470  VTAB 8: PRINT "STORING TERMINAL DEFUALTS..."
XX480  VTAB 10: HTAB 1
XX490  PRINT "POWER-ON VIDEO CHARACTERISTICS..."
XX500  PRINT  CHR$ (4)"BSAVE T.DEFAULTS,A$300,L$A0"
XX510  VTAB 10: HTAB 1
XX520  PRINT "POWER-ON VIDEO CHARACTERISTICS...DONE"
XX530  VTAB 11: HTAB 1
```

```
XX540  PRINT "SERIAL CARD SETTINGS..."
XX550  PRINT  CHR$ (4)"BSAVE "F$(5)".D,A$4012,L13"
XX560  VTAB 11: HTAB 1
XX570  PRINT "SERIAL CARD SETTINGS...DONE"
XX580  PRINT : PRINT : PRINT : PRINT "DCOM ENDED NORMALLY"
XX590  END
XX600  POKE 216,0
XX610  HOME : PRINT "YOUR TERMINAL HAS NOT BEEN CONFIGURED."
XX620  PRINT : PRINT : PRINT "HIT RETURN TO CONFIGURE THE TERMINAL..";
XX630  INPUT "";A$
XX640  PRINT "RUNNING: 'CONFIGURE TERMINAL'"
XX650  PRINT D$"RUN CONFIGURE TERMINAL"
XXSAVE HELLO
XXNEW
XX
XX10 D$ =  CHR$ (4):CF$ = "CONFIG.TERM"
XX20  TEXT : HOME
XX30  PRINT "TERMINAL CONFIGURATION MENU:"
XX40  PRINT : POKE 34,3
XX50  PRINT "----------------------------------------"
XX60  HOME
XX70  PRINT : PRINT
XX80 NO = 1
XX90  REM  LOOP BEGINS HERE
XX100  READ A$
XX110  IF A$ = "**" THEN 300
XX120  POKE 34,3: HOME : PRINT "WHAT "A$" CARD DO YOU HAVE?"
XX130  PRINT :I = 1
XX140  READ N$,F$(I),DE$(I): IF N$ = "*" THEN 190
XX150 N$(I) = N$
XX160  PRINT I") "N$(I)
XX170 I = I + 1
XX180  GOTO 140
XX190  POKE 34,17: HOME
XX200 I = I - 1
XX210  PRINT : PRINT "ENTER THE NUMBER OF YOU CHOICE, OR 'Q'  TO EXIT."
XX220  PRINT
XX230  INPUT "-> ";A$
XX240  IF A$ = "Q" THEN  TEXT : HOME : END
XX250 A =  VAL (A$): IF A < 1 OR A > I THEN  PRINT  CHR$ (7): GOTO 210
XX260 FF$(NO) = F$(A)
XX270 DD$(NO) = DE$(A)
XX280 NO = NO + 1
XX290  GOTO 90
XX300  POKE 34,3: HOME
XX310 NO = NO - 1
XX320  PRINT "I HAVE:": PRINT
XX330  FOR I = 1 TO NO
XX340  PRINT I") ";DD$(I)
XX350  NEXT I
XX360  POKE 34,17
XX370  HOME
XX380  PRINT "S) SAVE": PRINT "A) ABORT AND START OVER."
```

```
XX390  PRINT :
XX400  INPUT "-> ";A$
XX410  IF A$ = "S" THEN 440
XX420  IF A$ = "A" THEN  RUN
XX430  PRINT : GOTO 380
XX440  TEXT : HOME
XX450  PRINT "SAVING DRIVER SETTINGS."
XX460  PRINT D$"OPEN "CF$
XX470  PRINT D$"DELETE "CF$
XX480  PRINT D$"OPEN "CF$
XX490  PRINT D$"WRITE "CF$
XX500  PRINT "DCOM.MAIN"
XX510  PRINT "TERMINAL MAIN CODE"
XX520  PRINT "DCOM.CONTROL"
XX530  PRINT "TERMINAL CONTROL PANEL"
XX540  PRINT "DCOM.KEYBOARD.IIE"
XX550  PRINT "TERMINAL KEYBOARD DRIVER"
XX560  FOR I = 1 TO NO
XX570  PRINT FF$(I): PRINT DD$(I): NEXT I
XX580  PRINT D$"CLOSE"
XX590  HOME : PRINT "DONE. HIT ";: INVERSE : PRINT "RETURN";: NORMAL : PRINT " IF
YOU WOULD LIKE TO"
XX591  PRINT : PRINT "FIRE-UP THE TERMINAL, -OR- TYPE ";: INVERSE : PRINT "ESC";:
NORMAL : PRINT " TO"
XX592  PRINT : PRINT "EXIT. ";
XX593  GET A$: IF A$ =  CHR$ (27) THEN  HOME : END
XX594  IF A$ <  >  CHR$ (13) THEN 593
XX595  PRINT : PRINT "RUNNING 'HELLO'": PRINT D$"RUN HELLO"
XX596  END
XX600  END
XX610  DATA  80 COLUMN
XX620  DATA  OMNI-VISION (SLOT 3),DCOM.SCREEN.DVISION
XX630  DATA  'COMPUTER STOP' OMNI-VISION DRIVER
XX640  DATA  DOUBLE-VISION (SLOT 3),DCOM.SCREEN.DVISION
XX650  DATA  'COMPUTER STOP' DOUBLE-VISION DRIVER
XX660  DATA  APPLE //E IN AUX SLOT,DCOM.SCREEN.IIE
XX670  DATA  APPLE (AUX SLOT) 80 COLUMN DRIVER
XX680  DATA  APPLE //C BUILT-IN 80 COLUMN CARD,DCOM.SCREEN.IIE
XX690  DATA  APPLE //C 80 COLUMN DRIVER
XX700  DATA  *,XX,XX
XX710  DATA  SERIAL
XX720  DATA   SUPER SERIAL CARD (SLOT 2),DCOM.MODEM.SSC
XX730  DATA  SUPER SERIAL CARD DRIVER
XX735  DATA  ALS DISPATCHER (SLOT 2),DCOM.MODEM.PASCAL,ALS DISPATCHER (SLOT 2)
DRIVER
XX740  DATA  //C SERIAL PORT,DCOM.MODEM.SSC
XX750  DATA  APPLE //C SERIAL PORT DRIVER
XX760  DATA   GENERIC PASCAL COMPATIBLE (SLOT 2)
XX770  DATA  DCOM.MODEM.PASCAL
XX780  DATA  PASCAL COMPATIBLE SERIAL DRIVER
XX790  DATA   *,XX,XX
XX800  DATA  **
XXSAVE CONFIGURE TERMINAL
```

```
XXTEXT
XXHOME:?"UNPACKING FINISHED. READY TO RUN!":?:?"RUN THE HELLO PROGRAM TO FIRE UP
THE":?"TERMINAL.":?:?
SHAR_EOF
if test 36503 -ne "`wc -c < 'to.apple'`"
then
     echo shar: error transmitting "'to.apple'" '(should have been 36503
characters)'
fi
fi # end of overwriting check
#    End of shell archive
exit 0
```

```
From -3187722126659099561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90af5423b08aae30
X-Google-Attributes: gid129c11,public
X-Google-Thread: 13cc7c,90af5423b08aae30
X-Google-Attributes: gid13cc7c,public
X-Google-Thread: 1622d3,90af5423b08aae30
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-10 04:59:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!seismo!utah-cs!halff
From: halff@utah-cs.UUCP (Henry M. Halff)
Newsgroups: net.kids,net.micro,net.micro.apple
Subject: Re: MICROZINE tm.
Message-ID: <3709@utah-cs.UUCP>
Date: Mon, 10-Mar-86 07:59:58 EST
Article-I.D.: utah-cs.3709
Posted: Mon Mar 10 07:59:58 1986
Date-Received: Wed, 12-Mar-86 05:20:18 EST
References: <1064@loral.UUCP>
Distribution: na
Organization: Halff Resources, Inc.
Lines: 16
Xref: watmath net.kids:2758 net.micro:14012 net.micro.apple:2636
Summary: It's ok.

In article <1064@loral.UUCP>, miller@loral.UUCP (David P. Miller) writes:
> I recently received literature on a computer learning software library,for kids,
> called MICROZINE, which is sold by a company named Scholastic.
> I wonder how many of you out there have bought this software, and what are your
> impressions on it. Is it a good value ?. Would you, or your young one, recomend
> it to others ?. Does it emphasize entertaining more than teaching and informing?
> I would greatly appreciate any experienced input on this matter.

I subscribed to Microzine for a couple of years wehn my kid was between the
ages of 12-14.  It has a wide variety of software, for example, a miniature
file manager, adventure games, a robot programming environment.  I thought it
was well done, and it held our kid's attention until he outgrew it.  It might
be a bit old for a 6 1/2 year old though.
```

--
Henry M. Halff   Halff Resources, Inc.
halff@utah-cs.ARPA   4918 33rd Road, N., Arlington, VA 22207

From -4211431043230926713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cec53f2a55a0b154
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-10 15:26:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site dg_rtp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!mcnc!rti-sel!dg_rtp!owen
From: owen@dg_rtp.UUCP
Newsgroups: net.micro.apple
Subject: Re: mousedesk
Message-ID: <216@dg_rtp.UUCP>
Date: Mon, 10-Mar-86 18:26:57 EST
Article-I.D.: dg_rtp.216
Posted: Mon Mar 10 18:26:57 1986
Date-Received: Wed, 12-Mar-86 22:35:33 EST
References: <4527@topaz.RUTGERS.EDU>
Reply-To: owen@dg_rtp.UUCP (Karl Owen)
Organization: Data General, RTP North Carolina
Lines: 14

>In A+ I found out that for $10
>materials, handling, and shipping charges anyone, until 31-Mar-86, can
>reseave a copy of MouseDesk for the apple //c or e128k.
>

What's a MouseDesk? And is that receive or reserve?

                            Karl

--

                  Karl M. Owen
                  Data General, RTP, NC
                  ...!seismo!mcnc!rti-sel!dg_rtp!owen

From 1875557588869080656
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,52512d48d2ccf6ed,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,52512d48d2ccf6ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-11 07:53:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!jimv
From: jimv@apollo.uucp (James Vienneau)

Newsgroups: net.micro.apple,net.micro.cpm
Subject: NEED APPLE CP/M TERMINAL PROGRAM
Message-ID: <2c6e3748.46b9@apollo.uucp>
Date: Tue, 11-Mar-86 10:53:34 EST
Article-I.D.: apollo.2c6e3748.46b9
Posted: Tue Mar 11 10:53:34 1986
Date-Received: Fri, 14-Mar-86 03:54:04 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 4
Xref: watmath net.micro.apple:2638 net.micro.cpm:5299

Does anybody have a terminal program that will run on an Apple II+ under CP/M with a Franklin
CP/M card? I would like to have access to the CP/M public domain stuff ,but I need a terminal
program to get started. I would be happy to send a s.a.s.e. and a blank floppy to make it as
easy as possible.

From 211277904315606904
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 124863,542bae66fee330fb
X-Google-Attributes: gid124863,public
X-Google-Thread: 1622d3,5174859315deaf6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-11 17:17:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!umcp-cs!aplcen!jhunix!ins_armr
From: ins_armr@jhunix.UUCP
Newsgroups: net.micro.apple,net.music
Subject: Re: Rumor on the Apple IIx release. (really Rush)
Message-ID: <2176@jhunix.UUCP>
Date: Tue, 11-Mar-86 20:17:42 EST
Article-I.D.: jhunix.2176
Posted: Tue Mar 11 20:17:42 1986
Date-Received: Sat, 15-Mar-86 04:04:12 EST
References: <958@nmtvax.UUCP> <135@oucs.UUCP>
Reply-To: ins_armr@jhunix.ARPA (Rudy M Rumohr)
Organization: Johns Hopkins Univ. Computing Ctr.
Lines: 46
Xref: watmath net.micro.apple:2641 net.music:12588

In article <135@oucs.UUCP> joe@oucs.UUCP writes:
>>
>> They say there is strangeness too dangerous,
>> In our theaters and bookstore shelves.
>> Those who know what's best for us,
>> Must rise and save us from ourselves.
>
>There are those who think that Life is nothing left to chance,
>A host of Holy-Rollers to direct our aimless paths.

>   -Rush

You can't have something for nothing,
You can't have freedom for free.
You won't get wise with the sleep still in your eyes,
No matter what your dream might be...
          -Ibid

>
>Its great to see another Rush fan!

Yeah!

>Ever read any Rand (they get/got a lot of ideas/lyrics from her writings.
>?

Get out your copy of _Anthem_, then read the lyrics to '2112'... no doubt
about the inspiration there!

(Sorry about continuing this in this newsgroup, but I just couldn't resist...
:-))

--

Rudy Rumohr Jr.   3339 N. Charles St
                                                         Apartment 1-AL
UUCP: ihnp4!whuxcc!jhunix!ins_armr -or-   Baltimore, MD 21218
      seismo!umcp-cs!jhunix!ins_armr -or-
      allegra!hopkins!jhunix!ins_armr
ARPANET: ins_armr%jhunix.BITNET@wiscvm.ARPA

Necessity dictates the insertion of an appropriate disclamatory proclamation
into this section of this missive, both for assuredness of legality, and to
satisfy my lust for bombast.

"I've seen sex, and I think it's OK." -- Talking Heads

From -2541807016180776703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5174859315deaf6e
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 124863,542bae66fee330fb
X-Google-Attributes: gid124863,public
X-Google-ArrivalTime: 1986-03-12 06:48:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!hplabs!qantel!lll-lcc!lll-crg!gymble!umcp-cs!cvl!umd5!davida
From: davida@umd5.UUCP (David Arnold)
Newsgroups: net.micro.apple,net.music
Subject: Re: Re: Rumor on the Apple IIx release. (really Rush)

Message-ID: <879@umd5.UUCP>
Date: Wed, 12-Mar-86 09:48:44 EST
Article-I.D.: umd5.879
Posted: Wed Mar 12 09:48:44 1986
Date-Received: Sun, 16-Mar-86 00:34:10 EST
References: <958@nmtvax.UUCP> <135@oucs.UUCP> <2176@jhunix.UUCP>
Organization: U of Md, CSC, College Park, Md
Lines: 28
Xref: watmath net.micro.apple:2645 net.music:12615

> In article <135@oucs.UUCP> joe@oucs.UUCP writes:
> >>
> >> They say there is strangeness too dangerous,
> >>   -Rush
>
> You can't have something for nothing,
>   -Ibid
>
> >
> >Its great to see another Rush fan!
>
> Yeah!
>
I agree!! I've posted several articles about Rush here, and thought
Isaac (Gumby) was the only other one who cared!! If anybody wants
to talk about 'em, I'll be glad to join in! Either posting or mail
is fine!

Obligatory quote:

    "In different circles we keep holding our ground,
     Indifferent circles we keep spinning 'round and 'round"
--

David Arnold
University of Maryland
UUCP: { {allegra, seismo}!umcp-cs, ihnp4!rlgvax } ...!cvl!umd5!davida
ARPA: davida@umd5.ARPA

From 2831785716430570558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cec53f2a55a0b154
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-12 09:25:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!linus!philabs!cmcl2!
harvard!uwvax!gumby!hammen
From: hammen@gumby.UUCP (Marvin the Paranoid Android)
Newsgroups: net.micro.apple
Subject: Re: mousedesk
Message-ID: <81@gumby.UUCP>
Date: Wed, 12-Mar-86 12:25:27 EST

Article-I.D.: gumby.81
Posted: Wed Mar 12 12:25:27 1986
Date-Received: Sat, 15-Mar-86 20:45:06 EST
References: <4527@topaz.RUTGERS.EDU> <216@dg_rtp.UUCP>
Organization: the Heart of Gold
Lines: 22
Summary: MouseDesk is like the Mac Finder

In article <216@dg_rtp.UUCP>, owen@dg_rtp.UUCP writes:
> >In A+ I found out that for $10
> >materials, handling, and shipping charges anyone, until 31-Mar-86, can
> >reseave a copy of MouseDesk for the apple //c or e128k.
> >
>
> What's a MouseDesk? And is that receive or reserve?
>
>   Karl

     MouseDesk is a shell (for ProDOS, I believe) that emulates the Macintosh Finder, using the mouse/icons/desktop interface. It uses double-high res graphics, and it may require the enhancement kit for use on the //e. You can receive a copy of it by mailing to the address listed in the previous posting (sorry, I don't know what it is). The reason you can get a copy of it for $10 is because Apple ahs more or less put their advertising weight behind Quark's Catalyst 3.0 in the Apple // desktop war.

Robert J. Hammen   {seismo,ihnp4,allegra}!uwvax!puff!hammen
Manta Software Corp.   !gumby!hammen
U of Wisc. CS Dept.   hammen@{PUFF.WISC.EDU,GUMBY.WISC.EDU}
U of Wisc. Plasma Physics Dept.

From 3147081710693939542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a0e17d39da5877c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-12 13:57:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site excalibur.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!burdvax!psuvax1!vu-vlsi!excalibur!188622462
From: 188622462@excalibur.UUCP (Greene T Richard)
Newsgroups: net.micro.apple
Subject: "re: re:apple iix"
Message-ID: <434@excalibur.UUCP>
Date: Wed, 12-Mar-86 16:57:20 EST
Article-I.D.: excalibu.434
Posted: Wed Mar 12 16:57:20 1986
Date-Received: Tue, 18-Mar-86 01:33:57 EST
Distribution: net
Lines: 30

In article <128@tetra.UUCP> rupp@tetra.UUCP (William L. Rupp) wrote:

>In article <423@excalibur.UUCP> 188622462@excalibur.UUCP (Rick Greene) writes:
>>
>>For some more information, look at the March 86 issue of Nibble magazine.
>>I believe they devoted the editor's column to this issue. Some very neat
>>ideas are put forth as to what this new compuer will have, including the
>>
>
>Seems to me that the editor was putting forth some nice features that
>the advanced Apple // MIGHT have, not WILL have. I know as little as
>most people about this, but I think it is a little too much to expect
>any compatibility with Macintosh software. Even if it were possible, I
>do not think Apple would necessarily like the idea.

Sorry, my mistake, I did mean to say "might", not "will".

Also, it was my interpretation that the editor thought the new Apple would
be able to use DATA, not the programs themselves, from the MAC. This would
not be so hard to do, whereas dual compatibility would be more difficult.

As an aside question, does anyone know what the average age and job is of
the people who use the net? Is it just working adults and a few college
students (like myself)?

Rick Greene
      ...!ihnp4!psuvax1!vu-vlsi!excalibur!188622462

Reply to postings! Send mail! I want to get to know all the major people here!

From -1320444911186414631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,48e648fe9051af3f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-12 15:11:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mtsbb.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mtuxo!mtsbb!mjv
From: mjv@mtsbb.UUCP (M.J.VELASQUEZ)
Newsgroups: net.micro.apple
Subject: Beginner
Message-ID: <152@mtsbb.UUCP>
Date: Wed, 12-Mar-86 18:11:35 EST
Article-I.D.: mtsbb.152
Posted: Wed Mar 12 18:11:35 1986
Date-Received: Fri, 14-Mar-86 06:13:57 EST
Distribution: net
Organization: AT&T-Information Systems, Middletown, NJ
Lines: 3

Is this message getting through ?
This my first atempt to post something. I have a lot of questions but need to

test posting first.*** REPLACE THIS LINE WITH YOUR MESSAGE ***

From -1401521414353536695
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,52512d48d2ccf6ed
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,52512d48d2ccf6ed
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-13 16:48:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!gargoyle!sphinx!god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: NEED APPLE CP/M TERMINAL PROGRAM
Message-ID: <1798@sphinx.UChicago.UUCP>
Date: Thu, 13-Mar-86 19:48:08 EST
Article-I.D.: sphinx.1798
Posted: Thu Mar 13 19:48:08 1986
Date-Received: Sun, 16-Mar-86 08:43:36 EST
References: <2c6e3748.46b9@apollo.uucp>
Reply-To: god3@sphinx.UUCP (Peter Godwin)
Organization: University of Chicago Computation Center
Lines: 20
Xref: watmath net.micro.apple:2646 net.micro.cpm:5318

Z-term is the best I have found so far... Southwestern Data Systems

Very similar to Ascii Express the Professional

--

Peter Godwin
University of Chicago
U of C Computation Center

uucp: ...ihnp4!gargoyle!sphinx!god3
mailnet: x9.xpg@UChicago.Mailnet
bitnet: god3%sphinx@UChicago.Bitnet
ARPA: x9.xpg%UChicago.Mailnet@MIT-Multics.ARPA

USnail: Room 2322x
5824 S. Kimbark Avenue Home: 312-288-1816
Chicago, IL 60637

From 6787134828716387601
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cec53f2a55a0b154
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-03-13 23:38:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: mousedesk
Message-ID: <2786@reed.UUCP>
Date: Fri, 14-Mar-86 02:38:34 EST
Article-I.D.: reed.2786
Posted: Fri Mar 14 02:38:34 1986
Date-Received: Sat, 15-Mar-86 19:28:51 EST
References: <4527@topaz.RUTGERS.EDU> <216@dg_rtp.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 33

In article <216@dg_rtp.UUCP> owen@dg_rtp.UUCP (Karl Owen) writes:
>>In A+ I found out that for $10
>>materials, handling, and shipping charges anyone, until 31-Mar-86, can
>>reseave a copy of MouseDesk for the apple //c or e128k.
>>
>
>What's a MouseDesk? And is that receive or reserve?
>
>   Karl M. Owen

MouseDesk is a ProDos operating environment much like the Mac. Without going into editorials on whether or not this should be done, here's what it is. It boots up like normal, then displays the "Desktop" on which you will find a disk icon, another disk icon if you have something in the second drive, and a menu bar. There are two manufacturers of Desktop software. One is MouseDesk, the other is Catalyst. To combat Catalyst, which is given out with the new 3.5 inch disk drives, the MouseDesk manufaturer has made this offer. It will run with 5.25 or 3.5 inch disks. However, one interesting (and annoying) thing is thaour computers can't spit out disks, so you have to tell it you're doing it. Otherwise it get confused. A+ ran a comparison of these two programs in their March issue. I heard that supposedly one of them will eventually scan the disk every few (insert time segment here)'s. That way you won't have to tell it you're switching disks.

Sean Kamath

[ihnp4,decvax,ucbcad]!tektronix!reed!kamath

Disclaimer: I don't have either of these programs. I am not associated with A+. My opinions are those of our new black kitten only. He needs a name by the way.   Any suggestions? He looks like his name should start with a B. E-mail only, please.....

From -2020371651298247804

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,52512d48d2ccf6ed
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,52512d48d2ccf6ed
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-14 09:29:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsri.UUCP
Path: utzoo!utcsri!greg
From: greg@utcsri.UUCP (Gregory Smith)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: NEED APPLE CP/M TERMINAL PROGRAM
Message-ID: <2331@utcsri.UUCP>
Date: Fri, 14-Mar-86 12:29:54 EST
Article-I.D.: utcsri.2331
Posted: Fri Mar 14 12:29:54 1986
Date-Received: Fri, 14-Mar-86 12:42:48 EST
References: <2c6e3748.46b9@apollo.uucp>
Reply-To: greg@utcsri.UUCP (Gregory Smith)
Organization: CSRI, University of Toronto
Lines: 12
Summary:

[]
Somebody mailed out a VT100 emulator on net.sources not 2 weeks ago. He
also offered a *free* copy to anybody who mailed in a disk, mailer and
return postage. This works on an apple with a number of 80-column cards
and a number of serial port cards. I haven't got it, but maybe you should
redirect your request to net.sources.wanted.
This probably doesn't work with the CP/M card, but IF it can save to disk
and IF you can copy APPLE files to CP/M files, you shouldn't have a problem.
--
"So this is it. We're going to die." - Arthur Dent

Greg Smith   University of Toronto   ..!decvax!utzoo!utcsri!greg

From -2888931273603025286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cec53f2a55a0b154
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-14 10:21:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!glacier!oliveb!
hplabs!qantel!lll-lcc!lll-crg!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!
ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: mousedesk
Message-ID: <310@ius2.cs.cmu.edu>
Date: Fri, 14-Mar-86 13:21:12 EST
Article-I.D.: ius2.310
Posted: Fri Mar 14 13:21:12 1986

Date-Received: Mon, 17-Mar-86 03:32:29 EST
References: <4527@topaz.RUTGERS.EDU> <216@dg_rtp.UUCP> <81@gumby.UUCP>
Organization: Carnegie-Mellon University, CS/RI
Lines: 35

In article <81@gumby.UUCP> hammen@gumby writes:
>In article <216@dg_rtp.UUCP>, owen@dg_rtp.UUCP writes:
>> >In A+ I found out that for $10
>> >materials, handling, and shipping charges anyone, until 31-Mar-86, can
>> >reseave a copy of MouseDesk for the apple //c or e128k.
>> >
>>
>> What's a MouseDesk? And is that receive or reserve?
>>
>>   Karl
>
>   MouseDesk is a shell (for ProDOS, I believe) that emulates the Macintosh
>Finder, using the mouse/icons/desktop interface. It uses double-high res
>graphics, and it may require the enhancement kit for use on the //e. You can
>receive a copy of it by mailing to the address listed in the previous posting
>(sorry, I don't know what it is). The reason you can get a copy of it for $10
>is because Apple ahs more or less put their advertising weight behind Quark's
>Catalyst 3.0 in the Apple // desktop war.

Both MouseDesk and Catalyst require 128K of memory and a 65c02. They may
require the upgraded Roms as well, but that's more or less a moot point
since most people with a 65c02 already have the new Roms.
Anyway, they can't be run on the][+ (strange, since the AppleMouse works OK).
This means there is still an opportunity for somebody out there.

MouseDesk is bundled with the Apple Disk drives in Europe. Also, MouseDesk
version 2.0 (not copy protected, unlike the $10 version) is coming out April
1, apparently as part of an integrated package with some other International
Solutions products.
--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From 8475936274295854635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8250e0c5c4fd9d92
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-14 10:27:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!amdcad!amdimage!
prls!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: Need replacements for old Apple][motherboards (or pointers)

Message-ID: <1209@mmintl.UUCP>
Date: Fri, 14-Mar-86 13:27:30 EST
Article-I.D.: mmintl.1209
Posted: Fri Mar 14 13:27:30 1986
Date-Received: Mon, 17-Mar-86 03:57:04 EST
References: <228@ccnysci.UUCP>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 34

In article <228@ccnysci.UUCP> alexis@ccnysci.UUCP writes:
>A charitable institution has a few VERY old Apple]['s. They all have the gold
>power supply. Three are failing constantly, anywhere from 1 to 3 hrs. after
>power-on(sometimes even less). I am pretty sure the motherboard is heat-warped
>since opening the top and pressing down all the chips (I guess they get forced
>up) will restore operation for a while... then you have to do it again.
>Since repair is impossible (if that's wrong, do tell...) ....

*
Your motherboards are probably OK. What age & heat usually cause is a bad
contact between pin and socket. You can remove chips and clean them with
an eraser, or even simply clean them with non-residue contact cleaner.
Sometimes just a real good reseating will cure problems, especially if
pushing them down does the job for a while. Are you sure that it's the
pushing or is it the cooling off period that temporarily fixes your pro-
blem?
For a large selection of Apple replacement parts try the Computer Shopper
Magazine (out of Titusville FL). There are ads all over the mag and an
Apple stuff for sale section.
                                    Jeff

        ****
        *   Jeff Miller   *
        *   Multimate International Corp.   *
        *   52 Oakland Avenue   *
        *   East Hartford, CT 06108-9911   *
        *   (203) 522-2116 x257   *
        * UUCP: *
        * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
        *   *
 -->   * P.S. I can't *mail* to ARPA but I can receive *   <--
 -->   * from there. News I *post* should get there. *   <--
        ****
*

From 8558860128636201887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb87799d42e6ed98
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-03-14 14:34:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!gatech!seismo!brl-adm!brl-smoke!gwyn
From: gwyn@brl-smoke.UUCP
Newsgroups: net.micro.apple
Subject: Re: Need TERMINFO for Apple Access
Message-ID: <1823@brl-smoke.ARPA>
Date: Fri, 14-Mar-86 17:34:41 EST
Article-I.D.: brl-smok.1823
Posted: Fri Mar 14 17:34:41 1986
Date-Received: Mon, 17-Mar-86 04:15:50 EST
References: <112@nvuxb.UUCP> <388@chinet.UUCP>
Reply-To: gwyn@brl.ARPA
Organization: Ballistic Research Lab (BRL)
Lines: 21

>What I am looking for is termcaps/terminfo info for a IIe/IIc WITHOUT a
>terminal "emulator" as such - a friend is using the firmware within a
>Prometheus card to talk to work. It has data capture and transfer
>capabilities, but does no emulation; just vanilla Apple.

```
#
# Apple //e with 80-column card
# The modem interface is permitted to discard LF (maybe DC1), otherwise
# passing characters to the 80-column firmware via COUT (PR#3 assumed).
# Auto-wrap does not work right due to newline scrolling delay, which also
# requires that you set "stty cr2".
# Note: Cursor addressing is only available via the Pascal V1.1 entry,
# not via the BASIC PR#3 hook.  All this nonsense can be avoided only by
# using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
     :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
     :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
     :sr=^V:up=^_:\
     :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
     :cm=^^%r%+ %+ :tc=apple2e:
```

From 8430115735487812265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6103406644c6b2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-24 07:27:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 7/26/84) 6/24/83; site druhi.UUCP
Path: utzoo!decvax!bellcore!ulysses!mhuxr!mhuxt!houxm!mtuxo!drutx!druhi!des
From: des@druhi.UUCP (SalyerDE)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-res graphics, confirmation
Message-ID: <170@druhi.UUCP>
Date: Fri, 24-Jan-86 10:27:38 EST
Article-I.D.: druhi.170
Posted: Fri Jan 24 10:27:38 1986

Date-Received: Sat, 25-Jan-86 05:24:11 EST
References: <777@alberta.UUCP> <4330@topaz.RUTGERS.EDU> <219@hropus.UUCP>
<107@ttidcc.UUCP>
Distribution: na
Organization: AT&T Information Systems Laboratories, Denver
Lines: 35

In reference to the Apple //e upgrade, Paul Blumstein writes:

> software may no longer work!!!! Currently, only Supercalc 3A requires
> the upgrade. There is no good reason to upgrade--at least not yet.

I beg to differ with you, but there are several reasons to upgrade to the enhanced //e roms (and processor, by the way - 65C02). First, there have been several bugs fixed, smoother 80-column scrolling, proper recovery from switching from 80-column to printer and back again, as well as being able to run the //c software that uses the expanded instruction set of the 65C02. Also I believe that interrupt handling is better now. Also included is the mini-assembler which was left out of earlier versions of the //e.

On compatibility, the only programs which will not work are the ones which use undocumented locations in the ROM code, or those which used the set of characters which are now mouse characters. I have a lot of software and have not had any problems with the upgrade.

I recommend getting the upgrade, specifically for the 80-column fixes, it's nice to see smooth scrolling again.

By the way, don't any of you out there read Nibble Magazine, or belong to A.P.P.L.E-Coop (to receive Call-A.P.P.L.E.)? These publications are a storehouse of valuable information, and most of what I have said was in these magazines. Try them you'll like them.

Real Life: Dale Salyer (Programmer)
E-Mail Address: ihnp4!druhi!des
U.S. Mail: AT&T Info. Systems Laboratories
Rm. 8Z326
Denver, CO 80229
(303) - 538-4907

From -7020369727834141030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,de4b5953134dc9db,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-25 16:38:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site muddcs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!trwrb!scgvaxd!muddcs!sroth
From: sroth@muddcs.UUCP (Steve Roth)

Newsgroups: net.micro.apple
Subject: Terminal Emulation Software
Message-ID: <349@muddcs.UUCP>
Date: Sat, 25-Jan-86 19:38:00 EST
Article-I.D.: muddcs.349
Posted: Sat Jan 25 19:38:00 1986
Date-Received: Tue, 28-Jan-86 06:17:36 EST
Distribution: net
Organization: Harvey Mudd College, Claremont, CA
Lines: 7

Can anyone recommend for me a freeware or public domain terminal emulation
package for an Apple II+? $100+ for a commercial one is simply more than
I can afford. Please reply by mail. Thanks.
--

Steve Roth   Harvey Mudd College, Claremont California
ucbvax!trwrb!scgvaxd!muddcs!sroth   -or-   STEVE@YMIR.BITNET

From -5965734603859472653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d55c4344c773f424,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-25 16:42:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site muddcs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcrdcf!trwrb!scgvaxd!muddcs!sroth
From: sroth@muddcs.UUCP (Steve Roth)
Newsgroups: net.micro.apple
Subject: Terminal Emulation Software (addendum)
Message-ID: <350@muddcs.UUCP>
Date: Sat, 25-Jan-86 19:42:16 EST
Article-I.D.: muddcs.350
Posted: Sat Jan 25 19:42:16 1986
Date-Received: Tue, 28-Jan-86 06:17:50 EST
Distribution: net
Organization: Harvey Mudd College, Claremont, CA
Lines: 10

My apologies for not signing the preceding article on this subject;
I assumed .signature would be appended automatically.

Steve Roth   Harvey Mudd College, Claremont California
ucbvax!trwrb!scgvaxd!muddcs!sroth   -or-   STEVE@YMIR.BITNET
--

Steve Roth   Harvey Mudd College, Claremont California
ucbvax!trwrb!scgvaxd!muddcs!sroth   -or-   STEVE@YMIR.BITNET

From -7180387671988102182
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,99ab1c60f2b2cbaa,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,99ab1c60f2b2cbaa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-26 10:14:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!pkern
From: pkern@utcs.uucp (pkern)
Newsgroups: net.wanted,net.micro.apple
Subject: wanted: 6502 assembler book recommendations
Message-ID: <1064@utcs.uucp>
Date: Sun, 26-Jan-86 13:14:19 EST
Article-I.D.: utcs.1064
Posted: Sun Jan 26 13:14:19 1986
Date-Received: Sun, 26-Jan-86 13:22:07 EST
Distribution: net
Organization: University of Toronto - General Purpose UNIX
Lines: 7

Can someone recommend a 6502 Assembly book?
I would like to get a good reference book before fiddling
fiddling with assembly code.

thanks,
P. Kern
     ..!{ihnp4,cbosgd}!utcs!pkern

From -5016872239702554890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,e1bb3a1542d3a9b9,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-01-26 10:20:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!pkern
From: pkern@utcs.uucp (pkern)
Newsgroups: net.wanted,net.micro.apple
Subject: wanted: 6502 assembly book recommendations
Message-ID: <1066@utcs.uucp>
Date: Sun, 26-Jan-86 13:20:25 EST
Article-I.D.: utcs.1066
Posted: Sun Jan 26 13:20:25 1986
Date-Received: Sun, 26-Jan-86 13:22:52 EST
Distribution: net
Organization: University of Toronto - General Purpose UNIX
Lines: 7

Can someone recommend a 6502 Assembly book?
I would like to get a good reference book before
fiddling with assembly code.

thanks,
P. Kern
     ..!{ihnp4,cbosgd}!utcs!pkern

From -567542522023367174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7509e01f25282a8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-26 14:46:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site srcsip.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!mmm!srcsip!cimbura
From: cimbura@srcsip.UUCP (Tim Cimbura)
Newsgroups: net.micro.apple
Subject: Double hi-res, etc.
Message-ID: <3571@srcsip.UUCP>
Date: Sun, 26-Jan-86 17:46:05 EST
Article-I.D.: srcsip.3571
Posted: Sun Jan 26 17:46:05 1986
Date-Received: Tue, 28-Jan-86 05:24:35 EST
Organization: Honeywell SRC (SIP), Mpls MN
Lines: 17

A few days ago I posted some info regarding double hi-res which
I am not sure anyone got.

I have written a character generator that may be used in double
hi-res (complete with utilities). I also have routines for plotting,
or will write routines to do anything in double hi-res.

If you have anymore questions post it on news (I always read apple
stuff) or write directly to me.

Tim Cimbura
Apex Software
1163 Khyber Lane
Columbia Heights, MN 55421

The character generator is called APEXTEXT and is currently being
used by many major publishers worldwide.

From -6620898175081474944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8421913a18ba02c2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-27 15:08:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!mcnc!
ecsvax!jde
From: jde@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: SIDER 10MB for unMac-Apples
Message-ID: <1127@ecsvax.UUCP>
Date: Mon, 27-Jan-86 18:08:27 EST
Article-I.D.: ecsvax.1127
Posted: Mon Jan 27 18:08:27 1986
Date-Received: Thu, 30-Jan-86 05:06:57 EST
References: <869@ecsvax.UUCP>
Organization: North Carolina Educational Computing Service
Lines: 22

To: egapmh@ecsvax.UUCP
Subject: Re: SIDER 10MB for unMac-Apples
References: <869@ecsvax.UUCP>

I have been using a Side 10 Meg for a while, since they
came out. I love it. It is quite a deal as far as
hard disks for Apple IIs are concerned; most are still
very overpriced, the Sider is only a little overpriced
(considering you can get a 10 meg for an IBM for $295
mail order).
First Class has reported to have sold 15,000 Siders since
they started shipping. Accordingly, delivery may be
as late as 3 weeks, and tech support lines are very
busy.
First Class has announced a 20Meg drive (currently shipping),
and a tape backup for the Sider (which is really needed,
since the backup utilities provided are somewhat archaic,
and obviously require much disk shuffling.

Danny Edwards

From -691013620593881267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96a4f3361811c08f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-27 20:50:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site sol1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!sol1!john
From: john@sol1.UUCP (john)
Newsgroups: net.micro.apple
Subject: PARTING OUT APPLE][+ System
Message-ID: <419@sol1.UUCP>
Date: Mon, 27-Jan-86 23:50:51 EST
Article-I.D.: sol1.419

Posted: Mon Jan 27 23:50:51 1986
Date-Received: Thu, 30-Jan-86 05:37:22 EST
Reply-To: john@sol1.UUCP (John Korsmeyer)
Organization: THE SOLUTION, Lincoln, NE
Lines: 27

We are taking bids for the following:
(This is a networked system that we are parting out)

Apple][+ computer
Apple][+ computer (hardly used but has bad chip)
Corvus 20 Meg Hard disk with mirror backup
Corvus constellation network (allows multiple Apples to share harddisk)
16K ram card, CCS 7710 serial card, Videx 80 column card,
Qume 5/45 daisy wheel printer
Floppy controller & drive, Microsoft Z-80 card, ThunderClock,
3) Corvus controller cards.
misc cards including more 7710 cards. (all packed already)
Sanyo Green screen monitor, System Saver fan.
Accounting+ accounting software
Multiplan Spreadsheet
dBase II database
Hundreds of programs, many public domain, many not.
CP/M, DOS 3.3, Prodos, Pascal
cables etc...

Cost over $16,000.00 new

CALL: 402/483-2238 Office or 402/483-2230 HOME

akgua!sol1!john

From 8351691116704950200
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,293974e8209e7447,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-28 09:20:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hounx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hounx!sparks
From: sparks@hounx.UUCP (L.IFLAND)
Newsgroups: net.micro.apple
Subject: ASCII Express & Hayes Smartmodem
Message-ID: <539@hounx.UUCP>
Date: Tue, 28-Jan-86 12:20:39 EST
Article-I.D.: hounx.539
Posted: Tue Jan 28 12:20:39 1986
Date-Received: Thu, 30-Jan-86 00:38:31 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 13

Does anyone know how to get an Apple II+ with a
Super Serial Card and a Hayes Smartmodem running
ASCII Express to autodial and autolog via the macros.
I am a user and have little programing knowledge. I
have read and reread the three manuals and to me they
are not explicit and make little sense (they were not
written for a hardware engineer like myself).

Thanks in advance if anyone can help.

H.L. Ifland
ihnp4!hounx!sparks
Phone 201 949-0350

From -631110790115858264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,25a269b0d27cef23,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,25a269b0d27cef23,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,25a269b0d27cef23,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,25a269b0d27cef23,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1986-01-28 09:31:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!amdcad!lll-crg!seismo!rochester!ritcv!mja0347
From: mja0347@ritcv.UUCP (Michael Allen)
Newsgroups: net.micro,net.micro.apple,net.games,net.games.frp
Subject: Help needed on Ultima III
Message-ID: <9287@ritcv.UUCP>
Date: Tue, 28-Jan-86 12:31:49 EST
Article-I.D.: ritcv.9287
Posted: Tue Jan 28 12:31:49 1986
Date-Received: Sat, 1-Feb-86 02:45:13 EST
Reply-To: mja0347@ritcv.UUCP (Slartibartfast)
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 10
Xref: watmath net.micro:13648 net.micro.apple:2499 net.games:2516
net.games.frp:2372

****
  A friend of mine needs to know how to finish the game of Ultima III,
I believe this is Exodus. He needs to find the slots for the four cards.
Send me any info you have on this or on winning the game in general.

Michael Allen

{allegra,decvax,seismo}!rochester!ritcv!mja0347
mja0347@ritcv.UUCP
mja0347@ritvaxc.BITNET

From 8057073281479023931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-28 15:21:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!pyramid!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <2390@reed.UUCP>
Date: Tue, 28-Jan-86 18:21:18 EST
Article-I.D.: reed.2390
Posted: Tue Jan 28 18:21:18 1986
Date-Received: Sat, 1-Feb-86 02:16:11 EST
References: <1066@utcs.uucp>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 74

In article <1066@utcs.uucp> pkern@utcs.uucp (pkern) writes:
>Can someone recommend a 6502 Assembly book?
>I would like to get a good reference book before
>fiddling with assembly code.
>
>thanks,
>P. Kern
>   ..!{ihnp4,cbosgd}!utcs!pkern

There are an awful lot of "assembly books" on the market. Be careful, take the time to read anything anyone recommends in the store a little bit before you buy. So many are real trash. There are a few good guidlines to follow...

1) keep away from books that are so large they look more like bricks than books...they usually turn out to be bookend and shelf block more often than not.

2) it is usually a good idea to have a firm understanding of the 6502 opcode set first. It isn't that ultra-important that you know every opcode and every mode of addressing, but it sure helps. It can be a real pain to find out that that wonderful opcode you've been using all this time isn't an opcode but a psuedo-opcode. A good way to learn about the 6502 (or 65C02) opcode set is in a 6502 reference card, the Technical Reference Manual for your computer, or even in an "Assembly Book". Also, if you have a new //c or upgraded //e, a integer card, or an old //e, //c,][, or][+ (the later two with language cards), you can use the mini assembler. From a //c or //e (new) you can enter it by typing

an "!" in the monitor. From everything else, get into integer basic (By loading it from the DOS Master Diskette or having it in ROM) and go into the monitor. then type F666G, and there you are. you can find out pretty easily how to use it in the integer card manual or the like. It's very limited and useless for anything but quick fixes and learning opcodes and there mnumonics.

3) try to get an assembly book that has useful and interesting examples. There is nothing more boring than typing in 50 lines of code that make the speaker go "BING" to illustrate how to use indirect indexed addressing, when you know how to buzz the speaker with 3 lines, and you really want to know how to do custome memory moves. Beware, however, that learning assembly language in the beginning is rarely more exciting than putting you name on the screen after struggling for 10 hours.

4) if possible, try to get a book that uses an assembler you've heard of a know about, have or plan to use. It's a minor problem to translate assemblers, but some just don't have very many features.

I personally like Glen Brendon's Merlin Pro Assembler, which now has a full screen editor (Available from Roger Wagner Publishing). Don Lancaster has noted that he likes the ProDOS Assembler from Apple in conjuction with Applewriter (For more info about this and also Assembly Language [not 6502 opcode programming, though] see his Assembly Cookbook [SAMS]). I have heard the Roger Wagner's "Assembly Lines" (or something like that) is an excellent book on programming the 6502. I've been looking for a good book for a friend of mine for quite some time. I still haven't found anything that isn't either very condecending, overly technical, or otherwise more trouble than it's worth. I might just end up teaching her myself.

In recent issues of A+, Nibble, and InCider, there have been articles on assembly language prgramming. You might want to check them out.

Good luck!

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 2648839200128711364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-29 06:17:31 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!wanginst!apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple
Subject: Franklins and ProDos
Message-ID: <2b9faf7f.46b9@apollo.uucp>
Date: Wed, 29-Jan-86 09:17:31 EST
Article-I.D.: apollo.2b9faf7f.46b9
Posted: Wed Jan 29 09:17:31 1986
Date-Received: Sat, 1-Feb-86 00:32:53 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 3

Has anybody ever seen ProDos and/or Appleworks run on a Franklin Ace1000?
Are the 2c and 2e versions of Prodos different. If you know the answers to these
questions please tell me let me know!

From 3897068238650300524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-29 13:01:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxd!res1
From: res1@mhuxd.UUCP (STEALEY)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <4269@mhuxd.UUCP>
Date: Wed, 29-Jan-86 16:01:40 EST
Article-I.D.: mhuxd.4269
Posted: Wed Jan 29 16:01:40 1986
Date-Received: Thu, 30-Jan-86 06:44:23 EST
References: <1066@utcs.uucp>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 43
Xref: watmath net.wanted:8035 net.micro.apple:2495

> Can someone recommend a 6502 Assembly book?

I have two 6502 assembly language books. Here is a description of
each.
     PROGRAMMING THE APPLE II IN ASSEMBLY LANGUAGE
     By Rodney Zaks
     Published by Sybex, Inc.
     2344 Sixth St.
     Berkeley, CA 94710

price= ?? (was a gift, but worth $24-30)
415-848-8233

This book is 456 pages plus appendices, and is beautifully done, is up-to-date (ProDos, etc.), and very thorough. It is not a "learn by doing" book. The author recommends buying "6502 Applications Book" as a followup to this book. It is written with the Merlin assembler used in some examples, but you do not have to be committed to Merlin to get the full value out of this book. Highly recommended.

USING 6502 ASSEMBLY LANGUAGE
By Randy Hyde
Datamost
8943 Fullbright Ave.
Chatsworth, CA 91311
price=$19.95
213-709-1202

This book is a pocket-sized paperback. $19.95 seems a lot for it, but it is often seen discounted at computer shows, flea markets. It is based on the Lisa assembler and is also well done, with a mix of theory and practical examples. If you were in a hurry you could probably get through this one much faster than the first one, although your education would not be top notch. (Sort of like a community college vs. Harvard)

I would appreciate expansion of this discussion to include recommendations on various assemblers. In particular, does anyone know if "The ProDos Assembler" is produced by Apple? It is recommended several times in the first book mentioned above.

Rick
{ihnp4!mhuxd!res1}

From 8664146923558493115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1e491d9fd8e2ea8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-29 16:28:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site myrias.UUCP
Path: utzoo!utcsri!ubc-vision!alberta!myrias!sjl
From: sjl@myrias.UUCP (Stuart Lomas)
Newsgroups: net.micro.apple
Subject: Putting a 65C02 cpu in an Apple II+
Message-ID: <213@myrias.UUCP>
Date: Wed, 29-Jan-86 19:28:46 EST
Article-I.D.: myrias.213
Posted: Wed Jan 29 19:28:46 1986
Date-Received: Wed, 29-Jan-86 21:25:41 EST
Organization: Myrias Research, Edmonton
Lines: 34

While visiting my local components dealer yesterday, I noticed a Rockwell R65C02P1 microprocessor on the shelf. The data sheet says that it is software and pinout compatible with the standard NMOS 6502, the only differences being lower power consumption and an extended instruction set. Feeling brave, I plunked down my C$12.19, bought the chip, and plugged it into my 5 year old Apple II+. It seems to work - that is, Apple Pascal 2.1 runs just fine.

Now for some questions:

- Has anyone else out there tried this? Any problems?

- I assume that this is the same chip as is found in the Apple //c. However, the data sheet for my chip describes a whole series of instructions that do not appear in the //c reference manual, specifically:

  SMB[0-7] (Set Memory Bit 0-7, 8 opcodes)
  RMB[0-7] (Reset Memory Bit)
  BBS[0-7] (Branch on Bit Set)
  BBR[0-7] (Branch on Bit Reset)

  There may be some other inconsistencies - I didn't have both sheets to compare. A whole variety of other instructions (PHX, PHY, LDA (ind), BRA, etc) appear in both the data sheet and //c reference manual.

  So, do I have the same chip as the Apple //e?

- Currently, I do all of my assembler programming using the Apple Pascal 2.1 assembler, which is nice because I can link assembler subroutines to my Pascal programs. Does anyone know of an assembler that runs under Pascal 2.1 and assembes the 65C02 opcodes and extended addressing modes?

From 9164576557175991249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-30 11:09:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Franklins and ProDos
Message-ID: <2407@reed.UUCP>
Date: Thu, 30-Jan-86 14:09:58 EST
Article-I.D.: reed.2407
Posted: Thu Jan 30 14:09:58 1986
Date-Received: Sat, 1-Feb-86 05:44:17 EST

References: <2b9faf7f.46b9@apollo.uucp>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 25
Summary:

In article <2b9faf7f.46b9@apollo.uucp> jimv@apollo.uucp (James Vienneau) writes:
>Has anybody ever seen ProDos and/or Appleworks run on a Franklin Ace1000?
>Are the 2c and 2e versions of Prodos different.

first off, there are two versions of ProDOS that I know about, Versions 1.0.1
and 1.1.1. They are slightly different. ProDOS can be used on any Apple with
at least 64K. It is the same on any machine, so there is no //e or //c version.

The only problem with using ProDOS on a Franklin is that it checks to see if
you are on an Apple machine. If not, it bombs out in the boot process. All
you have to do is find out where it does it with a sector editor and remove
the jump to the check routine. Exactly how to do it is in the Febuary issue
of Nibble magazine. If you can't find it, let me know. If more people are
interested, I'll post the complete details.

very truly yours,

sean kamath
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -3316148779139098006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 07:58:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!mcnc!
duke!cds
From: cds@duke.UUCP
Newsgroups: net.micro.apple
Subject: There's no net.sources.//e
Message-ID: <6859@duke.UUCP>
Date: Fri, 31-Jan-86 10:58:16 EST
Article-I.D.: duke.6859
Posted: Fri Jan 31 10:58:16 1986
Date-Received: Sat, 1-Feb-86 21:49:09 EST
Organization: Duke University
Lines: 14

I was just noticing that there is this wonderful newsgroup called
net.sources.mac where folks post sources and binaries for all kinds of
public domain Macintosh software. Why isn't there such a thing for the
Apple //+ - //e - //c owners? And since there isn't one, how do we go about
obtaining such software? I`m told by *reliable* people that jillions of
public domain programs exist for Apple //'s. Anybody want to point me in
the right direction?
--

Craig D. Singer, Dept. of Computer Science, Duke University
Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
CSNET: cds@duke   UUCP: ...!decvax!duke!cds
ARPA: cds%duke@csnet-relay

From 1161843832744176406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 08:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxf
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxf!ldr335
From: ldr335@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Franklins and ProDos
Message-ID: <9900001@uiucuxf>
Date: Fri, 31-Jan-86 11:36:00 EST
Article-I.D.: uiucuxf.9900001
Posted: Fri Jan 31 11:36:00 1986
Date-Received: Fri, 7-Feb-86 06:09:47 EST
References: <46@<2b9faf7f>
Lines: 28
Nf-ID: #R:<2b9faf7f:46:uiucuxf:9900001:000:1871
Nf-From: uiucuxf.CSO.UIUC.EDU!ldr335   Jan 31 10:36:00 1986

    You ask a question that has been debated and discussed since ProDOS first
came into existance. One I have also spent much time working with since I
too have a Franklin (1200).
    To answer your first question, as is ProDOS will not work on a Franklin
(or any other Apple Compatable for that matter) due to some ROM checking that
takes place during the boot process. It is however possible to modify ProDOS
so that it will skip the checking and continue execution.
    The modification can be done one of two ways, either a modification to the
disk (using a sector editor) or to memory each and every time ProDOS is loaded.
I prefer the former, due to my having to do it but once. To make the modification,
get out your favorite sector editor (ZAP, Tricky Dick, etc..) and read track
1 sector 9 of your ProDOS master. (NOTE: This mod will not work with version
1.1.1 or greater(?)) Change bytes $5B and $5C (hexadecimal) to EA 's. Write the
sector back to disk and you will have a working version of ProDOS (NOTE2: You

must have an 80-column card in your franklin to run ProDOS)
    Just because you can now run ProDOS doen't mean that you can use AppleWorks. AppleWorks also does some funny checking in memory before it will load, and the changes are not as easy as the one for ProDOS. The only way to get AppleWorks to run on a non-//e (//c) is to purchase($59.95) Videx's AppleWorks preboot. This was orginally designed just so that Videx owner's could use AppleWorks, however it will also work with Franklin's 80-column card. (NOTE3: Use the control key instead of the open-apple.)(NOTE4: The desktop size is only about 10K)

    I hope that clears up your and anyone else's problems with ProDOS and AppleWorks. If you have any more questions leave another note.

Leonard Rosenthol
ldr335@uiucuxf

From 2742673797910164435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,92e85a3075c7e8b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 09:12:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Help DOS 3.3 end file
Message-ID: <2baa5b2d.7005@apollo.uucp>
Date: Fri, 31-Jan-86 12:12:45 EST
Article-I.D.: apollo.2baa5b2d.7005
Posted: Fri Jan 31 12:12:45 1986
Date-Received: Sat, 1-Feb-86 20:44:16 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 41

...
Well the mail came back address unknown, so...

Date: Fri, 31 Jan 86 11:48:30 est
From: Kee Hinckley <nazgul>
To: medin@.UUCP
Subject: Re: Help DOS 3.3 end file
Newsgroups: net.micro.apple
In-Reply-To: <183@noscvax.UUCP>
Organization: Apollo Computer Inc., Chelmsford MA
Cc:

DOS only keeps very rough track of the length of it's files, but counting the number of 256 character blocks. Thus it really doesn't know how long your file is, but will assume that it runs to nearest 256 byte boundry OR the next NULL byte. When you first write a file each block is nulled, so you don't have to worry about this. However, if you overwrite a file with a

shorter file there won't be a null byte at the end. So the
solution to all of this is to write a null byte as your last
character.

Note: There may be a bug in DOS that it won't free up extra
blocks if you overwrite with a smaller file. I seem to remember
reading this somewhere. This would mean that if you overwrote
a 4 block file with a 1 block file it would still think that the
other 3 blocks were allocated. This should be easy enough to
test.

                                        -kee
                                ...decvax!wanginst!apollo!nazgul

--
    Little Bo-Peep
    Has lost her sheep,
The radar has failed to find them.
    They'll all, face to face,
    Meet in parallel space,
Preceding their leaders behind them.

                        "A Space Child's Mother Goose"

From -7168244029820555816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 09:34:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eneevax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!amdcad!lll-crg!
gymble!umcp-cs!eneevax!hsu
From: hsu@eneevax.UUCP (Dave Hsu)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <500@eneevax.UUCP>
Date: Fri, 31-Jan-86 12:34:34 EST
Article-I.D.: eneevax.500
Posted: Fri Jan 31 12:34:34 1986
Date-Received: Sat, 1-Feb-86 20:53:20 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP>
Reply-To: hsu@eneevax.UUCP (Dave Hsu)
Organization: Imperial Widget Research Center, Kingdom of Maryland
Lines: 58
Xref: watmath net.wanted:8056 net.micro.apple:2503

In article <4269@mhuxd.UUCP> res1@mhuxd.UUCP writes:
>> Can someone recommend a 6502 Assembly book?
>

>I have two 6502 assembly language books. Here is a description of
>each.
>   PROGRAMMING THE APPLE II IN ASSEMBLY LANGUAGE
>   By Rodney Zaks
>   Published by Sybex, Inc.
>
>   This book is 456 pages plus appendices, and is beautifully done,
>is up-to-date (ProDos, etc.), and very thorough. It is not a "learn by
>doing" book. The author recommends buying "6502 Applications Book" as
>a followup to this book. It is written with the Merlin assembler used
>in some examples, but you do not have to be committed to Merlin to get
>the full value out of this book. Highly recommended.
>
>   USING 6502 ASSEMBLY LANGUAGE
>   By Randy Hyde
>   Datamost
>
>   This book is a pocket-sized paperback. $19.95 seems a lot for
>it, but it is often seen discounted at computer shows, flea markets. It
>is based on the Lisa assembler and is also well done, with a mix of
>theory and practical examples. If you were in a hurry you could
>probably get through this one much faster than the first one, although
>your education would not be top notch. (Sort of like a community
>college vs. Harvard)
>
>Rick

From my own attempts to learn 6502 many years ago, I find it amusing that a Rodnay Zaks (that's right, Rodnay) book could be highly recommended. The first editions of this book were a complete farce, to say the least. Zak's writing style didn't improve through any of the other books of his that I read, and come to think of it, Sybex in general produced a remarkable volume of garbage. It's been 5 or so years since I learned 6502, and about a year and a half since I stopped following computer books, so this may have changed.

Datamost's books, by contrast, are much more readable, although as Rick notes, they tend to skim the whole shebang instead of going into detail.

However, my own recommendations lean towards the original Howard Sams' books, 6502 Software Design by Scanlon, and Apple][Assembly, by someone whose name I can't remember. The Scanlon book is more specific to the AIM-65 than to anything else, but it teaches technique more than anything else, and I find the cycle-time charts in the back invaluable. The other book when last I looked contained references to the][+ era monitor, and doesn't cover the features of the //e. And of course, the Quality Software "Beneath Apple somethingorother" series is a must-read for DOS work.

enjoy,
-dave
--
David Hsu Communication & Signal Processing Lab, EE Department
<disclaimer> University of Maryland, College Park, MD 20742
hsu@eneevax.umd.edu {seismo,allegra}!umcp-cs!eneevax!hsu CF522@UMDD.BITNET

"Vern Vern Vern Vern Vern Vern Vern, you've done it now, buddy..."
-Ernest P. Worrell

From -426549933508991465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7e75bcefafb0874,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 10:04:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Help with //e 80 col card
Message-ID: <2baa893d.7005@apollo.uucp>
Date: Fri, 31-Jan-86 13:04:19 EST
Article-I.D.: apollo.2baa893d.7005
Posted: Fri Jan 31 13:04:19 1986
Date-Received: Sat, 1-Feb-86 20:44:37 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 23

The fastest and easiest way to character postion with
the 80 column card is to poke the position you want into
the write memory locations. If you use the COUT hooks
you have to make sure that the right code is interpreting
them and it's just a hassle. The memory locations you
want are described in most apple crib sheets, however
you don't want to use the X location they recommend.
The 80-column manual has an addendum that mentions that
there is a bug using that location and you should actually
poke it to 1403 (decimal).

Kee Hinckley
..decvax!wanginst!apollo!nazgul

--
    Little Bo-Peep
    Has lost her sheep,
The radar has failed to find them.
    They'll all, face to face,
    Meet in parallel space,
Preceding their leaders behind them.

"A Space Child's Mother Goose"

From 8166640803462015357
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-31 16:54:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.wanted,net.micro.apple
Subject: 6502 assemblers
Message-ID: <2419@reed.UUCP>
Date: Fri, 31-Jan-86 19:54:20 EST
Article-I.D.: reed.2419
Posted: Fri Jan 31 19:54:20 1986
Date-Received: Sun, 2-Feb-86 01:15:11 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 40
Xref: watmath net.wanted:8061 net.micro.apple:2505
Summary:

In article <4269@mhuxd.UUCP> res1@mhuxd.UUCP (STEALEY) writes:

>   I would appreciate expansion of this discussion to include
>recommendations on various assemblers. In particular, does anyone
>know if "The ProDos Assembler" is produced by Apple? It is recommended
>several times in the first book mentioned above.
>
>Rick
>{ihnp4!mhuxd!res1}

     About assemblers, I particularly like Merlin, and look forward to it's full screen editor. I can use text files and edit with AppleWriter, but it can get awkward trying to edit, assemble, edit, assemble, etc.

     I have heard good things about Lisa, but also that it is getting out of date. I don't really know what out of date means, but I do think that an assembler should keep up with the latest software innovations.

     Another assembler that I have heard rave reviews about is the Orca/m or somesuch. I understand that this not only supports the 65C02 (as does Merlin and the ProDOS assemblers), but that it will support the Rockwell chip with it's bit manipulation opcodes and even the 65C816.

     The ProDOS assembler is published by Apple, though I don't know who wrote it. It is said to be a major reworking of Apple's original EDASM, with many bug fixes, good documentation, and a plethora of new features.

     I believe all of these assemblers are available in both DOS and ProDOS versions.

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -4546160164285980847
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-01 10:50:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!gargoyle!sphinx!god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple
Subject: Re: Franklins and ProDos
Message-ID: <1573@sphinx.UChicago.UUCP>
Date: Sat, 1-Feb-86 13:50:21 EST
Article-I.D.: sphinx.1573
Posted: Sat Feb 1 13:50:21 1986
Date-Received: Sun, 2-Feb-86 01:19:14 EST
References: <2b9faf7f.46b9@apollo.uucp>, <2407@reed.UUCP>
Organization: U. Chicago - Computation Center
Lines: 25

The problem with most programs written under Pro-Dos (and with Pro-Dos
itself) is that they check for an Apple. - in other words if you dont
use an apple on the program it might not work.

Getting Pro-dos booted in no big deal BUT using Appleworks is
impossible as far as I know. So if Appleworks is the program
you wish to use, even if you get prodos booted, you will still see
that it is impossible to run many applications.

I had a Franklin at one time but now I use an enhanced Apple //e.

I had, at one time, the locations in memory that needed adjustment
to have a Franklin run under Pro-dos but I must have dumped them.
The process simply involves changing the check that Pro-Dos does
for seeing if the host computer is an Apple to NOP's (EA's)
Look for a JSR to $FB60, or any reference to that memory location
or the locations which this location refers to.

This deals with calling the routine to print the words "Apple //e"
or in Franklins case "Franklin Ace 1000 v2.2" on the top of the
screen (as in when the computer is turned on.

If I do come up with something specifically I'll post it here.

--Pete Godwin

From 977525580524394256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-01 11:38:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu.UUCP
Newsgroups: net.micro.apple
Subject: Building a //e compatible
Message-ID: <293@ius2.cs.cmu.edu>
Date: Sat, 1-Feb-86 14:38:42 EST
Article-I.D.: ius2.293
Posted: Sat Feb 1 14:38:42 1986
Date-Received: Wed, 5-Feb-86 01:47:07 EST
References: <2b9faf7f.46b9@apollo.uucp>
Organization: Carnegie-Mellon University, CS/RI
Lines: 34

I'm looking for some newer Apple // technology, but funds are very tight.
I don't have the 700+ I need to pay Apple for a //e CPU, but I would be
wiling to spend ~$300 for a clone. (I know about the Laser and Franklin
compatibles, but I'm not happy with the Laser's non-expandability or
Franklin's 'bundling' (CP/M plus drive all self-contained) approach.)

I'm considering buying a //e-compatible motherboard and putting it in a case
with a power supply (I have an extra after replacing my Apple][+ supply)
and a //e-compatible (but hopefully detachable) keyboard. (Of course, the
keyboard should have the same layout and special 'Apple' keys.)

Has anyone on the net tried this? I would be interested in hearing of
suppliers for kits and/or assembled motherboards.

My requirements are that the clone run be able to accept third-party cards
(including auxiliary slot cards like RamWorks and MultiRam) and be able to
provide double hires graphics. I'd love a 65816-based motherboard if it were
available.

I'd also be interested in any compatibility problems, etc. (I encountered
one Canadian company that would sell a motherboard for $170, but the ROMS
were not the latest '//c' versions) Any clone motherboard should have or
be capable of handling the 'real' custom //e chips and //c ROMS.

I'm fairly desparate at this point, so any replies would be greatly
appreciated. I don't think too many people have done this, so please
respond even if you think somebody else already has.

--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From -1512440783213804009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d608c4107932792,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-01 16:12:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!pesnta!
hplabs!hao!seismo!lll-crg!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Help with DOS 3.3 write end of file
Message-ID: <225@ski.UUCP>
Date: Sat, 1-Feb-86 19:12:57 EST
Article-I.D.: ski.225
Posted: Sat Feb 1 19:12:57 1986
Date-Received: Wed, 5-Feb-86 01:44:54 EST
References: <189@noscvax.UUCP> > > Help! since my
Lines: 46

2 Feb 86 00:12:57 GMT
Distribution: usa
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 41

> Ted
> milnet address "medin@nosc-shark"

Although you didn't specify, I assume you are dealing with a
SEQUENTIAL text file.

If you look in the Apple DOS Programmer's Manual, page 66, the answer
is right there.

"This section gives you a new use for OPEN. Suppose your program
routinely replaces an old text file with a new one with the same name.
When the new one is shorter than the old one, the new one will have
part of the old file hanging on the the end unless the program first
deletes the old one. If you don't want this extra text at the end of
the file, delete the old file before writing to the new one. The next
program shows you how to delete a file and open it for new data,
whether or not the file already exists."

```
.................................
40  PRINT D$;"OPEN ";FILE$
50  PRINT D$;"DELETE ";FILE$
60  PRINT D$;"OPEN ";FILE$
```

WRITE

```
     160 PRINT D$;"CLOSE ";FILE$

I believe the EOF marker is a 00, (see Beneath Apple DOS) which I THINK
is placed there by the CLOSEing of a file.
I don't know why overwriting a sequential text
file and ending it in a 00 won't stop the extra text from getting in
the way.  In any case, most users follow the OPEN, DELETE, OPEN
business to keep things straight.
--
======================================================================
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!


From -4389804406987231554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-02-01 16:33:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!seismo!lll-crg!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <226@ski.UUCP>
Date: Sat, 1-Feb-86 19:33:12 EST
Article-I.D.: ski.226
Posted: Sat Feb  1 19:33:12 1986
Date-Received: Tue, 4-Feb-86 03:29:14 EST
References: <1066@utcs.uucp>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 68
Xref: watmath net.wanted:8066 net.micro.apple:2507

> Can someone recommend a 6502 Assembly book?
> I would like to get a good reference book before
> fiddling with assembly code.
>
> thanks,
> P. Kern
>    ..!{ihnp4,cbosgd}!utcs!pkern

When I started learning (teaching myself) assembly language last year,
I was mystified, because I brought the highly recommended ASSEMBLY
```

LINES: THE BOOK, by Roger Wagner. This book teaches in sections which are swallowable. I understood the op-codes, and the examples, but I still didn't know how to start and write a useful program for myself. I was looking for a book the shows HOW to do it.

I bought about 7 books, which seems useful when I broused through them at the bookstore. The ones I thing ARE useful are:

ASSEMBLY LINES: The Book
by Roger Wagner

Programming the Apple][in Assembly Language
by Rodney Zaks
(I agree with the posting about the mediocre writing style, but there were still some useful things in this book.)

6502 Software Design
by Leo Scanlon (Howard Sams & Co.)

6502 Assembly Language Subroutines
by Lance Leventhal
(A compendium of routines for arithmetic, arrays, I/O, interrupts, etc. Useful once the basics are learned.)

Assembly Cookbook for the Apple][|//e
by Don Lancaster (Howard Sams & Co.)
(I don't like the repetitive, jargony style Lancaster uses in this book. I found myself very annoyed trying to get through it and pick out the relevant facts. However, if you can put up with it, he shows a nice, organized way to set-up a top-down, structured programming style. It does NOT teach the op-codes and their uses.)

I have ordered another book that I have heard is very useful. This is called:

Now That You Know Assembly Language, What Can You Do With It
by Jules Gilder.
(It was reviewed recently in Apple Assembly Line, which is written by Bob Sander-Cederlof.)

P.S.: For the slightly-higher-than-rank-beginner, and up, programmers, I would highly recommend Apple Assembly Line. This monthly newsletter is intended for support of the S-C Assembler, but is available to anyone from S-C Software Corporation, P.O. Box 280300, Dallas, Texas, 75228, for $18/year in the US, higher elsewhere.
--
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences

2232 Webster St; San Francisco CA 94115
415/561-1705
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -2739679619105188293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-02 19:01:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site meccts.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!mmm!dicomed!
meccts!rms
From: rms@meccts.UUCP (Roger M. Shimada)
Newsgroups: net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <296@meccts.UUCP>
Date: Sun, 2-Feb-86 22:01:11 EST
Article-I.D.: meccts.296
Posted: Sun Feb 2 22:01:11 1986
Date-Received: Wed, 5-Feb-86 00:48:51 EST
References: <1066@utcs.uucp> <2390@reed.UUCP>
Reply-To: rms@meccts.UUCP (Roger M. Shimada)
Distribution: net
Organization: MECC Technical Services, St.Paul, MN
Lines: 15
Summary:

In article <2390@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
>an old //e, //c,][, or][+ ...
>... From everything else, get into integer basic (By
>loading it from the DOS Master Diskette or having it in ROM) and go into
>the monitor. then type F666G, and there you are.

A small correction. The mini-assembler from Integer BASIC won't
work in the old //c. If someone out there really wants to know
how to make it work, write to me.

My experience is that the good old Apple][reference manual is a good
way to start assembly language (Apple product number A2L0001A or
030-0004-01, out of print I'm sure). It documents stuff in the
Monitor ROM and has a commented listing of said ROM. Above all, it
has a sense of humour, if you look for it.

From 6169149584730052167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-02 22:06:14 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!gargoyle!sphinx!god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple
Subject: Re: There"s no net.sources.//e
Message-ID: <1579@sphinx.UChicago.UUCP>
Date: Mon, 3-Feb-86 01:06:14 EST
Article-I.D.: sphinx.1579
Posted: Mon Feb 3 01:06:14 1986
Date-Received: Wed, 5-Feb-86 07:10:26 EST
References: <6859@duke.UUCP>
Organization: U. Chicago - Computation Center
Lines: 10

I'd like to know why too. I think the Mac is getting too much attention
these days - sure its a fine machine but Apple // owners are getting
the raw end of the deal. I have been devoted to my Apple // for 6 years
now and keep up to date constantly - its getting more difficult to find
user groups and sources of info on the // as compared to the Mac.

If anyone knows a way to remedy this (having a new system sub-board created)
do it!

Peter Godwin, University of Chicago

From -3384491453074763748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-02-03 00:44:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site hoptoad.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!amdcad!lll-crg!
hoptoad!gnu
From: gnu@hoptoad.uucp (John Gilmore)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: what good is Sybex?
Message-ID: <478@hoptoad.uucp>
Date: Mon, 3-Feb-86 03:44:46 EST
Article-I.D.: hoptoad.478
Posted: Mon Feb 3 03:44:46 1986
Date-Received: Wed, 5-Feb-86 01:03:06 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP> <500@eneevax.UUCP>
Organization: Nebula Consultants in San Francisco
Lines: 18
Xref: watmath net.wanted:8069 net.micro.apple:2509
Summary: Don't buy Sybex or Rodnay Zaks books...

In article <500@eneevax.UUCP>, hsu@eneevax.UUCP (Dave Hsu) writes:

> From my own attempts to learn 6502 many years ago, I find it amusing that a
> Rodnay Zaks (that's right, Rodnay) book could be highly recommended. The
> first editions of this book were a complete farce, to say the least. Zak's
> writing style didn't improve through any of the other books of his that I
> read, and come to think of it, Sybex in general produced a remarkable volume
> of garbage. It's been 5 or so years since I learned 6502, and about a year and
> a half since I stopped following computer books, so this may have changed.

I doubt it's changed. I know some people who used to write for Zaks
and I heard he screwed them over several ways -- putting his name on
the books, not paying them, etc. I'm surprised Sybex has lasted this
long. *You too* can contribute to its demise and make the world a better
place, by a simple act of non-commerce.
--
I resisted cluttering my mail with signatures for years, but the mail relay
situation has gotten to where people can't reach me without it. Dammit!
John Gilmore {sun,ptsfa,lll-crg,nsc}!hoptoad!gnu   jgilmore@lll-crg.arpa

From 3809501361763707682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,eba5008b00897a9a,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,eba5008b00897a9a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,eba5008b00897a9a,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-02-03 10:11:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Version 1.0 Netnews CMS/BITNET 5/19/85; site PSUVM.BITNET
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!whv
From: WHV@PSUVM.BITNET
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Re: VT100 emulation for Apple II c/e
Message-ID: <4314WHV@PSUVM>
Date: Mon, 3-Feb-86 13:11:09 EST
Article-I.D.: PSUVM.4314WHV
Posted: Mon Feb 3 13:11:09 1986
Date-Received: Wed, 5-Feb-86 01:27:54 EST
References: 1117@ptsfa.UUCP
Lines: 3
Xref: watmath net.micro.apple:2510 net.wanted:8070 net.wanted.sources:1836

APPLE ACCESS II reportedly works in VT100 mode. I haven't actually used it,
but one of our users has reported that it worked successfully for him.

From 1152985591869157141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-03 15:59:15 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: There's no net.sources.//e
Message-ID: <2443@reed.UUCP>
Date: Mon, 3-Feb-86 18:59:15 EST
Article-I.D.: reed.2443
Posted: Mon Feb 3 18:59:15 1986
Date-Received: Wed, 5-Feb-86 01:49:00 EST
References: <6859@duke.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 30

In article <6859@duke.UUCP> cds@duke.UUCP (Craig D. Singer) writes:
>I was just noticing that there is this wonderful newsgroup called
>net.sources.mac where folks post sources and binaries for all kinds of
>public domain Macintosh software. Why isn't there such a thing for the
>Apple //+ - //e - //c owners? And since there isn't one, how do we go about
>obtaining such software? I`m told by *reliable* people that jillions of
>public domain programs exist for Apple //'s. Anybody want to point me in
>the right direction?
>--
>
>
>Craig D. Singer, Dept. of Computer Science, Duke University
>Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
>CSNET: cds@duke   UUCP: ...!decvax!duke!cds
>ARPA: cds%duke@csnet-relay

     Yeah! How about it? Is anyone interested in putting together say
a moderated groop like mod.sources.//e or something that would have
good, reliable public domain software? It would be nice to have access
to all those good little bug fixes and PD shorties, etc. Anyone up to
it? or will this fade away like all the others...

kamath
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -8347567718408870709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-03 18:22:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!cmcl2!philabs!ttidca!ttidcc!paulb
From: paulb@ttidcc.UUCP
Newsgroups: net.wanted,net.micro.apple
Subject: Re: wanted: 6502 assembly book recommendations
Message-ID: <129@ttidcc.UUCP>
Date: Mon, 3-Feb-86 21:22:44 EST
Article-I.D.: ttidcc.129
Posted: Mon Feb 3 21:22:44 1986
Date-Received: Thu, 6-Feb-86 20:48:30 EST
References: <1066@utcs.uucp>
Reply-To: paulb@ttidcc.UUCP (Paul Blumstein)
Distribution: net
Organization: Transaction Technology, Inc. (CitiCorp), Santa Monica
Lines: 43
Xref: watmath net.wanted:8082 net.micro.apple:2516

In article <1066@utcs.uucp> pkern@utcs.uucp (pkern) writes:
>Can someone recommend a 6502 Assembly book?
>I would like to get a good reference book before
>fiddling with assembly code.

The first obvious question is whether you want to learn it for 6502
chips in general or for a specific machine, like the Apple. The are
general & machine specific books. If you have a machine in mind, do
not buy a general book as the specific book will point out call, sub-
routines, tricks & memory allocation that will be invaluable.

If you are interested in the Apple, I have two recommendations; both
with caveats (!= Dick Cavat (sp?)).

1) "Machine Level Programming on the Apple II/IIe" by Graham Keeler.
Prentice Hall Interntional, 209pp, 1984. PRICE ??. (I believe $30-40).
A not-too-bad introductory book with exercises. Uses the Apple
mini-assembler which comes on the disk in case you don't have it.
Not a good assembler, but you can learn without being assembler specific.
Diskette also has the Apple step & trace & examples from book.
Not great, but cost effective & not drawn out.

2) "Apple Assembly Language" by W. Douglas Maurer. Computer Science Press,
403 pp, 1984. Much better, but more drawn out than above. It will take
more time than #1, but will more likely get through to you if you are
not a quick study. Disadvantage: All examples are for the Lisa Assembler
by Lazerware. The book is about $25-30. If you want the companion
diskette, it is an additional $17 & requires the assembler which they
sell for $79.95. If you have the assmbler; decide that this is the assembler
that you want; or are independently wealthy & have time, this is the
book for you. Otherwise, go w/#1 or some other recommendation.

Remember, though, decide if you want machine specific or general.

QUOTE: "Don't sweat assembly language; everything will eventually register".
ME
--
-_-_-_

--

Matthew Goldman
Computer Science Department
University of Minnesota
...ihnp4!umn-cs!goldman
...stolaf!umn-cs!goldman

Home is where you take your hat off... Banzai!

Kyllara : What did you just do?
Moederan : I don't know but it's going to be fun...

From 338567910692832529
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a668cbb27bac0392,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-04 17:55:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-aussie!
dimond
From: dimond@aussie.DEC (Phil Dimond, ms:SNA/CSS Engineering,Sydney,Aust.)
Newsgroups: net.micro.apple
Subject: Mods to use 40 track drives under Apple CPM.
Message-ID: <917@decwrl.DEC.COM>
Date: Tue, 4-Feb-86 20:55:33 EST
Article-I.D.: decwrl.917
Posted: Tue Feb 4 20:55:33 1986
Date-Received: Fri, 7-Feb-86 20:14:16 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 102

Hi:
     From the responses I have gratefully received from the net, I have
the essential data for modifying Apple CP/M to drive 40 tracks on Apple
drives. I will summarise here. If anyone desires further information, please
do not hesitate to contact me by mail.

     Firstly, it is very important to use late model drives. Apple has
advised me that any drives sold since the IIe was released should be capable
of 40 track operation. Any Far-East Apple compatible drives should also
be fine. The problem with old drives is that they cannot step to 40 tracks.
     This procedure is somewhat of a Kludge, but it worked, and the small
amount of work involved is well worth the extra 20k of disk storage that
is gained. Several steps must be followed, these being:

     1. Boot and modify Apple DOS 3.3
     2. INIT all required disks to format them for forty tracks.
     3. Boot CP/M and copy the system tracks to the disks.

4. Put the BIOS modifying program on the disk and set it up for autobooting.

1. Under DOS 3.3, only one location needs to be changed to allow the INIT command to format 40 tracks. To format your disks, boot DOS 3.3. Now type PRINT (PEEK(48894)). The result should be 35. Now type POKE 48894,40 to set INIT up for 40 track formatting.

2. Now put a blank disk in the drive and format it with INIT HELLO. Listen carefully, and you should hear the stepper motor move the head over 40 tracks. Repeat this operation for all the disks you want formatted.

3. Boot the CP/M operating system, and create a system disk with no data on it. Set it up to autoboot a program, say "BIOSMOD", and then use the Apple copy command COPY A:=A:, using the blank system disk as the source and your formatted disks as destinations. Repeat this operation for all the disks you have formatted.

4. Assemble the following program, and copy the executable version to each of the disks as the autobooting program. When the disks are booted they will set drive a: to 40 track operation, and you will have 145k bytes of storage space, instead of 126k. Much better!

==========

The only modification to CP/M that is required is to alter the drive characteristics contained in the BDOS. These characteristics are held in the Disk Parameter Block, whose initial address can be found by BDOS function 31, which, if executed, returns the DPB address in the HL registers.In my 60K Softcard II CP/M the address is FA73 hex for drive A: .

Offset five bytes from this are two bytes called the DSM parameter. These bytes, stored with the low order byte first, give the block number of the highest block on the disk. In the case of Apple CP/M, there are four blocks per track, thus for a 35 track drive the highest block number will be 139 (as the blocks are numbered from zero). We actually have 40 tracks, so we wish to store 9F hex in this parameter.

The easy way to do this is to execute the following program. It will find the DPB for the current default drive, and automatically alter it's value. The easy way to ensure the disk change is to autorun this program on disk boot.

```
;Modify the DPB to set the current default drive to 40 tracks.
;Written in 8080 assembler for the DR assm assembler.
;
     ORG  0100H    ;Start of Transient Program Area.
;
START:    MVI  C,01FH   ;Prepare to call BDOS function 31.
     CALL 5    ;Execute the function.
     LXI  D,05H    ;Load the parameter offset.
     DAD  D    ;Add the offset to the DPB address.
     MVI  B,09FH   ;Load the new parameter value.
     MOV  M,B  ;Update the DPB.
```

```
     RET      ;Return to CP/M.
;

================================================================================
```

     If you have more than one drive, modify the program to repeat itself via offsets to modify the DPBs for each drive.

     Please note that I am currently working on some better bits to cover the kludge. These will include a good sector editor, formatter and copy program ,in that order. I also have here a SYSGEN program that will allow you to modify the system tracks, thus avoiding the autobooting program step. If you want to be on a distribution list for these sources, or get a copy of the SYSGEN, or offer any comments, please send mail to me.
     This information was compiled with the help of some reference texts and several net persons (they know who they are - let me thank them). A good reference text is:

          "Mastering CP/M", by Alan R Miller, pub: SYBEX Inc, 1983

                              Phil Dimond,

          ...decvax!decwrl!dec-rhea!dec-aussie!dimond

"When all else fails take the engineering approach: Hit it with a hammer."


```
From 5612223629305584203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-04 21:23:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site ti-csl
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!convex!ti-csl!buehring
From: buehring@ti-csl
Newsgroups: net.micro.apple
Subject: Re: There's no net.sources.//e
Message-ID: <9400005@ti-csl>
Date: Wed, 5-Feb-86 00:23:00 EST
Article-I.D.: ti-csl.9400005
Posted: Wed Feb  5 00:23:00 1986
Date-Received: Fri, 7-Feb-86 20:59:07 EST
References: <6859@duke.UUCP>
Lines: 24
Nf-ID: #R:duke.UUCP:6859:ti-csl:9400005:000:1117
Nf-From: ti-csl!buehring    Feb  4 23:23:00 1986
```

/* Written 9:58 am Jan 31, 1986 by cds@duke.UUCP in ti-csl:net.micro.apple */
/* ---------- "There's no net.sources.//e" ---------- */
I was just noticing that there is this wonderful newsgroup called
net.sources.mac where folks post sources and binaries for all kinds of
public domain Macintosh software. Why isn't there such a thing for the
Apple //+ - //e - //c owners? And since there isn't one, how do we go about
obtaining such software? I`m told by *reliable* people that jillions of
public domain programs exist for Apple //'s. Anybody want to point me in
the right direction?
/* End of text from ti-csl:net.micro.apple */

Rather than start some debate about the creation of newsgroups, if
there are PD programs out there to post, by God POST THEM! Try
net.sources, net.micro.apple, whatever. The comm channels are in
place... we're waiting. And if this anticipated deluge is more than
other groups can swallow, then the creation of a special newgroup will
take care of itself.

Ready and waiting,
/Walt/

ARPA: Buehring%TI-CSL@CSNet-Relay
UUCP: {smu, texsun, ut-sally, rice} ! ti-csl ! buehring

From -4230184817238236862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6372023af161713,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 01:38:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!seismo!mcvax!unido!fauern!roderus
From: roderus@fauern.UUCP
Newsgroups: net.micro.apple
Subject: CP/M-Warmboot from RAM-Disk
Message-ID: <23900001@fauern.UUCP>
Date: Wed, 5-Feb-86 04:38:00 EST
Article-I.D.: fauern.23900001
Posted: Wed Feb 5 04:38:00 1986
Date-Received: Fri, 7-Feb-86 22:04:19 EST
Sender: notes@unido.UUCP
Lines: 22
Nf-ID: #N:fauern:23900001:000:750
Nf-From: fauern!roderus   Feb 5 09:38:00 1986

I have an Apple][+, Softcard CP/M 2.2 and also a 256k-RAM-Disk.

A warmboot (initiated after Ctrl-C or a JMP WBOOT by an user
program) always reads the CCP from Floppy-Drive A:.
Does there anybody know a way to do a warmboot from the much
faster RAM-Disk ?

(Note: There is no possibility to keep the system tracks on
the RAM-Disk as they are on a system floppy).

I think, one way is to save the CCP in a regular Disk-File on
RAM-Disk and to patch the WBOOT procedure.
How can I find start and end address of the CCP in my memory,
and where does it stay on my system floppy?

Thanks for every answer.

Helmut Roderus, LS Informatik 2
Friedr.-Alexander-Universitaet Erlangen-Nuernberg
West-Germany
... !mcvax!unido!fauern!roderus (UUCP)

From -6660377344917871703
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6007134bce43a756,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 09:27:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!drutx!mtuxo!houxm!whuxl!whuxlm!akgua!
gatech!seismo!umcp-cs!aplcen!jhunix!ins_aeas
From: ins_aeas@jhunix.UUCP
Newsgroups: net.micro.apple
Subject: Has anyone heard of the //x?
Message-ID: <1761@jhunix.UUCP>
Date: Wed, 5-Feb-86 12:27:48 EST
Article-I.D.: jhunix.1761
Posted: Wed Feb 5 12:27:48 1986
Date-Received: Fri, 7-Feb-86 21:38:00 EST
Distribution: net
Organization: The Johns Hopkins University
Lines: 18

In early January, rumors abounded that in the January stockholders'
meeting Apple was going to present the //x (Apple II series machine
based on 65816 processor). Since the magazines won't get around to
mentioning it for three months or so (normal lead time), has anybody
heard whether Apple displayed the //x, or not? And if anybody on
the net has seen it, can he/she post a description?

--

Earle A. Sugar
Disclaimer:"I doubt anyone else here agrees with me."
USENET: ...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_aeas
CSNET:ins_aeas@jhunix.csnet
ARPA:ins_aeas%jhunix.csnet@csnet-relay.arpa
BITNET: INS_BEAS@JHUVMS (as a last resort)
"If you don't expect anything, you'll never be dissappointed."

or call 301-889-0815 after 6 P.M. EST

From -696090482821329858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,6122592e0745baa9,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,6122592e0745baa9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 09:38:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sask.UUCP
Path: utzoo!utcsri!ubc-vision!alberta!sask!long
From: long@sask.UUCP (Warren Long)
Newsgroups: net.micro.atari,net.micro.apple
Subject: TRAK disk drives and SLAVE drives
Message-ID: <329@sask.UUCP>
Date: Wed, 5-Feb-86 12:38:42 EST
Article-I.D.: sask.329
Posted: Wed Feb 5 12:38:42 1986
Date-Received: Wed, 5-Feb-86 16:23:21 EST
Distribution: net
Organization: University of Saskatchewan, CANADA
Lines: 23

I have a TRAK AT-D4 disk drive. This is the double density,
double-sided drive that pretends it is two drives, using the
second side written backwards. TRAK includes a slave port
on the back to control other drives. I would like to know
what drives will it control, and what protocols are available
on the pins/edge-connector.

Part 2: I also have an old(?) drive out of an APPLE LISA.
These are better known as APPLE's boondoggle. This is APPLE's
own wierd design for double sided disks, with 4 R/W slots on
the disk (the two heads clamp onto the disk 180 degrees apart
from opposite sides, with each head having a felt pad opposite
it). I think these would be fun to play with. Has anybody done
anything with these before???

Thanks, I eagerly await any info....

Warren Long
University of Saskatchewan
Canada

From 3624600097984876717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 10:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxf
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxf!spk328
From: spk328@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: There's no net.sources.//e
Message-ID: <9900003@uiucuxf>
Date: Wed, 5-Feb-86 13:30:00 EST
Article-I.D.: uiucuxf.9900003
Posted: Wed Feb 5 13:30:00 1986
Date-Received: Sun, 9-Feb-86 05:39:52 EST
References: <6859@duke.UUCP>
Lines: 20
Nf-ID: #R:duke.UUCP:6859:uiucuxf:9900003:000:747
Nf-From: uiucuxf.CSO.UIUC.EDU!spk328   Feb 5 12:30:00 1986

Tell me about it! There isn't that much Apple PD software, possibly because Apple users don't much support the "Shareware/Freeware" concept too well, but there is some. Apple Tree Computer Club has over 150 PD disks, as do a lot of big clubs. A net.sources.//e would be fantastic!

I run a UBBS in the Champaign, Illinois area, and have about 30 downloads available for my users. It should be easy to send most of them to the net.sources for Apple users...

Benjy Mouse
University of Illinois

UUCP: spk328@uiucuxf.UUCP
{convex, ihnp4, pur-ee, seismo}!uiucdcs!uiucuxa!uiucuxf!spk328
{pyramid, pyrnj}!pyrchi!/
sequent!/
ARPA: spk328@uiucuxf.CSO.UIUC.EDU
FIDO: LawBoard, Champaign, IL, Net 11 Node 102 (Benjy Mouse)

From -8686883719014561121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,fc7722cd7cc9d6f9,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,fc7722cd7cc9d6f9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 16:00:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!seismo!brl-smoke!gwyn
From: gwyn@brl-smoke.ARPA (Doug Gwyn)
Newsgroups: net.micro,net.micro.apple
Subject: Re: C for Apple][series
Message-ID: <686@brl-smoke.ARPA>

Date: Wed, 5-Feb-86 19:00:40 EST
Article-I.D.: brl-smok.686
Posted: Wed Feb 5 19:00:40 1986
Date-Received: Sun, 9-Feb-86 04:49:53 EST
References: <142@ucdavis.UUCP>
Reply-To: gwyn@brl.ARPA
Distribution: net
Organization: Ballistic Research Lab
Lines: 21
Xref: watmath net.micro:13719 net.micro.apple:2526

I recommend Aztec C65 from Manx Software Systems,
somewhere in New Jersey (I have several different addresses
for them). Their ads appear in several home computer
journals; try especially the IBM PC and Macintosh mags.
Their latest Apple II release (V1.05C) runs under DOS 3.3;
they have a ProDOS version currently undergoing testing
(it promises to be a really nice environment, especially
for users with disks larger than Disk IIs). Aztec C65
implements practically all of K&R (including floating-point)
under any combination of native 6502 code (for speed) and
interpreter (for small size); the ProDOS version will have
void data types, (void *) generic pointers, struct assignment,
etc. A UNIX-like subset shell, graphics library, and utilities
(including a visual editor) are included. The ProDOS package
is advertised as supporting cross-development of programs to
run under DOS 3.3, which seems perfectly feasible to me, but
that part appears not to be ready for testing yet. You can
supposedly also purchase cross-development Aztec C to run on
systems such as UNIX, producing Apple II downloadable code.

Disclaimer: My only connection with Manx is as a happy user.

From -5209615304073478585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d608c4107932792
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 16:36:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Help with DOS 3.3 write end of file
Message-ID: <2455@reed.UUCP>
Date: Wed, 5-Feb-86 19:36:16 EST
Article-I.D.: reed.2455
Posted: Wed Feb 5 19:36:16 1986
Date-Received: Fri, 7-Feb-86 20:44:21 EST
References: <189@noscvax.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)

Organization: Reed College, Portland, Oregon
Lines: 27

Here's an interesting tidbit. If anyone has dossource (Complete
disassembly of dos 3.3) or is in the mood, take a look at where dos
tries to read or write a file. I forget exactly where it is, but notice
that it checks to see if the file is open. If it isn't then it opens
it. Therefore, there is no real need to open a file before reading or
writing it. try it sometime. Also, you may have noticed that
Applewriter won't create a new file if you try to read one that isn't
there. But when you try to open one that doesn't exist from your own
programs, you're left with a one sectore file by that name. How does
Applewriter do it? Take a look at Beneath Apple Dos. You'll notice
that there is a marker in dos that tells it if a command can creat a new
file. They are "open" "save" etc. Ones that cannot are "load" "delete"
etc. In the case of open, if you stick a hex 22 in the right spot, no
nasty on sector files. On the other hand, if you try to open a new file
to write to, you must replace that 22 with a 23. If anyone's going
crazy because they can't live with out the exact location(s), write me.

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -7710329713302555270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-05 16:42:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Franklins and ProDos
Message-ID: <2456@reed.UUCP>
Date: Wed, 5-Feb-86 19:42:00 EST
Article-I.D.: reed.2456
Posted: Wed Feb 5 19:42:00 1986
Date-Received: Fri, 7-Feb-86 20:44:33 EST
References: <2b9faf7f.46b9@apollo.uucp> <2407@reed.UUCP>
<1573@sphinx.UChicago.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon

Lines: 25

In article <1573@sphinx.UChicago.UUCP> god3@sphinx.UChicago.UUCP (Peter Godwin) writes:
>Getting Pro-dos booted in no big deal BUT using Appleworks is
>impossible as far as I know. So if Appleworks is the program
>you wish to use, even if you get prodos booted, you will still see
>that it is impossible to run many applications.
>
>--Pete Godwin

     I read recently of a modifying program to AppleWorks that let's it run on a Franklin. It was also the one used for conversion to a][+. I forget exactly where I saw it. I'll try to find it if anyone's overwhelmingly interested. Or even midly.

     Granted, Lancaster's style can get somewhat obtrusive, I kinda like it. It makes a bunch of boring numbers occasionally interesting. I also agree with much of what he says.

     Sean Kamath
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -1865375041009017676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 07:55:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!cmcl2!lanl!unm-la!unmvax!nmtvax!kenyon
From: kenyon@nmtvax.UUCP
Newsgroups: net.wanted,net.micro.apple
Subject: Re: 6502 assemblers
Message-ID: <926@nmtvax.UUCP>
Date: Thu, 6-Feb-86 10:55:56 EST
Article-I.D.: nmtvax.926
Posted: Thu Feb 6 10:55:56 1986
Date-Received: Tue, 11-Feb-86 02:57:35 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP>
Reply-To: kenyon@nmtvax.UUCP (Robert Kenyon)
Organization: New Mexico Tech, Socorro
Lines: 24
Xref: watmath net.wanted:8123 net.micro.apple:2536

>   About assemblers, I particularly like Merlin, and look forward to
>it's full screen editor. I can use text files and edit with

I own a copy of merlin (an older version). I have never found a full
screen editor. Maybe it's just too old.

Merlin has about the best editor around (even the old version). It uses
the space bar to do tabbing and puts the cursor right in the field you
want. Nice and handy. It is also two orders of magnitude faster than
EDASM from apple. It also includes good macro facilities.

Another good assembler is the S-C Macro Assembler. This is probably the
best assembler around from a standpoint of amount of use, amount of
support, and ease of use. It comes in two flavors, 3.3 and ProDOS. It
assembles quickly and can assemble 6502, 65c02, 65c802, 65c816 right out
of the box. Cross assemblers are availible for many processors. S-C
even has a newsletter that owners may subscribe to that has information
about things that users have been doing. Also available is a full
screen editor that patches into S-C.

Good luck...

Robert Kenyon
...unmvax!nmtvax!kenyon

From -8949727090496023345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,eba5008b00897a9a
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 15f443,eba5008b00897a9a
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,eba5008b00897a9a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 08:07:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site vu-vlsi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!vu-vlsi!williams
From: williams@vu-vlsi.UUCP (Thomas Williams)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Re: VT100 emulation for Apple II c/e
Message-ID: <228@vu-vlsi.UUCP>
Date: Thu, 6-Feb-86 11:07:46 EST
Article-I.D.: vu-vlsi.228
Posted: Thu Feb 6 11:07:46 1986
Date-Received: Sun, 9-Feb-86 07:28:53 EST
References: 1117@ptsfa.UUCP <4314WHV@PSUVM>
Organization: Villanova Univ. EE Dept.
Lines: 12
Xref: watmath net.micro.apple:2530 net.wanted:8115 net.wanted.sources:1859
Summary: vt100 emulation???

In article <4314WHV@PSUVM>, WHV@PSUVM.BITNET writes:
> APPLE ACCESS II reportedly works in VT100 mode. I haven't actually used it,
> but one of our users has reported that it worked successfully for him.
>

        I have a IIc and Apple Access and if your planning on needing
scrolling regions I would NOT use Apple Access. It does good vt52 emulation
(Yuch!) and if you want to modify your vt100 termcap I'm sure you can work
something out.
                                        -taw

        {pyrnj, psuvax1}!vu-vlsi!williams

From 402834574985092618
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76704ccada2bb4d9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 08:09:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!mmm!umn-cs!isucs1!
notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: MEMORY MOVE ABOVE HGR2--
Message-ID: <509@isucs1.UUCP>
Date: Thu, 6-Feb-86 11:09:24 EST
Article-I.D.: isucs1.509
Posted: Thu Feb 6 11:09:24 1986
Date-Received: Sun, 9-Feb-86 08:04:47 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 43
Nf-ID: #R:uok:-450002200:isucs1:9900012:000:1353
Nf-From: isucs1!heins   Jan 24 01:07:00 1986

/***** isucs1:net.micro.apple / uok!vfoster / 4:21 am Jan 23, 1986 */

>I have been having problems with a graphics program on my Apple //e
>which uses a shape table. The program's length is such that it spills
>into the region of memory for HGR graphics, causing lines to appear
>that shouldn't be there (also erasing the last portion of the program).
>The shape tables are stored in the HGR2 region of memory (which resides
>just above the HGR region). How can I, through machine language, basic,
>or whatever, move the starting point of the free memory above these
>graphics pages. This would be a godsend in freeing up enough memory
>to get my program back on it's feet.
>   HELP! HELP!...please.
>   vlf
>   "babyface"
/* ---------- *>

The bytes to change to set the memory usage for an Applesoft
Basic program are

$67 and $68

These normally contain $00 and $08 respectively (addr = $800)

to change the start of Applesoft's free memory do this

Change $67 and $68 to whatever you like (in this case $67 = 0 &
$68 = $60)

From BASIC this is:

POKE 103,0: POKE 104,96

Add this line to the beginning of your program:

5 IF PEEK (104)<>96 THEN POKE 103,0: POKE 104,96: ?:?CHR$(4)"RUN prog"

Where "prog" is the name of the program.

Hope this helps.

Lee Heins
/

From -5963252058222197862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d32930d679ec7fb1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 08:09:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!mmm!umn-cs!isucs1!
notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Loading Copy Protected Software on t
Message-ID: <510@isucs1.UUCP>
Date: Thu, 6-Feb-86 11:09:51 EST
Article-I.D.: isucs1.510
Posted: Thu Feb 6 11:09:51 1986
Date-Received: Sun, 9-Feb-86 08:05:54 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 43
Nf-ID: #R:homxb:-113400:isucs1:9900014:000:1996
Nf-From: isucs1!heins   Jan 24 23:14:00 1986

/***** isucs1:net.micro.apple / homxb!tlpmp / 9:10 am Jan 23, 1986 */
>We've just puchased a IIe system for our church with a 10Mb Sider

>and a 512K RAMWORKS card. The software we purchsed includes
>Print Shop and Dollars & $ense. My question is how do I
>load these programs onto the Sider? If a regular copy
>program like Copy II+ 5.(whatever) can do it, what partition
>do I use for each applications program? (CPM-I don't thinkkso, ProDos-maybe,
>DOS-maybe, Pascal-maybe for $s & $ense). This doesn't seem
>to be an unreasonable thing to want to do, nor should it be
>illegal. If it is illegal, let me know since it is for a church and
>we wouldn't want to do anything against the law. I also
>wonder about future protected software purchases which we haven't
>identifed a need for yet. Any guidance would be
>appreciated.
 >
>Terry Penrod
>AT&T Netwrok Systems

   This is the problem with copy protection, there is no way to load these
   programs on the Sider or any other hard disk drive. I know, I have a
   Corvus 10 meg drive, and I have many programs that had to have the
   copy protection removed to run under the Corvus environment (almost
   all won't work under it at all when they are protected, even when I try
   to run them from floppies because the Corvus controller I have _must_
   be in slot 6 (this stinks)

   Things to do: Call the authors/publishers and complain until they are
   tired of hearing anymore, and this failing, call your local 13 year old
   software deprotection whiz and let him at the programs. It is a shame
   that publishers must take this kind of attitude with regards to copy
   protection, as it actually encourages the piracy it is supposed to prevent
   and makes life more difficult for the legit owner.

                        Lee Heins

                        Disclaimer:

                        The UNIX site I'm writing this
                        from will probably not like my opinions
                        so they are mine alone.

                        /* ---------- */

From 8918707680023825274
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1e491d9fd8e2ea8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 08:10:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!mmm!umn-cs!isucs1!
notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple

Subject: Re: Putting a 65C02 cpu in an Apple II+
Message-ID: <511@isucs1.UUCP>
Date: Thu, 6-Feb-86 11:10:25 EST
Article-I.D.: isucs1.511
Posted: Thu Feb 6 11:10:25 1986
Date-Received: Sun, 9-Feb-86 08:06:48 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 58
Nf-ID: #R:myrias:-21300:isucs1:9900015:000:2551
Nf-From: isucs1!heins   Feb 6 03:49:00 1986

/***** isucs1:net.micro.apple / myrias!sjl / 8:39 pm Feb 4, 1986 */
>While visiting my local components dealer yesterday, I noticed a
>Rockwell R65C02P1 microprocessor on the shelf. The data sheet says
>that it is software and pinout compatible with the standard NMOS
>6502, the only differences being lower power consumption and an
>extended instruction set. Feeling brave, I plunked down my C$12.19,
>bought the chip, and plugged it into my 5 year old Apple II+. It
>seems to work - that is, Apple Pascal 2.1 runs just fine.
>
>Now for some questions:
>
   >- Has anyone else out there tried this? Any problems?
>
   >- I assume that this is the same chip as is found in the Apple //c.
     >However, the data sheet for my chip describes a whole series of
     >instructions that do not appear in the //c reference manual,
     >specifically:
>
     >SMB[0-7] (Set Memory Bit 0-7, 8 opcodes)
     >RMB[0-7] (Reset Memory Bit)
     >BBS[0-7] (Branch on Bit Set)
>   BBR[0-7] (Branch on Bit Reset)
>
>
     >There may be some other inconsistencies - I didn't have both
     >sheets to compare. A whole variety of other instructions (PHX,
     >PHY, LDA (ind), BRA, etc) appear in both the data sheet and //c
     >reference manual.
>
     >So, do I have the same chip as the Apple //e?
>
   >- Currently, I do all of my assembler programming using the Apple
    > Pascal 2.1 assembler, which is nice because I can link assembler
     >subroutines to my Pascal programs. Does anyone know of an assembler
     >that runs under Pascal 2.1 and assembes the 65C02 opcodes and
     >extended addressing modes?

The Apple //c and enhanced //e use the NCR version of the 65C022
which does not have all of the instructions that the Rockwell version
does. I have heard of some compatability problems with the Rockwell chips
in Apple //'s, but that may be only with older versions of that chip.

The only assemblers that I know of that support the extended instructions
of the 65C02 are ORCA/M by the BitWorks, Merlin by Roger Wagner publishing,
Big Mac, by A.P.P.L.E. (the user group) None of these run under Pascal...

I also assume that you mean Apple Pascal 1.2.... as far as I know the most
recent version of Apple Pascal is 1.3, which runs under ProDOS, perhaps this
version with the ProDOS version of ORCA/M (an _awesome_ assembler) would
solve your problem.

> "I am not affiliated with anyone in particular so sue
> me alone (if you can get blood out of a turnip) but
> leave my UNIX site alone - disclaimer}"
>
> Lee Heins
> /* ---------- */

From 7020919997940962331
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 10:34:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: There"s no net.sources.//e
Message-ID: <2460@reed.UUCP>
Date: Thu, 6-Feb-86 13:34:38 EST
Article-I.D.: reed.2460
Posted: Thu Feb 6 13:34:38 1986
Date-Received: Sun, 9-Feb-86 05:27:52 EST
References: <6859@duke.UUCP> <1579@sphinx.UChicago.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 25

In article <1579@sphinx.UChicago.UUCP> god3@sphinx.UChicago.UUCP (Peter Godwin)
writes:
>I'd like to know why too. I think the Mac is getting too much attention
>these days - sure its a fine machine but Apple // owners are getting
>the raw end of the deal. I have been devoted to my Apple // for 6 years
>now and keep up to date constantly - its getting more difficult to find
>user groups and sources of info on the // as compared to the Mac.
>
>Peter Godwin, University of Chicago

     I noticed recently that Sculley has decided to go headlong with the
// line. The MACWORLD EXPO was changed to include the // line. Also
noticed that Woz is buying back his Apple stock.

The // is gonna come back, strong as ever (Not that I'm COMPLETELY against the Mac :-). After all, my job is working on them...).

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -2389781907186409900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c264ea69dc97401,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 11:33:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!gargoyle!sphinx!ant3
From: ant3@sphinx.UChicago.UUCP (Butch Anton)
Newsgroups: net.micro.apple
Subject: termcaps, emulation, and AE Pro.
Message-ID: <1597@sphinx.UChicago.UUCP>
Date: Thu, 6-Feb-86 14:33:35 EST
Article-I.D.: sphinx.1597
Posted: Thu Feb 6 14:33:35 1986
Date-Received: Tue, 11-Feb-86 04:23:50 EST
Organization: U. Chicago - Computation Center
Lines: 35

Ok fellow netters, I know that this question has been asked
about 1E30 times, but I don't ever remember a definitive answer
being posted. So here it goes again:

I have an Apple II+ and a Novation Apple Cat 212. I am using
Ascii Express Pro. What I need to know is the following:

-How in the hell (please excuse the explative) do I make
this thing work with vi? Do I need one or more of the
following: special termcap def, different emulation
parameters (be specific as to which is in and which is
out), and/or a different/new computer?

I would really appreciate it if someone would post the necessary
answers to these vital questions. I believe that there are more than
just myself out there who have Apple II+/e 's and would like
to use a full screen editor.

Any and all responses (Even if they are incorrect, because it sure
beats no response) will be appreciated. I thank you, my Apple thanks

you, and the rest of the free world thanks you. (Well, maybe
not the rest of the free world, but you get the picture.)

--
Butch Anton
University of Chicago

    uucp: ...ihnp4!gargoyle!sphinx!ant3
        ...ihnp4!gargoyle!bourbaki!butch
    mailnet: x9.xba@UChicago.Mailnet
    bitnet: ant3%sphinx@UChicago.Bitnet
    ARPA: x9.xba%UChicago.Mailnet@MIT-Multics.ARPA
    USnail: 2560 E. 72nd Place   (312) 731-6314 home
          Chicago, IL 60649   (312) 731-6750 work

From 5204955632674256777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d332784fa273e8ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 15:35:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site meccts.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!umn-cs!mmm!
dicomed!meccts!rms
From: rms@meccts.UUCP (Roger M. Shimada)
Newsgroups: net.micro.apple
Subject: Correction to "//c and mini-assembler"
Message-ID: <301@meccts.UUCP>
Date: Thu, 6-Feb-86 18:35:15 EST
Article-I.D.: meccts.301
Posted: Thu Feb 6 18:35:15 1986
Date-Received: Sun, 9-Feb-86 07:58:44 EST
Reply-To: rms@meccts.UUCP (Roger M. Shimada)
Organization: MECC Technical Services, St.Paul, MN
Lines: 7
Summary:

Oops. A complete mistake on my part; the mini-assembler works fine on
any //c with Integer BASIC.

I was confused because if someone had made a RAM based version (from
Integer BASIC) it would not work on the //c.

Thanks to Sean Kamath on my error.

From -3595510994929579219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a3f15b0cb1f2bd57,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a3f15b0cb1f2bd57,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-06 15:36:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!itcatl!massoud
From: massoud@itcatl.UUCP (Massoud Alibakhsh)
Newsgroups: net.micro.apple,net.micro
Subject: Apple IIe for sale
Message-ID: <124@itcatl.UUCP>
Date: Thu, 6-Feb-86 18:36:25 EST
Article-I.D.: itcatl.124
Posted: Thu Feb 6 18:36:25 1986
Date-Received: Sun, 9-Feb-86 04:49:10 EST
Organization: Interactive Technology Corporation, Atlanta, Georgia
Lines: 23
Xref: watmath net.micro.apple:2525 net.micro:13718

I have an apple IIe that I have hardly ever used since I bought the
machine. The whole thing includes:

Apple IIe computer with 64K base
Amdek 300a glare free Monitor
2 Super Drives
80 column card with 128K extra RAM
Z80 Card with CP/M including on board RAM and
a RAM drive (C drive)

** Lots of Popular software including
C, Fortran, Basic Compilers..
A word processor, database manager
and lots of games...

Price : only $1400

If interested send me a mail to   gatech!itcatl!massoud

This machine is practically brand new!

From -7221618603580709749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbc251a3a91a4352
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-04 10:32:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ucbvax!ucdavis!lll-crg!seismo!cmcl2!lanl!unm-la!unmvax!nmtvax!wildstar
From: wildstar@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Third party vending

Message-ID: <924@nmtvax.UUCP>
Date: Sat, 4-Jan-86 13:32:17 EST
Article-I.D.: nmtvax.924
Posted: Sat Jan 4 13:32:17 1986
Date-Received: Tue, 7-Jan-86 03:42:33 EST
References: <730@grkermi.UUCP> <>
Reply-To: wildstar@nmtvax.UUCP (Andrew Fine)
Organization: New Mexico Tech, Socorro
Lines: 9

    Do you need any special permission, license, or restrictions from Apple Inc. to market software or hardware designed to be compatible with it, but not designed by Apple itself? I am interested in developeing a somewhat inexpensive, and very fast graphics engine in hardware that will take special advantage of double-hires graphics. Otherwise, does Apple accept outside software or hardware designs?

Andrew Jonathan Fine

From -2627147492265860684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,34d508ff65482b3c,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 10cb58,34d508ff65482b3c,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,34d508ff65482b3c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-04 17:14:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site sol1.UUCP
Path: utzoo!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!sol1!john
From: john@sol1.UUCP (john)
Newsgroups: net.wanted,na.forsale,net.micro.apple
Subject: Networked Apples for sale CHEAP!
Message-ID: <393@sol1.UUCP>
Date: Sat, 4-Jan-86 20:14:43 EST
Article-I.D.: sol1.393
Posted: Sat Jan 4 20:14:43 1986
Date-Received: Sun, 5-Jan-86 04:20:09 EST
Reply-To: john@sol1.UUCP (John Korsmeyer)
Organization: THE SOLUTION, Lincoln, NE
Lines: 31
Xref: sabre net.wanted:1911 na.forsale:335 net.micro.apple:689

We have the following already packed for shipment.
Former buyer backed out at last minute.

Apple][+ computer
Apple][+ computer (hardly used but has bad chip)
Corvus 20 Meg Hard disk with mirror backup

Corvus constellation network (allows multiple Apples to share harddisk)
16K ram card, CCS 7710 serial card, Videx 80 column card,
Qume 5/45 daisy wheel printer
Floppy controller & drive, Microsoft Z-80 card, ThunderClock,
3) Corvus controller cards.
misc cards including more 7710 cards. (all packed already)
Sanyo Green screen monitor, System Saver fan.
Accounting+ accounting software
Multiplan Spreadsheet
dBase II database
Hundreds of programs, many public domain, many not.
CP/M, DOS 3.3, Prodos, Pascal
cables etc...

Cost over $16,000.00 new

$3,500.00
8 boxes (you pay shipping)

FIRST 1/2 in hand holds it!! ($1,750.00)

CALL: 402/483-2238 Office or 402/483-2230 HOME

akgua!sol1!john

From -4959991509512648109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d57193ee53f36b2a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-05 12:02:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!
ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Need Turbo Pascal code to read/write Apple memory (PCPI Applicard)
Message-ID: <287@ius2.cs.cmu.edu>
Date: Sun, 5-Jan-86 15:02:06 EST
Article-I.D.: ius2.287
Posted: Sun Jan 5 15:02:06 1986
Date-Received: Tue, 7-Jan-86 07:15:43 EST
Organization: Carnegie-Mellon University, CS/RI
Lines: 23

Has anyone written code to do this for ANY of the Apple CP/M
coprocessor cards (MicroSoft Premium SoftCard //e, ALS CP/M Card,
DRI Gold Card, and PCPI/AppliCard). It would make portability
of certain applications easier, since one could include the
code for your processor when writing programs.

I imagine specs something like the following:

```
ApplePeek(address: integer) : byte; {Read a byte from Apple memory}

ApplePoke(address : integer, data : byte) {Write a byte to Apple memory}
```


- Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412) CMU-BUGS

--

- Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From 654782253598899527
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45ae40d81ce59559
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,45ae40d81ce59559
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-01-05 17:48:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site vice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!tekcrl!vice!mike

From: mike@vice.UUCP (Mike Mueller)

Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: Need terminal emulation software for Apple Pascal
Message-ID: <973@vice.UUCP>
Date: Sun, 5-Jan-86 20:48:44 EST
Article-I.D.: vice.973
Posted: Sun Jan 5 20:48:44 1986
Date-Received: Tue, 7-Jan-86 03:55:42 EST
References: <215@uw-june> <69@ttidcc.UUCP>
Organization: Tektronix, Beaverton OR
Lines: 32
Xref: watmath net.micro.apple:2437 net.wanted.sources:1700

> In article <215@uw-june> mains@uw-june (John William Mains) writes:
> >Wanted: Terminal emulation software with XMODEM file transfer
> >protocol for Apple II running the Apple Pascal (UCSD P-System)
> >operating system. VT100 emulation would be a plus.
>
> Both of these things are done by SOFTERM 2. It has many terminals as
> well as DOS, CP/M & PASCAL. You can emulate a VT100 (I am doing that
> now) & use XMODEM on any of those three systems. As a bonus, you
> can convert files between any two of these 3 os's. (Too bad it
> doesn't also have PRODOS!).
>   SOFTERM 2 comes in different flavors for different apple computers
> and memory sizes. It lists for $195. The manufacturer is:

> SOFTRONICS, Inc.
> Memphis, Tenn. 38119
> 901-683-6850
> -_-_-_-

>>> uses a 68020 running an emulation program (probably a good deal faster
>>> than an PC or XT). What's going on?
>>>
>>
>>Perhaps a 68000 or 68020 with custom micro-code?
>
>   Gross! Yuk, Phooey, bleck ...

Emulation actually might not be that bad, as long as you don't have to deal
with wierd copy protection schemes and other foolishness.

I've seen a published rumor (in an Apple][-related publication) to the
effect that the Apple //x will emulate the 6502 processor using a 680x0
processor. If they can get 95% of the //e software and hardware to work
with the new setup then this will be a big win, since it will allow the
Apple][and Mac product lines to start converging.

                        - Ralph
--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From 3491724803185934943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-06 12:00:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site alberta.UUCP
Path: utzoo!decvax!bellcore!petrus!scherzo!allegra!ulysses!mhuxr!mhuxn!ihnp4!
alberta!gordon
From: gordon@alberta.UUCP (Gordon Atwood)
Newsgroups: net.micro.apple
Subject: Double Hi-Resolution Graphics on IIe (Information Request)
Message-ID: <771@alberta.UUCP>
Date: Mon, 6-Jan-86 15:00:11 EST
Article-I.D.: alberta.771
Posted: Mon Jan 6 15:00:11 1986
Date-Received: Tue, 7-Jan-86 01:00:11 EST
Distribution: na
Organization: U. of Alberta, Edmonton, AB
Lines: 15

Some time ago I posted a request for information on the use of double
hi-resolution graphics with the Apple IIe. The response was overwhelmingly
non-existant.

Over the Xmas holiday I devoted several hours investigation to the soft-
switchesindicated by my IIe Reference Manual. They did not elicit the desired
responses. The manual is unclear, non-specific, and proffers no examples.

Has anyone out there examined this supposed feature? Can anyone explain how
to use it, either from Basic, or Machine Language level. Does anyone know
if certain models of IIe might be lacking this feature? Can anyone recommend
an article, text, person, which/who can supply this information?

Any assistance with this problem would be greatly appreciated.

G.H.A.

From 5958241696631021334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-07 13:51:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution Graphics on IIe (Information Request)
Message-ID: <2b32a187.7005@apollo.uucp>
Date: Tue, 7-Jan-86 16:51:49 EST
Article-I.D.: apollo.2b32a187.7005
Posted: Tue Jan 7 16:51:49 1986
Date-Received: Wed, 8-Jan-86 03:08:26 EST
References: <771@alberta.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Distribution: na
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 64
Summary:

In article <771@alberta.UUCP> gordon@alberta.UUCP (Gordon Atwood) writes:
> Some time ago I posted a request for information on the use of double
> hi-resolution graphics with the Apple IIe. The response was overwhelmingly
> non-existant.

That's typical.

> Has anyone out there examined this supposed feature? Can anyone explain how
> to use it, either from Basic, or Machine Language level. Does anyone know
> if certain models of IIe might be lacking this feature? Can anyone recommend
> an article, text, person, which/who can supply this information?
>
> Any assistance with this problem would be greatly appreciated.
>
> G.H.A.

Well, you asked for any assistance, so I will offer up what little I know.

To use double hi-res on a][e you need to have the following:

    an 80 column card with 64K of additional memory (apple compatable)
    a rev B motherboard
    a jumper

The revision notice is (I think) printed in the back behind the slots. The rev B board has been standard for at least a year, probably two. I think you can get a free upgrade if you don't have it.

The jumper has to go on the 80 column card, connecting two posts on the right-hand keyboard side. I'm a little vague on this, I don't have my apple here and it has been a while since I did it. Any kind of wiring between the two posts will do. I don't know whether this is done for you on the newer versions of the 80-column card.

Once you have made sure that all of the above is done you can use the 80 column features. The addressing is a real pain, since every other dot is on the other bank of memory. I know that Nybble magazine had a flurry of sample programs that did it soon after it was announced, so you might want to try and dig them up. I've also seen (I don't remember where) an ad for some ampersand routines that mimiced the standard apple graphics calls but worked with hires.

As a side note, since the bank switching really slows down loading files into memory some graphics programs (The Complete Graphics System from Penquin Software in particular) save double hi-res pictures as two seperate files, one for the foreground memory and one for the background.

You can also use some of the extra memory for a ram disk. This is done automatically in ProDos and Nybble published a ram-disk for Dos a while back that works quite nicely.

Hope that helps some.

Kee Hinckley
...decvax!wanginst!apollo!nazgul

--
    Little Bo-Peep
    Has lost her sheep,
The radar has failed to find them.
    They'll all, face to face,
    Meet in parallel space,
Preceding their leaders behind them.

"A Space Child's Mother Goose"

From 2330658917106874492
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2e345aafbdecbd6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-07 18:00:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-aussie!dimond
From: dimond@aussie.DEC (Phil Dimond, ms:SNA/CSS Engineering,Sydney,Aust.)
Newsgroups: net.micro.apple
Subject: Apple CP/M disk formatter help required.
Message-ID: <311@decwrl.DEC.COM>
Date: Tue, 7-Jan-86 21:00:18 EST
Article-I.D.: decwrl.311
Posted: Tue Jan 7 21:00:18 1986
Date-Received: Wed, 8-Jan-86 20:53:49 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 21

Hello:

I am currently attempting to modify Apple CP/M for 40 track drive operation. I have done this successfully, but to finalise the operation, I need some software.

I am wondering if anyone has source for a drive formatter to run under Apple CP/M, or can advise me on how to modify COPY.COM (a Microsoft supplied copy utility) to allow me to format 40 tracks.

Any help would be greatly appreciated. Please mail responses to keep net goo down to reasonable levels. I will summarise results on the net.micro.apple and net.micro.cpm newsgroups.

Thanks,
Phil Dimond.
...decvax!decwrl!dec-rhea!dec-aussie!dimond

"If all else fails, take the engineering approach: hit it with a hammer."

All opinions expressed here are those of myself only, and not necessarily those of any persons or organisations with whom I am affiliated.

From 2025231572370401096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,adc699cfef662f3a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-08 11:05:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site mtgzz.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mtuxo!mtgzz!sts
From: sts@mtgzz.UUCP (s.l.talaricoswier)
Newsgroups: net.micro.apple
Subject: home financial software
Message-ID: <1532@mtgzz.UUCP>
Date: Wed, 8-Jan-86 14:05:12 EST
Article-I.D.: mtgzz.1532
Posted: Wed Jan 8 14:05:12 1986
Date-Received: Thu, 9-Jan-86 03:45:31 EST
Organization: AT&T Information Systems Labs, Holmdel NJ

Lines: 4

Can anyone recommend a good home financial package for an
Apple 2c? How much would you expect to pay for one?
Also, is there an emulation available for a 2c for any of
the AT&T terminals?

From -245986437725723725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a9bb56bffd025345,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-08 14:58:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!sdcrdcf!trwrb!
trwrba!cepu!hao!muir
From: muir@hao.UUCP (Greg Muir)
Newsgroups: net.micro.apple
Subject: Laser compatible query
Message-ID: <1906@hao.UUCP>
Date: Wed, 8-Jan-86 17:58:23 EST
Article-I.D.: hao.1906
Posted: Wed Jan 8 17:58:23 1986
Date-Received: Sat, 11-Jan-86 07:47:43 EST
Distribution: na
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 8

Does anyone know about the Laser IIe compatible computer? What do they cost?
Where do you get them?   Has anyone had any experience (good, bad) with them?
As they say, Thanks in advance...
                                                                Greg Muir
        {ucbvax!hplabs | allegra!nbires | harpo!seismo } !hao!muir
--
      "Electronic mail is the CB radio of computerists. - S. Chapel"
        {ucbvax!hplabs | allegra!nbires | harpo!seismo } !hao!muir

From -4970142567331598323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,105e046aba030575,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-08 19:01:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-mrmfg1!g_mckie
From: g_mckie@mrmfg1.DEC (Second shift is MRO1-3/P78's 5th gear...)
Newsgroups: net.micro.apple
Subject: need info on VT100 emulator for Apple //c
Message-ID: <337@decwrl.DEC.COM>
Date: Wed, 8-Jan-86 22:01:50 EST
Article-I.D.: decwrl.337

Posted: Wed Jan 8 22:01:50 1986
Date-Received: Fri, 10-Jan-86 06:20:57 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 24

New comer needs help. Need recommendations for a Digital VT100

terminal emulator for my Apple //c.

price?

where to purchase?

Greg Mckie

P.O. Box 472

Marlboro, Ma 01752

From -5076207158682794628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,105e046aba030575
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-08 19:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-mrmfg1!g_mckie
From: g_mckie@mrmfg1.DEC (Second shift is MRO1-3/P78's 5th gear...)
Newsgroups: net.micro.apple
Subject: need info on VT100 emulator for Apple //c
Message-ID: <339@decwrl.DEC.COM>
Date: Wed, 8-Jan-86 22:48:00 EST
Article-I.D.: decwrl.339
Posted: Wed Jan 8 22:48:00 1986
Date-Received: Fri, 10-Jan-86 06:22:35 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 28

New comer needs help. Need recommendations for a Digital VT100

terminal emulator for my Apple //c.

price?

where to purchase?

decvax!decwrl!dec-rhea!dec-mrmfg1!g_mckie

Greg Mckie

P.O. Box 472

Marlboro, Ma 01752

From 5191521953007123022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d1ed00ed8f6c0938,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-09 09:07:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site dg_rtp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!mcnc!
rti-sel!dg_rtp!owen
From: owen@dg_rtp.UUCP
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution Graphics on IIe (Information Request)
Message-ID: <84@dg_rtp.UUCP>
Date: Thu, 9-Jan-86 12:07:49 EST
Article-I.D.: dg_rtp.84
Posted: Thu Jan 9 12:07:49 1986
Date-Received: Sat, 11-Jan-86 07:27:19 EST
Distribution: na
Organization: Data General, RTP North Carolina
Lines: 38

> Some time ago I posted a request for information on the use of double
> hi-resolution graphics with the Apple IIe.

> the soft-switches indicated by my IIe Reference Manual. They did not
> elicit the desired responses. The manual is unclear ...

I tried using the soft switches listed in the Microsoft manual that came with the Premium Softcard IIe I'm using. They also failed to put double hi-res graphics on my screen.

> Has anyone out there examined this supposed feature?

Yes, I've sure tried!

> Can anyone explain how to use it, either from Basic, or Machine level?

No, and I'm getting upset.

> Does anyone know if certain models of IIe might be lacking this feature?
> Can anyone recommend an article, text, person, which/who can supply this
> information?

I seem to recall that "revision A" motherboards don't support double hi-res according to the Microsoft manuals. Maybe if I compare the stuff in the IIe reference manual (I didn't realize it was there) ...

I, too, would appreciate any help any kind soul would care to give.

> G.H.A.

Karl M. Owen

--

Karl M. Owen
Data General, RTP, NC
...!seismo!mcnc!rti-sel!dg_rtp!owen

From 1237120974459164737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f7078474dabf801,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-09 11:21:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hounx.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!hounx!wa2sff
From: wa2sff@hounx.UUCP (J.WILKES)
Newsgroups: net.micro.apple
Subject: parts for apple disk controllers
Message-ID: <469@hounx.UUCP>
Date: Thu, 9-Jan-86 14:21:09 EST
Article-I.D.: hounx.469
Posted: Thu Jan 9 14:21:09 1986
Date-Received: Fri, 10-Jan-86 07:13:38 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 5

JDR microdevices lists the ICs for the apple disk drive.
3146 is $1.29, uln2003 $0.79, 3470 is $1.95 74125? is $0.45
their number is 800-538-5000 or 800-662-6279 in CA.
They really exist as I have visited the store.
Joe Wilkes

From 3784488370907511124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-09 19:29:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eneevax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!eneevax!balon
From: balon@eneevax.UUCP (Kevin G. Balon)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution Graphics on IIe (Information Request)
Message-ID: <476@eneevax.UUCP>
Date: Thu, 9-Jan-86 22:29:22 EST
Article-I.D.: eneevax.476
Posted: Thu Jan 9 22:29:22 1986
Date-Received: Sat, 11-Jan-86 06:16:01 EST
References: <771@alberta.UUCP>, <2b32a187.7005@apollo.uucp>
Organization: U of Maryland, EE Dept., College Park, MD
Lines: 55

Double Hires is tricky to do. The best software I have found to use it is
BEAGLE GRAPHICS. Also, refer to Apple's 'Extended 80-Column Text Card
Supplement' for the use of the soft-switches. Trying to do it in BASIC is
much to slow.
BEAGLE GRAPHICS adds commands to BASIC to use in your own programs.

Nonetheless, here's a copy of an early program I wrote to use double hires
graphics on an Apple //e (Rev. B); it displays a sign wave:
I hope this helps out.

(By the way, I have no connection with BEAGLE SOFTWARE or APPLE; I am just an
 enthusiastic apple computer user)

****

```
100  GOSUB 4010: REM  Initialize
110  HCOLOR= 3
120  FOR X = 0 TO 559 STEP .25
140 :Y = 40 *  SIN (X / 10) + 80
160 : GOSUB 5010: REM  plot it
180  NEXT X
200  END
```

```
3999  STOP
4000  REM    ****************** INITIALIZATION *********************
4010 D$ =  CHR$ (4)
4020  PRINT D$;"PR#3"
4025  HGR : REM  Clear half the hires screen also
4030  POKE  - 16300,0: REM Stay in page 1 graphics
4040  POKE  - 16371,0: POKE  - 16384,0: REM   Turn on card and enble 80STORE
4050  POKE  - 16290,0: REM  Turn on AN3 (enable double res graphics)
4060  POKE  - 16297,0: POKE  - 16304,0: REM    Enable HIRES graphics and dispay it
4065  HCOLOR= 0: REM  This For/Next loop clear other half of screen
4070  FOR Y = 0 TO 191
4080  POKE  - 16383,0: POKE  - 16299,0: REM   Access Hires Page 1x in Auxiliary
RAM
4090  HPLOT 0,Y TO 279,Y
4100  NEXT Y
4110  POKE  - 16384,0: REM  Access Hires Page 1 in main RAM
4120  RETURN
4999  STOP
5000  REM  *************** Double Res Plotting Subroutine *************
5010  IF X > 559 THEN  RETURN
5020 COLUMN =  INT (X / 7)
5030 AUXFLAG = (COLUMN = 2 *  INT (COLUMN / 2))
5050 XREL = X - 7 * COLUMN
5060 FIRST = (COLUMN -  NOT AUX) * 3.5
5070 XPLT = FIRST + XREL
5080  POKE  - 16383,0: POKE AUXFLAG - 16300,0: REM  Enable 80STORE and select bank
5090  HPLOT XPLT,Y
5100  RETURN
```

```
From -2317950402442231277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,654aeefe62069954,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-10 07:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesnews 0.1 (unido 12/05/84); site unido.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!ut-sally!seismo!mcvax!unido!uh
From: uh@unido.UUCP
Newsgroups: net.micro.apple
Subject: Turbo-Kermit for Apple-CP/M query
Message-ID: <15600006@unido.UUCP>
Date: Fri, 10-Jan-86 10:05:00 EST
Article-I.D.: unido.15600006
Posted: Fri Jan 10 10:05:00 1986
Date-Received: Tue, 14-Jan-86 04:41:59 EST
Sender: notes@unido.UUCP
Lines: 9
Nf-ID: #N:unido:15600006:000:337
Nf-From: unido!uh    Jan 10 15:05:00 1986

I'm looking for a Turbo-Pascal-Kermit for CP/M 2.23 on the Apple ][+ with
```

MS-Softcard and CCS 7710 RS232-Interface in Slot 2. If there are
any hints please send mail to

     Uwe Hoch
     Computer Science Department, University of Dortmund
     4600 Dortmund 50, P.O. Box 500500, W.-Germany
     E-mail address UUCP: ...seismo!unido!uh

From -6529265390279148672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-10 12:13:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Ascii Express terminal emulation
Message-ID: <2b415fe4.7005@apollo.uucp>
Date: Fri, 10-Jan-86 15:13:16 EST
Article-I.D.: apollo.2b415fe4.7005
Posted: Fri Jan 10 15:13:16 1986
Date-Received: Sat, 11-Jan-86 18:49:34 EST
References: <771@alberta.UUCP> <895@mit-eddie.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Distribution: na
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 44
Summary:

In article <895@mit-eddie.UUCP> cht@mit-eddie.UUCP (Chester Liu) writes:
...
> column card which is Videx compatible. I lost the list of parameters
> and I wonder if anyone out there has any suggestions. I know for sure
> that all I have to do is change the terminal parameters. Right now, they are
> set at 6 (vt52) for input and 5 (80 column) for output.
> I am sure that someone out ther has the same setup as me. If you are,
> please answer me. I am desperate! Thank you.
>
>   Chester
>   ...ihnp4!mit-eddie!cht

I have Ascii Express on my][e, so I can't help you out without resorting to
my manual, but I do have a two "helpful" hints:

- Read your manual
- Call up the company (the number's in the manual)

If you don't have a manual then I start to wonder where you got the
software. I'm sure the author (who is somewhere on the net) would be
curious to know.

Don't get me wrong, I'm not above using pirated software, but there is
a simple rule I follow:

        If I need it so bad that I would have bought it... I buy it.

If you're that desperate then I suggest you do the same. If on the other
hand I have it all wrong and the documentation isn't at all helpful, then
I apologize.

                                                        Kee Hinckley
                                                        Apollo Computer

--
    Little Bo-Peep
    Has lost her sheep,
The radar has failed to find them.
    They'll all, face to face,
    Meet in parallel space,
Preceding their leaders behind them.

                        "A Space Child's Mother Goose"

From 7396453327449008092
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-12 15:10:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcsvax.UUCP
Path: utzoo!decvax!ittatc!dcdwest!sdcsvax!jc
From: jc@sdcsvax.UUCP (John Cornelius)
Newsgroups: net.micro.apple
Subject: Re: Ascii Express terminal emulation
Message-ID: <1301@sdcsvax.UUCP>
Date: Sun, 12-Jan-86 18:10:02 EST
Article-I.D.: sdcsvax.1301
Posted: Sun Jan 12 18:10:02 1986
Date-Received: Tue, 14-Jan-86 02:31:10 EST
References: <771@alberta.UUCP> <895@mit-eddie.UUCP>
Reply-To: jc@sdcsvax.UUCP (John Cornelius)
Distribution: na
Organization: Western Scientific, San Diego
Lines: 18
Summary: Emulation Selection Options are given

The ASCII Express manual gives the following terminal/card types. They are set
using the S option in Macro (U) section.

 0   = No Emulation   1   = ADDS Regent or Viewpoint
 2   = Hazeltine 1500   3   = Televideo 912, ADM-31

```
 4   = Soroc IQ-120          5   = Datamedia (80 col. bds.)
 6   = DEC VT-52         7   = Dow Jones
 8   = ADM-3A       9   = IBM 3101
10   = Hazeltine 1510   11   = Heath H19
```

There is also an installation option which allows the Videx keyboard inhancer to be used. See page 151 of the manual.

If you have an 80 column card the output terminal is always 5. The input terminal is whichever one you want to emulate.

John Cornelius
Western Scientific

```
From 2867339769828562334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c2301ec26c395c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-12 19:38:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!sdcrdcf!
sdcsvax!ucbvax!decwrl!dec-rhea!dec-aussie!dimond
From: dimond@aussie.DEC (Phil Dimond, ms:SNA/CSS Engineering,Sydney,Aust.)
Newsgroups: net.micro.apple
Subject: 40 track drives on Apple CP/M
Message-ID: <400@decwrl.DEC.COM>
Date: Sun, 12-Jan-86 22:38:22 EST
Article-I.D.: decwrl.400
Posted: Sun Jan 12 22:38:22 1986
Date-Received: Wed, 15-Jan-86 00:35:53 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 78
```

Hi:
        From the responses I have gratefully received from the net, I have the essential data for modifying Apple CP/M to drive 40 tracks on Apple drives. I will summarise here. If anyone desires further information, please do not hesitate to contact me by mail.

        Firstly, it is very important to use late model drives. Apple has advised me that any drives sold since the IIe was released should be capable of 40 track operation. Any Far-East Apple compatible drives should also be fine. The problem with old drives is that they cannot step to 40 tracks.
        Now, the only modification that is required is to alter the drive characteristics contained in the BDOS. These characteristics are held in the Disk Parameter Block, whose initial address can be found by BDOS function 31. To find this address, enter DDT, and run the following program:

```
                0100 MVI C,1F   ;Load C for function 31.
```

```
0102 CALL 5     ;Execute the function.
0105 RES 7      ;On completion, re-enter DDT.
```

Now, if the CPU registers are examined, the data in the HL register should contain the address of the first block of the DPB for the current default drive. In my 60K Softcard II CP/M the address is FA73 hex for drive A: .

Offset five bytes from this are two bytes called the DSM parameter. These bytes, stored with the low order byte first, give the block number of the highest block on the disk. In the case of Apple CP/M, there are four blocks per track, thus for a 35 track drive the highest block number will be 139 (as the blocks are numbered from zero). We actually have 40 tracks, so we wish to store 9F hex in this parameter.

The easy way to do this is to execute the following program. It will find the DPB for the current default drive, and automatically alter it's value. The easy way to ensure the disk change is to autorun this program on disk boot.

```
;Modify the DPB to set the current default drive to 40 tracks.
;Written in 8080 assembler for the DR assm assembler.
;
        ORG     0100H   ;Start of Transient Program Area.
;
START:  MVI     C,01FH  ;Prepare to call BDOS function 31.
        CALL    5       ;Execute the function.
        LXI     D,05H   ;Load the parameter offset.
        DAD     D       ;Add the offset to the DPB address.
        MVI     B,09FH  ;Load the new parameter value.
        MOV     M,B     ;Update the DPB.
        RET             ;Return to CP/M.
;
```

A better way is to use one of the multitude of disk editing utilities that are available in the public domain for CP/M. Edit the system tracks until you find a copy of the DPB that you see in memory, modify it accordingly, and you have altered it for good.

It is at this point that a problem crops up - there is no easily accessible formatting program available for the Apple CP/M environment that will format the 40 tracks, at least that I know of.

Does anyone have one, or even the source to one of uSoft's formatting programs, or even an idea of how to modify them? It could not be that hard.

This information was compiled with the help of some reference texts and several net persons (they know who they are - let me thank them). A good reference text is:

"Mastering CP/M", by Alan R Miller, pub: SYBEX Inc, 1983

" All opinions expressed herein are those of myself only, and not

necessarily those of any other persons, or of any organisation, or of the
cat which lives in our flats."

Phil Dimond,

...decvax!decwrl!dec-rhea!dec-aussie!dimond

"When all else fails take the engineering approach: Hit it with a hammer."

From -2343656960999245706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3b46b89f6e21ab17,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-12 21:54:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc3.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!sdcrdcf!
sdcsvax!sdcc3!borton
From: borton@sdcc3.UUCP (Chris Borton)
Newsgroups: net.micro.apple
Subject: Need info on MicroTek card
Message-ID: <3133@sdcc3.UUCP>
Date: Mon, 13-Jan-86 00:54:44 EST
Article-I.D.: sdcc3.3133
Posted: Mon Jan 13 00:54:44 1986
Date-Received: Wed, 15-Jan-86 00:36:49 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 17

[I am posting this for John as he doesn't have a news feed yet]

Hi out there.

I need info on a Microtek serial card. What does it emulate and what are
the switches and two serial ports for?

John Antypas

uucp: ...!{ucbvax,decvax,ihnp4,noscvax}!sdcsvax!{man,schem}!wolf!jantypas
arpa: sdcsvax!man!wolf!jantypas@nosc man!wolf!jantypas%sdcsvax@ucsd.arpa.edu

For all networks below send to:
      man!wolf!jantypas%sdcsvax%ucsd.arpa.edu@Gateway
Where Gateway is WISCVM.BITNET, DECWRL.DECNET, CSNET-RELAY.CSNET, UCL-CS.JNET
                 MIT-MULTICS.MAILNET, XEROX
bellnet: (619) 455 9985

From 739374247069948023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d1ed00ed8f6c0938
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-01-13 08:48:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!aer
From: aer@alice.UucP (D. Rosenberg)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution (motherboards)
Message-ID: <4802@alice.UUCP>
Date: Mon, 13-Jan-86 11:48:09 EST
Article-I.D.: alice.4802
Posted: Mon Jan 13 11:48:09 1986
Date-Received: Tue, 14-Jan-86 06:12:29 EST
References: <84@dg_rtp.UUCP>
Organization: Bell Labs, Murray Hill
Lines: 21

To get double hi (or double low) resolution graphics on your //e, you
must have a revision B or higher motherboard. Last time I looked, the
highest revision *was* B.

Authorized Apple dealers are required to upgrade any revision A motherboard
for free. They are allowed to charge only for their time. One dealer in New York City tried
to charge me $50 for their time. Then, they kept my computer for a month.
I called Apple and whined, and the next day I was told I could have my
computer back, and they weren't charging me the $50 either.

The difference between revision A and B has something to do with B being able
to use the same kind of 80 column thing in graphics mode as text mode. The
revision is visible in the model number (?), at the back
of the motherboard... past the expansion slots. It says something like
"820-0064-B" for revision B, or "820-0064-A" for revision A, right below
where it says "Apple Computer, INC, (C) 1983."

--
##
#D. Rosenberg "Disclaimer: I'd never want to hurt anyone with My Opinions"
#(..{ihnp4,research,allegra}!alice!aer)

From 2260001673616545336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6103406644c6b2f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-13 11:08:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site alberta.UUCP
Path: utzoo!decvax!genrad!panda!talcott!harvard!seismo!lll-crg!qantel!ihnp4!
alberta!gordon
From: gordon@alberta.UUCP (Gordon Atwood)
Newsgroups: net.micro.apple
Subject: Double Hi-res graphics, confirmation
Message-ID: <777@alberta.UUCP>

Date: Mon, 13-Jan-86 14:08:27 EST
Article-I.D.: alberta.777
Posted: Mon Jan 13 14:08:27 1986
Date-Received: Thu, 16-Jan-86 01:30:57 EST
Distribution: na
Organization: U. of Alberta, Edmonton, AB
Lines: 33

A few weeks ago I posted a request for information about the double hi-resolution graphics. I received varied response. Here is the result.

1) A highly recommended article is in Softalk Magazine. July or Sept 1983 issue. One of the first things described in it is the exact Machine level instructions which activate the double-hi-res.

   a) The article claims that a Rev-B motherboard is needed, and that the extended 80-col card must be jumpered. This is not true.

      I have both of these and the sequence of instructions fail to work.

      A demo at a comp. store, with a Rev-A motherboard, a Rev-B 80 ext. col. card (jumpered), DID work.

      MORAL: There is more to this than just revision numbers.

      My dealer, however, offers slightly modified computers, and is currently checking to see why my particular computer fails. (Another demo, in this dealers store, does work. I may simply have a defective soft switch.

   b) I have not checked the article for additional accuracy, since I don't have the time to sit at a demo in a store.

2) There is no 2.

Thank-you for the response.

G.H.A.

From -4934310279476321937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc93e43f30b543e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-13 15:38:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site think.ARPA
Path: utzoo!watmath!clyde!cbosgd!ihnp4!think!ejb
From: ejb@think.ARPA (Erik Bailey)
Newsgroups: net.micro.apple

Subject: //x - a reality!
Message-ID: <3964@think.ARPA>
Date: Mon, 13-Jan-86 18:38:46 EST
Article-I.D.: think.3964
Posted: Mon Jan 13 18:38:46 1986
Date-Received: Wed, 15-Jan-86 00:27:41 EST
Reply-To: ejb@godot.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 19

[I once met a subliminal lineater, just for a second!]

Well, guys, it looks like the //x exists. From a friend from a
"high-ranking Apple official", the //x will be introduced in
a couple of weeks. Truth? I dunno... Anyone know about the //c?

DISCLAIMER: I am not affiliated with anyone, including, but
            not limited to, IBM, the Irish American Club,
            NASA, Adam Osborne, and of course APPLE.
--
Erik Bailey
_-

Erik Bailey   -- 7 Oak Knoll   (USENET courtesy of
ihnp4!godot!ejb   Arlington, MA 02174   Thinking Machines Corp.
ejb@think.com.arpa   (617) 643-0732   Cambridge, MA)

"He's dead, Jim."   -- Leonard H. McCoy

From -6890688701016964986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,7aa4ca9cb2fbc57e,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,7aa4ca9cb2fbc57e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-13 15:53:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gt-oscar.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!gt-oscar!rodney
From: rodney@gt-oscar.UUCP (RODNEY RICKS)
Newsgroups: net.micro.apple,net.micro.mac
Subject: When is the January Apple Stockholder's meeting???
Message-ID: <185@gt-oscar.UUCP>
Date: Mon, 13-Jan-86 18:53:13 EST
Article-I.D.: gt-oscar.185
Posted: Mon Jan 13 18:53:13 1986
Date-Received: Tue, 14-Jan-86 05:57:58 EST
Organization: Georgia Institute of Technology, Atlanta
Lines: 6
Keywords: January Apple IIx meeting question

Xref: watmath net.micro.apple:2453 net.micro.mac:4067

I would like to know the date of the Apple January stockholder's meeting. I have heard that the IIx may be officially announced at that time.

thanks,
Rodney Ricks

From -6698500733895719968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a9bb56bffd025345
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-14 08:14:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site mordor.UUCP
Path: utzoo!decvax!decwrl!amdcad!lll-crg!mordor!wct
From: wct@mordor.UUCP (Bill Thompson)
Newsgroups: net.micro.apple
Subject: Re: Laser compatible query
Message-ID: <5045@mordor.UUCP>
Date: Tue, 14-Jan-86 11:14:35 EST
Article-I.D.: mordor.5045
Posted: Tue Jan 14 11:14:35 1986
Date-Received: Thu, 16-Jan-86 00:40:57 EST
References: <1906@hao.UUCP>
Reply-To: wct@mordor.UUCP (Bill Thompson)
Distribution: na
Organization: S-1 Project, LLNL
Lines: 40

I haven't actually seen the Laser 128 (Apple IIe compatible clone)--but I do have an ad from Central Point Software (authors of Copy II, etc) for the machine. They claim compatibility with all Apple IIe programs, it comes with 128k RAM, 80 column text display, mouse interface, a serial printer interface, a parallel printer interface, a numeric keypad and one expansion slot all built into one unit (whoops, I forgot it also includes a built in 5 1/4 inch disk drive). They are asking $395 plus $20 shipping and handling.

We called them the other day-they are supposed to start shipping first week of Feb. Units should be at dealers for examination shortly thereafter also. They make a point that it isn't just an Apple copy, everything is designed from the ground up so there is no legal infringement of the Apple II.

I suspect there will be shipping delays--it sounds like a hot item.

Central Point Software's address:

Central Point Software, Inc.
9700 S.W. Capitol Hwy, Suite 100
Portland, OR 97219-9990

phone 503-244-5782

The usual disclaimers, no connections other than a very satisfied
user of both Copy II plus and Copy II Mac.

Billl Thompson

--
William C. Thompson III (S-1 Project, Lawrence Livermore
National Laboratory)
U.S. Mail: LLNL, P.O. Box 5503, L-278, Livermore, Ca., 94550
Phone: (415) 422-0758
MILNET: wct@s1-c or s1-a   UUCP: ...!decvax!decwrl!mordor!wct

From -910333486586877630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 151e61,4cb8313628dc58fb,start
X-Google-Attributes: gid151e61,public
X-Google-Thread: 1622d3,4cb8313628dc58fb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-14 11:40:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hounx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hounx!sparks
From: sparks@hounx.UUCP (L.IFLAND)
Newsgroups: net.ham-radio,net.micro.apple
Subject: CW/BAUDOT (RTTY)/ASCII Program for APPLE II/e
Message-ID: <505@hounx.UUCP>
Date: Tue, 14-Jan-86 14:40:19 EST
Article-I.D.: hounx.505
Posted: Tue Jan 14 14:40:19 1986
Date-Received: Wed, 15-Jan-86 01:37:45 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 22
Xref: watmath net.ham-radio:3739 net.micro.apple:2459

A CW/RTTY/ASCII program, "HAM", has been developed for the APPLE II/e.
"HAM" may be used to receive CW/BAUDOT/ASCII without the use of a
Terminal Unit (TU) or inhance the features of any TU for both
Transmission and Reception. For the SWL, ham's transmit features are
inhibited. For the licensed amateur, the FCC Callsign is embeded.

"HAM" features;
* CW - 5-99 WPM, Auto- Speed & Character tracking, speed readout.
* BAUDOT & ASCII - 50 baud to 19.2 Kilobaud.
* Two sets of nine 256 bit programmable message buffers.

* A 1k type-ahead transmit buffer and a 4K recallable receive buffer.
* Multi-window display, top receive-center status-bottom transmit.
* Automatic word wrap-around on receive display window.
* Operator selection of either 40 or 80 column display (w/APPLE Board).
* Operator selection of window allocation on the CRT.
* Displayed clock for time-of-day or elapsed time.

"HAM" is available from TCI Communications Inc., 67 Clark Place,
Colonia, N.J. 07067 at $49.95 per copy. Please send check or money
order with photocopy of FCC Amateur license. SWL, receive only, programs
will be upgraded to full transmit & receive with presentation of copy of
FCC Amateur license for a $5.00 fee.

From -5689106625972004095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6dc4d6632a6185
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-14 19:21:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uok.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!
vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution Graphics on II
Message-ID: <4500021@uok.UUCP>
Date: Tue, 14-Jan-86 22:21:00 EST
Article-I.D.: uok.4500021
Posted: Tue Jan 14 22:21:00 1986
Date-Received: Sat, 18-Jan-86 06:55:04 EST
References: <771@alberta.UUCP>
Lines: 39
Nf-ID: #R:alberta.UUCP:771:uok.UUCP:4500021:000:1856
Nf-From: uok.UUCP!vfoster   Jan 14 21:21:00 1986

/* Written 2:00 pm Jan 6, 1986 by gordon@alberta.UUCP in
uok.UUCP:net.micro.appl */
/* ---------- "Double Hi-Resolution Graphics on II" ---------- */
Some time ago I posted a request for information on the use of double
hi-resolution graphics with the Apple IIe. The response was overwhelmingly
non-existant.

Over the Xmas holiday I devoted several hours investigation to the soft-
switchesindicated by my IIe Reference Manual. They did not elicit the desired
responses. The manual is unclear, non-specific, and proffers no examples.

Has anyone out there examined this supposed feature? Can anyone explain how
to use it, either from Basic, or Machine Language level. Does anyone know
if certain models of IIe might be lacking this feature? Can anyone recommend
an article, text, person, which/who can supply this information?

Any assistance with this problem would be greatly appreciated.

G.H.A.
/* End of text from uok.UUCP:net.micro.appl */
The only thing that I have come across in the area of double hi-res
is through the Extended 80-Column Text Card supplement. On page 11
it reads :

> Two things to obtain double high-resol. diplay:
>
> - Install a jumper to connect the two Molex-type pins on the extended 80-column text card
>
> - Turn on the Annunciator 3 soft switch along with the switches that select the 80-column display and high resolution graphics.
>
> This works only on an Apple //e with the Rev B (and later) main logic board, identified by a B as the last letter of the part number on the back of the board. ... This uses the auxiliary memory in the extended to produce more 'dots' in the same manner as the 80 columns are generated.

I don't know if this helped you any. I think that the only way to do
this is with an 80-column extended memory card. Bye.

Vincent Foster
Univ. of Oklahoma

From -8428194775548370032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93cd4ea140a92abc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-14 19:35:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uok.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!
vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: MEMORY MOVE ABOVE HGR2--
Message-ID: <4500022@uok.UUCP>
Date: Tue, 14-Jan-86 22:35:00 EST
Article-I.D.: uok.4500022
Posted: Tue Jan 14 22:35:00 1986
Date-Received: Sat, 18-Jan-86 01:29:10 EST
Lines: 13
Nf-ID: #N:uok.UUCP:4500022:000:645
Nf-From: uok.UUCP!vfoster   Jan 14 21:35:00 1986

I have been having problems with a graphics program on my Apple //e
which uses a shape table. The program's length is such that it spills
into the region of memory for HGR graphics, causing lines to appear
that shouldn't be there (also erasing the last portion of the program).
The shape tables are stored in the HGR2 region of memory (which resides

just above the HGR region). How can I, through machine language, basic,
or whatever, move the starting point of the free memory above these
graphics pages. This would be a godsend in freeing up enough memory
to get my program back on it's feet.
                  HELP! HELP!...please.
                  vlf
                  "babyface"

From 501987451867170833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7aa4ca9cb2fbc57e
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,7aa4ca9cb2fbc57e
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1986-01-15 12:15:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ism780c.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!lll-crg!ucdavis!ucbvax!decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!
ism780c!tim
From: tim@ism780c.UUCP (Tim Smith)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Re: When is the January Apple Stockholder's meeting???
Message-ID: <256@ism780c.UUCP>
Date: Wed, 15-Jan-86 15:15:58 EST
Article-I.D.: ism780c.256
Posted: Wed Jan 15 15:15:58 1986
Date-Received: Sat, 18-Jan-86 07:04:44 EST
References: <185@gt-oscar.UUCP> <254@ism780c.UUCP>
Reply-To: tim@ism780c.UUCP (Tim Smith)
Organization: Interactive Systems Corp., Santa Monica, CA
Lines: 14
Keywords: January Apple IIx meeting question
Xref: watmath net.micro.apple:2466 net.micro.mac:4126

>In article <185@gt-oscar.UUCP> rodney@gt-oscar.UUCP (RODNEY RICKS) writes:
>
>   I would like to know the date of the Apple January stockholder's
>meeting. I have heard that the IIx may be officially announced at that
>time.

I don't remember the date, but here is some other info I do remember:

There are going to be product announcements about a week before the
stockholder's meeting. MAUG(tm) has arranged to be at both the product
announcements and the stockholder's meeting with a modem and someone
reporting live to a conference on Compuserve what is going on.
--
Tim Smith   sdcrdcf!ism780c!tim || ima!ism780!tim || ihnp4!cithep!tim

From -4413872253550328420

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6103406644c6b2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-15 16:31:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site topaz.RUTGERS.EDU
Path: utzoo!decvax!decwrl!amdcad!lll-crg!caip!topaz!friedman
From: friedman@topaz.RUTGERS.EDU (-Gadi)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-res graphics, confirmation
Message-ID: <4330@topaz.RUTGERS.EDU>
Date: Wed, 15-Jan-86 19:31:19 EST
Article-I.D.: topaz.4330
Posted: Wed Jan 15 19:31:19 1986
Date-Received: Fri, 17-Jan-86 00:13:29 EST
References: <777@alberta.UUCP>
Distribution: na
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 7

There is a mother board revision that is later that B.
I don't remember the number, but it was higher than that
of the revision B and the letter was 'A'. The computer itself
bought as an enhanced iie, not upgraded by the user.

-Gadi
friedman@topaz.uucp

From -1468736463713493098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,c08c6582f76962ed,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 11d346,c08c6582f76962ed,start
X-Google-Attributes: gid11d346,public
X-Google-Thread: 1622d3,c08c6582f76962ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-16 12:27:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site wjh12.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!panda!talcott!
wjh12!don
From: don@wjh12.UUCP (Donald Ostrowski)
Newsgroups: net.micro.att,net.micro.pc,net.micro.apple
Subject: 6300 Plus and Apple Laserwriter
Message-ID: <664@wjh12.UUCP>
Date: Thu, 16-Jan-86 15:27:55 EST
Article-I.D.: wjh12.664
Posted: Thu Jan 16 15:27:55 1986
Date-Received: Sat, 18-Jan-86 00:43:39 EST
Organization: Psychology & Social Relations Dept, Harvard U., Camb. MA
Lines: 8
Keywords: 6300+ Laserwriter

Xref: watmath net.micro.att:815 net.micro.pc:6552 net.micro.apple:2463

Does anyone know if the 6300 Plus will support the
Apple Laserwriter? If so, what hardware is needed?

--
Cambridge Don
Harvard University
Russian Review
harvard!wjh12!don

From -4799205243451258365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76de9889a3d1cb40,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-17 08:06:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site homxb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!homxb!tlpmp
From: tlpmp@homxb.UUCP (Penrod)
Newsgroups: net.micro.apple
Subject: Loading Copy Protected Software on the Sider
Message-ID: <1134@homxb.UUCP>
Date: Fri, 17-Jan-86 11:06:42 EST
Article-I.D.: homxb.1134
Posted: Fri Jan 17 11:06:42 1986
Date-Received: Sat, 18-Jan-86 07:18:19 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 16

We've just puchased a IIe system for our church with a 10Mb Sider
and a 512K RAMWORKS card. The software we purchsed includes
Print Shop and Dollars & $ense. My question is how do I
load these programs onto the Sider? If a regular copy
program like Copy II+ 5.(whatever) can do it, what partition
do I use for each applications program? (CPM-I don't thinkkso, ProDos-maybe,
DOS-maybe, Pascal-maybe for $s & $ense). This doesn't seem
to be an unreasonable thing to want to do, nor should it be
illegal. If it is illegal, let me know since it is for a church and
we wouldn't want to do anything against the law. I also
wonder about future protected software purchases which we haven't
identifed a need for yet. Any guidance would be
appreciated.

Terry Penrod
AT&T Netwrok Systems

From 8611031108526682131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ff90ea296bbc6aa,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-01-18 23:05:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: unknown; site unknown
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!sdcrdcf!hplabs!
pesnta!pyramid!ut-sally!seismo!lll-crg!well!kjb
From: kjb@well.UUCP (Kevin J. Burnett)
Newsgroups: net.micro.apple
Subject: ASCII Express/Terminal Emulation
Message-ID: <509@well.UUCP>
Date: Sun, 19-Jan-86 02:05:46 EST
Article-I.D.: well.509
Posted: Sun Jan 19 02:05:46 1986
Date-Received: Tue, 21-Jan-86 06:58:48 EST
Organization: Whole Earth Lectronic Link, Sausalito, CA
Lines: 6

I have discovered, while using AE, that when you pick a terminal emulation, you should use the U)pdate from current Macro from the Create/ Edit macros menu after selecting the terminal. I don't remember seeing anything about this in the manual, but that's neither here nor there. So, you might try that.

From -8256915731522354166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6103406644c6b2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-19 08:46:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site hropus.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hropus!jrw
From: jrw@hropus.UUCP (James R. Webb)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-res graphics, confirmation
Message-ID: <219@hropus.UUCP>
Date: Sun, 19-Jan-86 11:46:13 EST
Article-I.D.: hropus.219
Posted: Sun Jan 19 11:46:13 1986
Date-Received: Mon, 20-Jan-86 06:01:36 EST
References: <777@alberta.UUCP> <4330@topaz.RUTGERS.EDU>
Distribution: na
Organization: Bell Labs, Holmdel, NJ
Lines: 17

> There is a mother board revision that is later that B.
> I don't remember the number, but it was higher than that
> of the revision B and the letter was 'A'. The computer itself
> bought as an enhanced iie, not upgraded by the user.
>
> -Gadi
> friedman@topaz.uucp

Yes, Apple released an enhanced //e soon after the //c came on the
seen. This enhanced //e had the "mouse-text" characters in the
character ROM. I think it also got the //c's better interrupt support
as well, but I cannot be certain. The only real revision here was
the replacement of some ROM chips, so, those with older //e's can
upgrade to this revision by taking their computers back to their
dealer.
--
James R. Webb   ihnp4!houxm!hropus!jrw

From -1408902778354678420
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,c08c6582f76962ed
X-Google-Attributes: gid15517a,public
X-Google-Thread: 11d346,c08c6582f76962ed
X-Google-Attributes: gid11d346,public
X-Google-Thread: 1622d3,c08c6582f76962ed
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-19 16:56:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site kontron.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mhuxt!mhuxr!ulysses!allegra!mit-
eddie!genrad!decvax!decwrl!nsc!voder!kontron!cramer
From: cramer@kontron.UUCP (Clayton Cramer)
Newsgroups: net.micro.att,net.micro.pc,net.micro.apple
Subject: Re: 6300 Plus and Apple Laserwriter
Message-ID: <461@kontron.UUCP>
Date: Sun, 19-Jan-86 19:56:45 EST
Article-I.D.: kontron.461
Posted: Sun Jan 19 19:56:45 1986
Date-Received: Thu, 23-Jan-86 08:29:31 EST
References: <664@wjh12.UUCP>
Organization: Kontron Electronics, Irvine, CA
Lines: 20
Xref: watmath net.micro.att:834 net.micro.pc:6619 net.micro.apple:2472

> Does anyone know if the 6300 Plus will support the
> Apple Laserwriter? If so, what hardware is needed?
>
> --
> Cambridge Don
> Harvard University
> Russian Review
> harvard!wjh12!don

There's nothing special about the Apple LaserWriter. It will connect
through any RS-232C port. The problem is going to be software. The
LaserWriter uses PostScript, and there aren't a lot of software packages
out for MS-DOS computers that fully take advantage of the LaserWriter
capabilities. In addition, you will need a device driver for your
serial port that supports XON/XOFF protocol (PC-DOS 3.1 doesn't support
it). There's a company in Ann Arbor, MI called TextSet that sells a

PC-DOS compatible device driver to provide XON/XOFF support.

Now, if I only had the time to productize it and the money to advertise
it, I would tell to call me about my Epson to PostScript converter...

From 1518546604371709642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7f0fed01e94f8dae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-20 13:04:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxd.UUCP
Path: utzoo!decvax!bellcore!ulysses!mhuxr!mhuxd!res1
From: res1@mhuxd.UUCP (STEALEY)
Newsgroups: net.micro.apple
Subject: apple stockholders meeting
Message-ID: <4171@mhuxd.UUCP>
Date: Mon, 20-Jan-86 16:04:25 EST
Article-I.D.: mhuxd.4171
Posted: Mon Jan 20 16:04:25 1986
Date-Received: Tue, 21-Jan-86 02:34:12 EST
Distribution: na
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 1

The Apple stockholders meeting is January 29.

From -4770093811847846530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed6c0171f07df8c4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-20 18:40:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihwpt.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihwpt!rickw
From: rickw@ihwpt.UUCP (rick widen)
Newsgroups: net.micro.apple
Subject: Using AppleMouse with CP/M
Message-ID: <650@ihwpt.UUCP>
Date: Mon, 20-Jan-86 21:40:34 EST
Article-I.D.: ihwpt.650
Posted: Mon Jan 20 21:40:34 1986
Date-Received: Wed, 22-Jan-86 05:36:47 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 9

Does anyone have any information on getting an AppleMouse
card to run under CP/M 2.20. My Apple IIe system refuses

to boot CP/M if the AppleMouse card is present.

One more question. Assuming CP/M can be coaxed into
booting, does anyone have any tips on how to call 6502
routines from within CP/M programs?

From -7662008029352211532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c702208b6adf97b7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-21 09:20:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-vaxine!
fitzpatrick
From: fitzpatrick@vaxine.DEC
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution on the II
Message-ID: <604@decwrl.DEC.COM>
Date: Tue, 21-Jan-86 12:20:10 EST
Article-I.D.: decwrl.604
Posted: Tue Jan 21 12:20:10 1986
Date-Received: Thu, 23-Jan-86 20:57:22 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 45

Just to reiterate what's already been said by Vincent Foster, to use
double Hi-Res you need:

o Apple //e with revision 'B' motherboard.

o Apple Extended 80 column card with a jumper (supplied with card)
installed between the molex connectors.

If you can find them, the following issues of Softalk had articles on
double Hi-Res:

"Hi-Res Double Play"
by Don Worth
July, 1983

-A good overview of how the double hi-res display works and how
it differs from standard hi-res. Includes example Applesoft
programs to put the concepts to use.

"Applesoft Brushes for Double Hires"
by Peter Baum and Larry Roddenberry
September, 1983

-A more in-depth discussion of making use of DHR. Included is an assembly language listing to implement DHR versions of HPLOT graphics commands from Applesoft using the ampersand vector. (A friend of mine is customizing these routines for use in a NAPLPS implementation for the //.)

Beagle Brothers puts out a disk that does similar things with DHR, the name of it escapes me at the moment. Nice thing is that BB never copy protect or lock up their disks, so you can look at every file to see how it ticks.

Dave FitzPatrick

...decvax!decwrl!dec-rhea!dec-vaxine!fitzpatrick

on BIX: B-mail to dave.f
(co-moderator, leisure conference)

From 3210383715476358503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12eaa7,c9b51e74c8e0188c,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 15e263,c9b51e74c8e0188c,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 129c11,c9b51e74c8e0188c,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,c9b51e74c8e0188c,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 15517a,c9b51e74c8e0188c,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,c9b51e74c8e0188c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-21 12:29:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site houxm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hom
From: hom@houxm.UUCP (H.MORRIS)
Newsgroups:
net.micro,net.micro.trs-80,net.micro.cpm,net.micro.apple,net.micro.pc,net.wanted
Subject: WANTED: Computers for use by Youth at Risk Program
Message-ID: <1350@houxm.UUCP>
Date: Tue, 21-Jan-86 15:29:27 EST
Article-I.D.: houxm.1350
Posted: Tue Jan 21 15:29:27 1986
Date-Received: Thu, 23-Jan-86 20:15:32 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 18
Xref: watmath net.micro:13562 net.micro.trs-80:557 net.micro.cpm:5136
net.micro.apple:2473 net.micro.pc:6622 net.wanted:7980

***
I am looking for one or more computers for educational and/or office administrative
purposes for an organization which works with teenagers including those with serious criminal records, and has an excellant record for providing them with a means for getting on a constructive path in life. There are several offices, in New York, Boston, San Francisco, Los Angelos, and my own group in New Jersey, any of which could use a system for administrative purposes. Something IBM compatible (even Sanyo 555) would be ideal, or next best would be any thing that will run WordStar. Also a serial printer is needed. Also, in New York at least, various volunteers are very interested in setting up computers where they can be used to instruct the teens who are in the follow through program.

If you live far away, I'm sure a means can be found to pay shipping.
Thank you for your time
Hal Morris
houxm!hom
201-949-4720

From 3281380469102079209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,96886ec851752ff9,start
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 1622d3,96886ec851752ff9,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,96886ec851752ff9,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1986-01-21 16:14:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ptsfa.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!amdcad!lll-crg!lll-lcc!dual!ptsfa!ssl
From: ssl@ptsfa.UUCP (Sam Lok)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: VT100 emulation for Apple II c/e
Message-ID: <1117@ptsfa.UUCP>
Date: Tue, 21-Jan-86 19:14:21 EST
Article-I.D.: ptsfa.1117
Posted: Tue Jan 21 19:14:21 1986
Date-Received: Thu, 23-Jan-86 21:14:25 EST
Organization: Pacific * Bell, San Francisco
Lines: 8
Keywords: vt100
Xref: watmath net.micro.apple:2475 net.wanted:7988 net.wanted.sources:1763

Does anybody knows any public domain or commercial software
that do VT100 emulation on a Apple II e/c? Any info will be
deeply appreciated. Please response by mail!

Thanx!

{ihnp4, dual, qantel}!ptsfa!ssl

From 6932698699769310003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6103406644c6b2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-21 19:06:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!decvax!linus!philabs!ttidca!ttidcc!paulb
From: paulb@ttidcc.UUCP (Paul Blumstein)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-res graphics, confirmation
Message-ID: <107@ttidcc.UUCP>
Date: Tue, 21-Jan-86 22:06:35 EST
Article-I.D.: ttidcc.107
Posted: Tue Jan 21 22:06:35 1986
Date-Received: Fri, 24-Jan-86 02:26:43 EST
References: <777@alberta.UUCP> <4330@topaz.RUTGERS.EDU> <219@hropus.UUCP>
Reply-To: paulb@ttidcc.UUCP (Paul Blumstein)
Distribution: na
Organization: Transaction Technology, Inc. (CitiCorp), Santa Monica
Lines: 27
Summary:

>Yes, Apple released an enhanced //e soon after the //c came on the
>seen. This enhanced //e had the "mouse-text" characters in the
>character ROM. I think it also got the //c's better interrupt support
>as well, but I cannot be certain. The only real revision here was
>the replacement of some ROM chips, so, those with older //e's can
>upgrade to this revision by taking their computers back to their
>dealer.
>--
>James R. Webb   ihnp4!houxm!hropus!jrw

CAREFULL!!! If you upgrade, be aware that some of the older Apple
software may no longer work!!!! Currently, only Supercalc 3A requires
the upgrade. There is no good reason to upgrade--at least not yet.
If you want to experiment, hand the $70 over to your dealer & talk them
into giving you the upgrade kit (which includes instructions) instead
of letting them do it. Most/Many dealers will be happy to do it since
the $70 includes the labor. Your benefit: you get to keep your 6502
and the old ROM. This way, if your favorite program(s) stop working
you have a fallback. If the dealer does it, they are specifically
instructed not to give back the replaced parts!
--
-_-
Paul Blumstein   "I deny this reality!"
Citicorp/TTI   Doctor Who
3100 Ocean Park Blvd.

Santa Monica, CA 90405
(213) 450-9111   {philabs,randvax,trwrb,vortex}!ttidca!paulb

From -1040722938020051853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a23362a06dd3ed23,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 169ca9,a23362a06dd3ed23,start
X-Google-Attributes: gid169ca9,public
X-Google-Thread: 1622d3,a23362a06dd3ed23,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-22 11:58:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/3/85; site ukma.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!cbosgd!ukma!lee
From: lee@ukma.UUCP (Carl Lee)
Newsgroups: net.games.go,net.micro.apple,net.micro
Subject: Request for info on Go computer programs
Message-ID: <2561@ukma.UUCP>
Date: Wed, 22-Jan-86 14:58:10 EST
Article-I.D.: ukma.2561
Posted: Wed Jan 22 14:58:10 1986
Date-Received: Fri, 24-Jan-86 09:25:30 EST
Followup-To: net.games.go
Organization: U of Kentucky, Mathematical Sciences, Lexington KY
Lines: 12
Keywords: Go micro apple
Xref: watmath net.games.go:248 net.micro.apple:2479 net.micro:13579

I would like to know what computer programs (if any) are available for
learning or playing Go on microcomputers, particularly on the Apple II+
or Apple IIe.

Please post your response to net.games.go, or write to:

Carl W. Lee
Department of Mathematics
University of Kentucky
Lexington, KY 40506

Thanks. I can also be reached by electronic mail here, but don't know yet what
information I need to provide other than my login name "lee". Sorry.

From 4487317780262655342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed6c0171f07df8c4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-22 13:55:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!aer

From: aer@alice.UucP (D. Rosenberg)
Newsgroups: net.micro.apple
Subject: Re: Using AppleMouse with CP/M
Message-ID: <4856@alice.UUCP>
Date: Wed, 22-Jan-86 16:55:58 EST
Article-I.D.: alice.4856
Posted: Wed Jan 22 16:55:58 1986
Date-Received: Thu, 23-Jan-86 21:45:32 EST
References: <650@ihwpt.UUCP>
Organization: Bell Labs, Murray Hill
Lines: 23

(Note: this is also good for running CP/M with a Mockingboard, a Mockingboard with a mouse, or whatever.)

Priorities:
Try to keep the CP/M card in slot 4 all the time, even if, without anything else but a disk controller, it'll work in 7 or 5 or whatever. The CP/M loader looks at slot 4 first, finds something that might be a CP/M board (even if it's a Mockingboard or a mouse controller) and tried to load into that. Your mouse and you Mockingboard don't know what to do with Z80 opcodes. So, in this case, CP/M card in slot 4, mouse card in slot 7 would bring about best results.

Most all decent mouse using programs will search through the slots until it find the mouse card, which has the correct identification bytes. Check out the programmer's part of your mouse manual- or, if you don't have it, get the Mouse Programmer's Manual from your authorized Apple dealer. There are examples of programming and searching for the mouse in different neat ways.
d

--
##
#D. Rosenberg "Disclaimer: I'd never want to hurt anyone with My Opinions"
#(..{ihnp4,research,allegra}!alice!aer)

From -1968010371688461305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93cd4ea140a92abc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-22 20:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
okstate.UUCP!uok.UUCP!vfoster
From: vfoster@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <4500024@uok.UUCP>
Date: Wed, 22-Jan-86 23:55:00 EST
Article-I.D.: uok.4500024
Posted: Wed Jan 22 23:55:00 1986

Date-Received: Sat, 25-Jan-86 09:08:36 EST
References: <4500022@uok.UUCP>
Lines: 2
Nf-ID: #R:uok.UUCP:4500022:uok.UUCP:4500024:000:50
Nf-From: uok.UUCP!vfoster   Jan 22 22:55:00 1986

this is vincent. writing to himself. this is bad.

From 1686375963941561217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c702208b6adf97b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-23 07:45:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 7/26/84) 6/24/83; site druhi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!drutx!druhi!des
From: des@druhi.UUCP (SalyerDE)
Newsgroups: net.micro.apple
Subject: Re: Double Hi-Resolution on the II
Message-ID: <168@druhi.UUCP>
Date: Thu, 23-Jan-86 10:45:12 EST
Article-I.D.: druhi.168
Posted: Thu Jan 23 10:45:12 1986
Date-Received: Fri, 24-Jan-86 21:42:20 EST
References: <604@decwrl.DEC.COM>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 33

    The Beagle Brothers package that uses Double Hi-Res Graphics is called 'Beagle Graphics' and I highly recommend it. It adds about 30 '&' commands for both Double Hi-Res and Lo-Res, including draw and fill commands, and load and save commands. The package also includes a drawing program (I personally like another better), and utilities for converting normal Hi-(Lo-)Res pictures to a Double format. It also includes a slide show program, and DHGR compress program.

    For printing out your DHGR and DGR pictures, you need Beagle Brothers 'Triple Dump' package. This supports many printers and interfaces, and allows cropping and zoom effects, and the printing of text screens and regular graphics as well. It also supports some color printers.

    The BEST Drawing Program (in my opinion) for DHGR is 'Dazzle Draw'. It turns your Apple //e into a Color Macintosh! It really is fabulous, even though it is slightly copy-protected, and uses Prodos (which I'm still uncomfortable using). But you can use either the keyboard, paddles, joystick, mouse(my favorite), or graphics tablet. You get a dazzling array of colors, brushes, patterns, spray paint, flood fill, free-hand, lettering, and an assortment of other little tricks. And the handiest command - UNDO! A program well worth

the money, it will make an artist out of anyone who wants to take the
time - this tool is all you need!

     Real Life: Dale Salyer (Programmer)
     E-Mail Address: ihnp4!druhi!des
     U.S. Mail: AT&T Info. Systems Laboratories
               Rm. 8Z326
               Denver, CO 80229
               (303) - 538-4907

From 4760340537762786578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f82e063a2f052cb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-23 08:30:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucdavis.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax.berkeley.edu!ucdavis!deneb!cccjack
From: cccjack@ucdavis.UUCP (Jack Ogawa)
Newsgroups: net.micro.apple
Subject: VT100 emulation
Message-ID: <72@ucdavis.UUCP>
Date: Thu, 23-Jan-86 11:30:20 EST
Article-I.D.: ucdavis.72
Posted: Thu Jan 23 11:30:20 1986
Date-Received: Sat, 25-Jan-86 03:42:36 EST
Distribution: net
Organization: University of California, Davis
Lines: 15

I would also like to hear of public domain software that
give vt100 term emulation. If possible, please post replies to
the net, also!

--

==========

--> Jack Ogawa
---> Univ. of Calif., Davis
----> ...{ucbvax,lll-crg,dual}!ucdavis!deneb!ccs018
-----> ...ucdavis!deneb!ccs018@ucb-vax.arpa

"She was naked, I seen it!"
"Yeah, right."

From -5002374132947188930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93cd4ea140a92abc
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1986-01-23 12:38:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!brl-tgr!nlm-mcs!nlm-vax!moore
From: moore@nlm-vax.UUCP
Newsgroups: net.micro.apple
Subject: Re: MEMORY MOVE ABOVE HGR2--
Message-ID: <1981@nlm-vax.ARPA>
Date: Thu, 23-Jan-86 15:38:46 EST
Article-I.D.: nlm-vax.1981
Posted: Thu Jan 23 15:38:46 1986
Date-Received: Sun, 26-Jan-86 05:47:47 EST
References: <4500022@uok.UUCP>
Organization: NLM/LHNCBC, Bethesda, Md.
Lines: 19

>
> I have been having problems with a graphics program on my Apple //e
> which uses a shape table. The program's length is such that it spills
> into the region of memory for HGR graphics, causing lines to appear
> that shouldn't be there (also erasing the last portion of the program).
> The shape tables are stored in the HGR2 region of memory (which resides
> just above the HGR region). How can I, through machine language, basic,
> or whatever, move the starting point of the free memory above these
> graphics pages. This would be a godsend in freeing up enough memory
> to get my program back on it's feet.
>   HELP! HELP!...please.
>   vlf
>   "babyface"

Beagle Bros., Inc. has a multi-utility disk called SILICON SALAD.
on this diskette is a program called 'program splitter'. i believe this
program will solve your problems...Beagle Bros. is located in San Diego, CA
and their number is 619-296-6400, but I'm sure a local computer store could
get it for you.

From -4604541017767898629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96886ec851752ff9
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,96886ec851752ff9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 120a1f,96886ec851752ff9
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1986-01-23 13:40:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc3!sdcc6!ix742
From: ix742@sdcc6.UUCP (James Hayes)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Re: VT100 emulation for Apple II c/e

Message-ID: <2394@sdcc6.UUCP>
Date: Thu, 23-Jan-86 16:40:11 EST
Article-I.D.: sdcc6.2394
Posted: Thu Jan 23 16:40:11 1986
Date-Received: Sat, 25-Jan-86 08:34:01 EST
References: <1117@ptsfa.UUCP>
Reply-To: ix742@sdcc6.UUCP (James Hayes)
Distribution: net
Organization: UC San Diego EE/CS Department.
Lines: 7
Keywords: vt100
Xref: watmath net.micro.apple:2484 net.wanted:8003 net.wanted.sources:1780

ssl@ptsfa.UUCP (Sam Lok) writes in article <1117@ptsfa.UUCP>:

>Does anybody knows any public domain or commercial software
>that do VT100 emulation on a Apple II e/c? Any info will be
>deeply appreciated.

Beta-testing. Will be out soon. Real soon. (for //e with Super Serial, and //c)

From -2483045283847327404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d2b91516ce604a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-23 18:23:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site iham1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!iham1!jsk
From: jsk@iham1.UUCP (Jim Kent)
Newsgroups: net.micro.apple
Subject: RAMWORKS query
Message-ID: <505@iham1.UUCP>
Date: Thu, 23-Jan-86 21:23:40 EST
Article-I.D.: iham1.505
Posted: Thu Jan 23 21:23:40 1986
Date-Received: Fri, 24-Jan-86 22:07:46 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 14

[]
I have an apple //e with 64K. I am considering the purchase of the
RAMWORKS expansion card. Any advice?
Does this card live up to its advertising?
Any known capatibility problems?
What type memory chips are used?
Any power or heat problems?
etc.

I would like to hear from anyone with experience using this card.

Thanks,
Jim Kent ..ihnp4!iham1!jsk

From -6728826950711289370
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed6c0171f07df8c4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-24 05:44:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: net.micro.apple
Subject: Re: Using AppleMouse with CP/M
Message-ID: <1233@ihuxp.UUCP>
Date: Fri, 24-Jan-86 08:44:34 EST
Article-I.D.: ihuxp.1233
Posted: Fri Jan 24 08:44:34 1986
Date-Received: Sat, 25-Jan-86 08:06:12 EST
References: <650@ihwpt.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 25

>
>
> Does anyone have any information on getting an AppleMouse
> card to run under CP/M 2.20. My Apple IIe system refuses
> to boot CP/M if the AppleMouse card is present.
>
> One more question. Assuming CP/M can be coaxed into
> booting, does anyone have any tips on how to call 6502
> routines from within CP/M programs?

I am assuming that you are using the original Microsoft CPM(tm)
card.

The AppleMouse card works fine with the PCPI Appli-Card(tm). Also,
I have developed some routines for reading and writing 6502
memory from the Appli-Card [i.e., peek65(addr) and poke65(addr, value)].
These are Turbo Pascal routines. I`ll be glad to share them if
anyone is interested in them (I am working on other low-level I/O
routines between the Apple and the Appli-Card).
--

George V. Wilder

ihnp4!ihuxp!gvw1

From -5344275789577475369

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f57e70d5cceb0459,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-07 09:08:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site teddy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!teddy!awr
From: awr@teddy.UUCP
Newsgroups: net.micro.apple
Subject: Misc. questions
Message-ID: <2072@teddy.UUCP>
Date: Fri, 7-Feb-86 12:08:51 EST
Article-I.D.: teddy.2072
Posted: Fri Feb 7 12:08:51 1986
Date-Received: Tue, 11-Feb-86 03:44:41 EST
Reply-To: awr@teddy.UUCP (Andrew W. Rogers)
Distribution: net
Organization: GenRad, Inc., Concord, Mass.
Lines: 15
Summary:

Some friends of mine (w/o USENET access) have questions about the Apple //.
I promised to help out by posting them:

1) Is a remote keyboard available for the //+ ?

2) They want to use their Apples in a "cold room" where the ambient
   temperature is about 40F. I think that's way too cold; does anyone
   have a pointer to the exact environmental specifications for operation?

3) Is a good flatbed plotter (drivable from Applesoft/UCSD Pascal) available
   for under $1000 or so?

Thanks for your help. Reply to me, and I will forward the messages.

Andrew W. Rogers

From 4197074975052100167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-07 09:11:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: There's no net.sources.//e
Message-ID: <2bcd8de2.7005@apollo.uucp>
Date: Fri, 7-Feb-86 12:11:04 EST
Article-I.D.: apollo.2bcd8de2.7005
Posted: Fri Feb 7 12:11:04 1986

Date-Received: Wed, 12-Feb-86 21:39:54 EST
References: <6859@duke.UUCP> <2443@reed.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Organization: Apollo Computer Inc., Chelmsford MA
Lines: 24
Summary:

In article <2443@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
> In article <6859@duke.UUCP> cds@duke.UUCP (Craig D. Singer) writes:
> >public domain Macintosh software. Why isn't there such a thing for the
> >Apple //+ - //e - //c owners? And since there isn't one, how do we go about
>
>   Yeah! How about it? Is anyone interested in putting together say
> a moderated groop like mod.sources.//e or something that would have

The answer to this is really quite simple. If people start posting enough
software concerning only Apples, then we can petition to start a newsgroup.
However the volume is necessary before the group can be created. So if
you have something to send, send it to net.sources or mod.sources. The
more the merrier.
                                                -kee

--
This little pig built a spaceship,
    This little pig paid the bill;
This little pig made isotopes,
    This little pig ate a pill;
And this little pig did nothing at all,
    But he's just a little pig still.

                - The Space Child's Mother Goose

From 8634052292738962303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bee435a5fce63430,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-08 13:04:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdragon.UUCP
Path: utzoo!watmath!watnot!watdragon!cjsgro
From: cjsgro@watdragon.UUCP (Carlo Sgro)
Newsgroups: net.micro.apple
Subject: Z-80 Card Query
Message-ID: <344@watdragon.UUCP>
Date: Sat, 8-Feb-86 16:04:51 EST
Article-I.D.: watdrago.344
Posted: Sat Feb 8 16:04:51 1986
Date-Received: Sun, 9-Feb-86 05:38:07 EST
Reply-To: cjsgro@watdragon.UUCP (Carlo Sgro)
Organization: U of Waterloo, Ontario
Lines: 4

Is there any restriction to which slot I can put my Z-80 card in? Currently, I have slots 4, 5, and 7 open (80 column card in #3, disk controller in #6, and serial card in #2).

From -6103553950621131384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1e491d9fd8e2ea8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-09 19:29:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!seismo!brl-smoke!gwyn
From: gwyn@brl-smoke.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Putting a 65C02 cpu in an Apple II+
Message-ID: <793@brl-smoke.ARPA>
Date: Sun, 9-Feb-86 22:29:20 EST
Article-I.D.: brl-smok.793
Posted: Sun Feb 9 22:29:20 1986
Date-Received: Wed, 12-Feb-86 07:35:32 EST
References: <511@isucs1.UUCP>
Reply-To: gwyn@brl.ARPA
Organization: /usr/local/lib/news/organization
Lines: 15

>The only assemblers that I know of that support the extended instructions
>of the 65C02 are ORCA/M by the BitWorks, Merlin by Roger Wagner publishing,
>Big Mac, by A.P.P.L.E. (the user group) None of these run under Pascal...
>
>I also assume that you mean Apple Pascal 1.2.... as far as I know the most
>recent version of Apple Pascal is 1.3, which runs under ProDOS, perhaps this
>version with the ProDOS version of ORCA/M (an _awesome_ assembler) would
>solve your problem.

Manx's Aztec C65 for ProDOS includes an assembler that handles 65C02 instructions, although it is not as fancy as assemblers intended for direct assembly-language programming. (On the other hand, with C available, one uses assembly language less often.) I am glad to hear that Apple Pascal now runs under ProDOS; three OSes for the Apple][was a bit excessive.

From -231937286061643506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,e1bb3a1542d3a9b9
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-09 20:53:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!

tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: 6502 assemblers
Message-ID: <2477@reed.UUCP>
Date: Sun, 9-Feb-86 23:53:41 EST
Article-I.D.: reed.2477
Posted: Sun Feb 9 23:53:41 1986
Date-Received: Wed, 12-Feb-86 06:47:50 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP> <926@nmtvax.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 30
Xref: watmath net.wanted:8137 net.micro.apple:2540

In article <926@nmtvax.UUCP> kenyon@nmtvax.UUCP (Robert Kenyon) writes:
>> About assemblers, I particularly like Merlin, and look forward to
>>it's full screen editor. I can use text files and edit with
>
>I own a copy of merlin (an older version). I have never found a full
>screen editor. Maybe it's just too old.
>
>Robert Kenyon
>...unmvax!nmtvax!kenyon

    Here's an update to my previous posting. Merlin Pro now has a full screen editor (I'm have it and it works great.). If you have an old version of Merlin and also have a //e or //c, you can upgrade to Merlin Pro for about $30-$35. I'm not sure how much, nor if the upgrade includes the full screen editor. Just send in your front inside cover of you manual. Call them to find out exact prices etc. The number is right below the address on that page.

    Another note. Apple Assembly Line is the magazine that is based on the S/C Assembler. I'm interested and would like to give this magazine a try. Could someone e-mail me their address? Thanks.

    Sean Kamath
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 5002177775093992956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4ca72f98137ddf55,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-09 21:20:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!pesnta!
hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: PD software
Message-ID: <2478@reed.UUCP>
Date: Mon, 10-Feb-86 00:20:45 EST
Article-I.D.: reed.2478
Posted: Mon Feb 10 00:20:45 1986
Date-Received: Wed, 12-Feb-86 07:40:37 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 27

Well, there seems to be at least a few people interested in posting PD
software. I can understand easily enogh how to post BASIC programs, but
what about ML programs? I suppose you could send the source file, but
that might not be possible either from the fact it's not available or
for a funny assembler. Come up with a good answer and I'm interested
(BASIC just isn't so hot anymore :-)). (I know Apple's but not to much
about VAX's & UN*X.)

For those of you that are interested in PD software, send me e-mail on
what you might be interested in. If and when I get enough answers I'll
post to the net. Possible things are disk zappers, file maintance,
graphics routine, ML number crunching routines, etc.

BTW: If we do get this going, I hope it doesn't turn into net.sources.
Man, those people are going crazy :-)

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -8410904487906030218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,fc7722cd7cc9d6f9
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,fc7722cd7cc9d6f9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-10 06:50:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site homxa.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!homxa!ksb
From: ksb@homxa.UUCP (K.BANDES)
Newsgroups: net.micro,net.micro.apple
Subject: Re: C for Apple][series
Message-ID: <1165@homxa.UUCP>
Date: Mon, 10-Feb-86 09:50:30 EST
Article-I.D.: homxa.1165
Posted: Mon Feb 10 09:50:30 1986
Date-Received: Wed, 12-Feb-86 06:06:15 EST
References: <686@brl-smoke.ARPA>
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 25
Xref: watmath net.micro:13758 net.micro.apple:2539

> I recommend Aztec C65 from Manx Software Systems

Me too!

> ..... You can
> supposedly also purchase cross-development Aztec C to run on
> systems such as UNIX, producing Apple II downloadable code.

I've used this product running on an IBM PC host,
with excellent results.
Both ends of a download program are included.

> Disclaimer: My only connection with Manx is as a happy user.

Likewise.

Ken Bandes
@ AT&T IS (for 2 more weeks)

"I started out on Burgundy, but soon hit the harder stuff
Everybody said they'd stand behind me when the game got rough
But the joke was on me, there was nobody even there to bluff
I'm going back to New York City, I do believe I've had enough"
Bob Dylan

From 3509812257700966187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1e491d9fd8e2ea8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-10 08:29:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!faubel
From: faubel@apollo.uucp (Ken Faubel)
Newsgroups: net.micro.apple
Subject: Re: Re: Putting a 65C02 cpu in an Apple II+
Message-ID: <2bdc7f77.4237@apollo.uucp>

Date: Mon, 10-Feb-86 11:29:56 EST
Article-I.D.: apollo.2bdc7f77.4237
Posted: Mon Feb 10 11:29:56 1986
Date-Received: Wed, 12-Feb-86 07:30:50 EST
References: <511@isucs1.UUCP>
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 27

> I also assume that you mean Apple Pascal 1.2.... as far as I know the most
> recent version of Apple Pascal is 1.3, which runs under ProDOS, perhaps this
> version with the ProDOS version of ORCA/M (an _awesome_ assembler) would
> solve your problem.

Please explain what you mean about Apple Pascal 1.3 running under ProDOS. I have Pascal 1.3 and although I have heard rumors suggesting that it is ProDOS based, I do not beleive it to be so. Pascal 1.3 is an upward compatable version for 1.2 and 1.1 and it still uses the UCSD P-system environment. I would have liked to see Pascal 1.3 running under ProDOS so that I could work in a more popular environment with access to lots of utilities. If I am missing something please let me know.

By the way, there is a C compiler for the Pascal environment. It is an implementation of the 'Small C Compiler' and it is available from Thunder Software in Houston, TX. It compiles C code into assembly code and from there it can be assembled and run. It has the advantage that routines can be written and linked to Pascal programs. (I think the C compiler is also available for Prodos). Although this company is small they seem to have some interesting stuff like an Appleworks like editor for Pascal.

--

Ken Faubel {yale,uw-beaver,decvax!wanginst}!apollo!faubel
Apollo Computer

From 2424255959393431386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161353a20fdf6ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-10 15:05:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!linus!philabs!cmcl2!harvard!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Apple][card cage

Message-ID: <298@ius2.cs.cmu.edu>
Date: Mon, 10-Feb-86 18:05:36 EST
Article-I.D.: ius2.298
Posted: Mon Feb 10 18:05:36 1986
Date-Received: Sun, 16-Feb-86 05:39:07 EST
References: <2b9faf7f.46b9@apollo.uucp> <293@ius2.cs.cmu.edu>
Organization: Carnegie-Mellon University, CS/RI
Lines: 24

I'd like to build an Apple][card cage, which will allow me to use
more than 7 (tho not at one time, of course) cards in the system.
This would also be a way to add cards to the Laser 128, which has
only one Aplle-compatible slot.

Presumably the box would work by turning off internal I/O address
decoding and putting the signals on the expansion bus. A separate power
supply would almost be a necessity.

Mountain Computer once made a box that did this, but it's capabilities
were somewhat limited. (A representative told me they were planning to
add features, but then IBM came onto the scene, and Mountain doesn't do
much Apple][-related work any more. I'm not sure this is even possible
with the LSI chips in the //e, does anyone know if this could work?
Does anyone out there have schematics for the Mountain box or a possible
design for a similar one?

--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)CMU-BUGS

From -8673604762055949773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1bb3a1542d3a9b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-10 15:48:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: 6502 assemblers (and a note on ProDos C)
Message-ID: <2bde0785.7005@apollo.uucp>
Date: Mon, 10-Feb-86 18:48:29 EST
Article-I.D.: apollo.2bde0785.7005
Posted: Mon Feb 10 18:48:29 1986
Date-Received: Wed, 12-Feb-86 21:40:12 EST
References: <1066@utcs.uucp> <4269@mhuxd.UUCP> <2419@reed.UUCP> <874@umn-cs.UUCP>
Reply-To: nazgul@apollo.UUCP (Kee Hinckley)
Organization: Apollo Computer Inc., Chelmsford MA

Lines: 67
Summary:

In article <874@umn-cs.UUCP> goldman@umn-cs.UUCP (Matthew D. Goldman) writes:
> In article <2419@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
> >
> > Another assembler that I have heard rave reviews about is the
> >Orca/m or somesuch. I understand that this not only supports the 65C02
> >(as does Merlin and the ProDOS assemblers), but that it will support the
> >Rockwell chip with it's bit manipulation opcodes and even the 65C816.
> >

ORCA/M supports the 6502, the 65C02 and the 65C816. In fact I think they
claim that their mneumnonics (sp?) were chosen as the standards for the
65C816.

>
> ORCA / M is a nice assembler, I don't really have a lot of information on
> is (my access to apple's stopped shortly after I purchased ORCA/M) but
> what I've read about it is really spiffy. The version I have only runs
> on 3.3 Dos; however they supply the **Source Code** so that you can
> recompile the assembler to meet your needs. They tell you to lock your
>

Both the DOS and ProDos versions will blow the doors off of most main-frame
assemblers in terms of capabilities. The macros are so powerful that you
could write a Basic interpreter in the macro language. It also comes with
tons of library routines for device independant graphics, access to prodos
mli calls and much more. They are also now sell a version of Small C that
can be compiled in the assembler envioronment (it comes with full source
code and documentation on what the routines do, all for $50). My only
complaint is that the documentation could use more examples, but otherwise
I highly reccommend it.

Now for the trailer.

I have a beta of the ProDos C compiler from Aztec. I haven't had a chance
to use it much yet (I've got a product I have to get out the door for the
Apple and I'm not going to switch compilers in mid-stream), but the
enviornment looks REALLY nice. They essentially have mini-bourne shell
and they have tons of UNIX library routines (including the ioctl calls
so you can write terminal emulators easily). It all looks really nice, but
(and this applies to ORCA to) it looks like it will really be best if you
have a large capacity disk drive. I do my C work with a 64K ram disk and
two normal drives and that is not enough. The new prodos compilers and
assemblers (ORCA and AZTEC) both have so many routines that you'd really
like to have them all online.

--

Kee Hinckley
...decvax!wanginst!apollo!nazgul

Simon the Walking Glitch was one of the principle sources of this vast new mythology of dread. He spent many weekends in New Y ork, hobnobbing with the literary intelligensia, and he was a master put-on artist. He had a way of dropping casual remarks in a mildly worried tone that carried conviction: 'The Beast keeps asking us to build a mate for it.' Or, with a kind of sad and resigned smile: 'I wish the Beast didn't have such a low opinion of human beings.' That sort of thing.

Simon kept this kind of demonology circulating because the idea that the computers were taking over was one that the programmers had a vested interest in reinforcing.

As long as people kept worrying that the machines were taking over, they wouldn't realize what was really happening.

Which was that the programmers were taking over.

Robert Anton Wilson
Schroedinger's Cat III

From -1917650783017140265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bee435a5fce63430
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-11 08:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxf
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxf!ldr335
From: ldr335@uiucuxf.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Z-80 Card Query
Message-ID: <9900008@uiucuxf>
Date: Tue, 11-Feb-86 11:59:00 EST
Article-I.D.: uiucuxf.9900008
Posted: Tue Feb 11 11:59:00 1986
Date-Received: Fri, 14-Feb-86 01:13:55 EST
References: <344@watdragon.UUCP>
Lines: 9
Nf-ID: #R:watdragon.UUCP:344:uiucuxf:9900008:000:412
Nf-From: uiucuxf.CSO.UIUC.EDU!ldr335 Feb 11 10:59:00 1986

I personally use slot #4 for my Z-80 card (a Franklin Z-80 card), and most of my friends who have other Z-80 cards also seem to use slot #4. It does not however matter what slot it is put into. I would suggest not using slot 7, as that is usually reserved for a second set of floppies or a hard disk.

ldr335@uiucuxf

If anyone has anything to add, add it

From -8912965276756783320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3645bea600fde670,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-11 12:14:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site hpspkla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!uw-beaver!tikal!
hplsla!hpspkla!andersen
From: andersen@hpspkla.UUCP (andersen)
Newsgroups: net.micro.apple
Subject: Apple II+ spreadsheets?
Message-ID: <11300001@hpspkla.UUCP>
Date: Tue, 11-Feb-86 15:14:00 EST
Article-I.D.: hpspkla.11300001
Posted: Tue Feb 11 15:14:00 1986
Date-Received: Sat, 15-Feb-86 03:08:10 EST
Lines: 26
Nf-ID: #N:hpspkla:11300001:000:1010
Nf-From: hpspkla!andersen   Feb 11 13:14:00 1986

Subject: Spreadsheet for Apple II+

What have you found useful as a general ledger that will work
on Apple II+ copies (it's just as good as .....)?

I have an old Visicalc which is ok but I would like to make
use of my 80-column card and have more flexibility in formatting
the thing for printing. For example, being able to set individual
column widths, displaying both upper and lower case.

I have discovered Multiplan can handle the column width requirement,
but not sure about the 80-column. Has anyone had experience with
this program, does it recognize the presence of the card and use
it? My uncertainty stems from not finding a salesman familiar with
an Apple II+ and the program in question and the manual does not
tell me (from my glancing through it for ~1 hour.)

Does Visicalc have a new and improved version which does what I
desire?

Or are there any public domain programs out there that I could get?

Brad Andersen (...!ihnp4!hpfcla!hpspkla!andersen)
Spokane, WA
(509)922-4001 x3570 work

From -5721216736327403471
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,f57e70d5cceb0459
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-11 20:00:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!well!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: Misc. questions
Message-ID: <229@ski.UUCP>
Date: Tue, 11-Feb-86 23:00:27 EST
Article-I.D.: ski.229
Posted: Tue Feb 11 23:00:27 1986
Date-Received: Fri, 14-Feb-86 05:51:07 EST
References: <2072@teddy.UUCP>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 18

> 2) They want to use their Apples in a "cold room" where the ambient
>   temperature is about 40F. I think that's way too cold; does anyone
>   have a pointer to the exact environmental specifications for operation?

Quoting from the Apple //e reference manual:

    Operating temperature: 30 to 115 deg. F
    Relative humidity: 5% to 85%
    Line voltage: 107 to 132 VAC
--
==
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
             {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -3063277448246444576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7ed67f42ac4aefd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-12 07:55:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!ittatc!dcdwest!sdcsvax!
sdcc3!sdcc6!loral!hlb
From: hlb@loral.UUCP
Newsgroups: net.micro.apple
Subject: Project management on Apple //
Message-ID: <1030@loral.UUCP>
Date: Wed, 12-Feb-86 10:55:13 EST
Article-I.D.: loral.1030

Posted: Wed Feb 12 10:55:13 1986
Date-Received: Sun, 16-Feb-86 04:29:58 EST
Lines: 8

I am looking for feedback on what programs are being used for
project planning, scheduling and control on an Apple ?

Specifically, I have a //e and Visischedule no longer works on it as
it requires just the 40-column screen only. Also, it is limited.

Anyother programs being used that are worthwhile. Please mail to
me andi I'll summarize. Thank you.

From 837684625757259063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c264ea69dc97401
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-12 09:21:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 (USS@Tek, v1.0) based on 4.3bsd-beta 6/6/85;
site dadla.UUCP
Path: utzoo!decvax!tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro.apple
Subject: Re: termcaps, emulation, and AE Pro. (LONG)
Message-ID: <568@dadla.UUCP>
Date: Wed, 12-Feb-86 12:21:46 EST
Article-I.D.: dadla.568
Posted: Wed Feb 12 12:21:46 1986
Date-Received: Fri, 14-Feb-86 00:30:40 EST
References: <1597@sphinx.UChicago.UUCP>
Distribution: na
Organization: Tektronix, Inc., Beaverton, OR
Lines: 88

In article <1597@sphinx.UChicago.UUCP>, ant3@sphinx.UChicago.UUCP (Butch Anton)
writes:
> Ok fellow netters, I know that this question has been asked
> about 1E30 times, but I don't ever remember a definitive answer
> being posted. So here it goes again:
>
> I have an Apple II+ and a Novation Apple Cat 212. I am using
> Ascii Express Pro. What I need to know is the following:
>
>   -How in the hell (please excuse the explative) do I make
>   this thing work with vi? Do I need one or more of the
>   following: special termcap def, different emulation
>   parameters (be specific as to which is in and which is
>   out), and/or a different/new computer?

Here is an updated article I posted previously concerning solutions to decent
terminal emulation on the Apple //e, some of which has been updated to

reflect terminal emulation for the II+ w/64K memory. All of the following comments result from my testing several programs to talk to a Vax running 4.2BSD Unix using vi.

Specifically about the above problem, try the SOROC termcap entry. See below for a discussion.

Subject: A Solution: 1200 baud vt52 or vt100 emulation (LONG)

Using Apple Access II (only works on IIe, //e, //c)

Hardware side:
There was one MAJOR hardware problem: NO WHERE IN THE ACCESS II DOCUMENTATION DOES IT MENTION THAT YOU MUST ENABLE INTERUPTS ON YOUR APPLE SUPER SERIAL CARD! I view this as a consequence of Apple's idea of documentation. After enabling interrupts, my Apple no longer lost characters (real improvement!).

Software Side:
Using Apple Access II, I modified my vt52 termcap by adding delays to three commands: 200ms delay to the cm (cursor movement) command, 200ms to the sr (scroll reverse) command, and 10ms to the ce (clear to end of line sequence) command. It may be that 200ms is overkill on the delays, but I haven't had time to tinker with exactly how much delay is required. I still have a problem with vt100 emulation, but I'm sure this can be solved with a few delays added to that termcap. I set up the Access II terminal characteristics to use vt52 mode, 8 bits per character (not sure this makes a difference), no LF after a CR, and NO wraparound (makes a difference with vi), all other settings were left at defaults.

Using Ascii Express Pro (versions available for DOS 3.3, Prodos, all Apples)

Another solution that works (but not quite as well) was to use Ascii Express Pro in Soroc emulation mode (a slightly enhanced ADM-3A). Unfortunately AE Pro does not do reverse scrolling on the Apple screen (which Access II does). Once again, you must enable interrupts on your serial card. A real plus to AE Pro is its ability to work with a large variety of serial cards - Access II ONLY works with the Apple Super Serial Card (but thats Apple for you). AE Pro is also easier to use with respect to setting up auto-logon command files - Access II requires a separate text editor ("Just use Appleworks" they say @#%$!!!). However, Access II is certainly easier to use right out of the box - if everything is configured of course! AE Pro comes in DOS 3.3 and Prodos versions. AE Pro works with all Apple II machines. With the Apple IIe, max baud rate is 4800 (possibly a problem).
Note that on the II+ you have to do funky things with interrupts, see the AE Pro manual.

Using Softerm 2c (versions available for all Apples)

If you really NEED vt100 emulation, the best solution is Softerm 2c
from a company called Softronics (versions are available for the II+
and II, but they use a slot for extra function keys). It is expensive
($195) but it includes an external shiftkey pad, GUARANTEES 100% vt100
emulation (30 day money back guarantee), and it WORKS! The phone # is
901-683-6850. It is available for all Apple II machines. Max baud
rate is 9600 baud. It has more features (I still haven't figured them all
out) than any other emulator program I have seen. It even has drivers for
clock cards (can have it record when you logged on/off I think), various
autodial modems, supports a phone book (just type in the name you want to
call and it extracts necessary info from a database you set up with another
support prog), and LOTS more. It even generates all the crazy escape
sequences one would get from the keypad on a vt100!

Feel free to email any questions to me, I'll reply as I can.

Good Luck!
Dale Call
tektronix!dadla!dcall

From -128434478946282854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ee3ada5cb884e87,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-13 11:01:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: need help with interrupts with a mousecard
Message-ID: <2492@reed.UUCP>
Date: Thu, 13-Feb-86 14:01:07 EST
Article-I.D.: reed.2492
Posted: Thu Feb 13 14:01:07 1986
Date-Received: Sat, 15-Feb-86 02:30:33 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 43

Hello networld.

I've been trying for some time now to generate interrupts with the mouse
in a //e. My problem seems not to be with generating the interrupt, nor
in handling it, but in quiting the interrupt routine. What I have is a
very simple scheme. I tell the mousecard to send an interrupt when the
mouse button is down. Then I increment a number on the screen. Easy,
no? Well, as soon as my interrupt routine gets called, numbers start
flashing on the screen at machine language rate. I know that what is

happenning is that my routine end with an RTI, but as soon as the RTI is cleared, the //e thinks that there is still an interrupt pending, and calls my routine again right away. I know this because My machine locks up. This doesn't happen on a //c. In fact, things are a LOT simpler on the //c for mouse programming, i.e. you don't have to load x with $Cn and y with $n0 (n being the slot #), you don't have to call initmouse, and the damn thing gives up the interrupt when it's done.

So, anyone out ther with experience with mousecard interrupts? Do I absolutely need to call servemouse after I get an interrupt? The //e Technical Reference Manuel states the my routine must clear the appropriate interrupt softswitch, but conveniently forgets to tell not only where the softswitches for interrupts are, but that they even exist. Does anyone know about these? Could perhaps someone send me a working source for interrupts on a //e w/mouse that doesn't "turn on" the mouse? You see, I don't want to have the mouse on. Do I have to?

Questions, question, questions. If I get it working I'd love to put out some PD interrupt software...

Thanks in advance

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 5368474783116036931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d48ce0232c733feb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-13 14:39:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!linus!philabs!cmcl2!
harvard!seismo!umcp-cs!aplcen!jhunix!ins_armr
From: ins_armr@jhunix.UUCP (Rudy M Rumohr)
Newsgroups: net.micro.apple
Subject: Re: There's no net.sources.//e
Message-ID: <1877@jhunix.UUCP>
Date: Thu, 13-Feb-86 17:39:37 EST
Article-I.D.: jhunix.1877
Posted: Thu Feb 13 17:39:37 1986
Date-Received: Sun, 16-Feb-86 05:14:11 EST
References: <6859@duke.UUCP> <2443@reed.UUCP> <2bcd8de2.7005@apollo.uucp>
Reply-To: ins_armr@jhunix.ARPA (Rudy M Rumohr)
Organization: Johns Hopkins Univ. Computing Ctr.

Lines: 27

>
>The answer to this is really quite simple. If people start posting enough
>software concerning only Apples, then we can petition to start a newsgroup.
>However the volume is necessary before the group can be created. So if
>you have something to send, send it to net.sources or mod.sources. The
>more the merrier.
>   -kee
>

Or, you could post sources here...some of us aren't fortunate enough to
receive net.sources or such....

--

Rudy Rumohr Jr.   3339 N. Charles St
                                                   Apartment 1-AL
UUCP: ihnp4!whuxcc!jhunix!ins_armr -or-   Baltimore, MD 21218
      seismo!umcp-cs!jhunix!ins_armr -or-
      allegra!hopkins!jhunix!ins_armr
ARPANET: ins_armr%jhunix.BITNET@wiscvm.ARPA

Necessity dictates the insertion of an appropriate disclamatory proclamation
into this section of this missive, both for assuredness of legality, and to
satisfy my lust for bombast.

"I've seen sex, and I think it's OK." -- Talking Heads

From -4341192799726947936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b48a8852bb9b422,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-14 07:55:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site mtgzy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!mtgzy!sts
From: sts@mtgzy.UUCP (s.l.talaricoswier)
Newsgroups: net.micro.apple
Subject: emulations for Apple 2c
Message-ID: <1594@mtgzy.UUCP>
Date: Fri, 14-Feb-86 10:55:56 EST
Article-I.D.: mtgzy.1594
Posted: Fri Feb 14 10:55:56 1986
Date-Received: Sat, 15-Feb-86 04:28:04 EST
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 22

I think I posted this request once before, but I didn't get
any response, so I'll try again.

I'm looking for an emulation package for an Apple 2c so that I
can use it on a Unix machine. There are several terminals
that I could use for the emulation. Among the more popular
are:
Teletype 5410
Teletype 4410
HP 2621
HP 2645
VT 52
VT 100

If you have any information as to where I might find one of
these emulations, please reply. Take note that I am not a
technical computer person, merely a technical writer trying to
use her PC to work at home. Thanks very much

Sandy Swier
ATTIS Middletown
mtgzy!sts

From -1575522465526045798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c264ea69dc97401
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-15 10:21:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucdcsb
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucdcsb!goldsten
From: goldsten@uiucdcsb.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: termcaps, emulation, and AE Pro.
Message-ID: <4600015@uiucdcsb>
Date: Sat, 15-Feb-86 13:21:00 EST
Article-I.D.: uiucdcsb.4600015
Posted: Sat Feb 15 13:21:00 1986
Date-Received: Mon, 17-Feb-86 04:57:57 EST
References: <1597@sphinx.UChicago.UUCP>
Lines: 6
Nf-ID: #R:sphinx.UChicago.UUCP:1597:uiucdcsb:4600015:000:315
Nf-From: uiucdcsb.CS.UIUC.EDU!goldsten   Feb 15 12:21:00 1986

I use a vt52 with AE and the only problems I have had are with
losing characters at 1200 baud. I get around this by doing a
stty nl2 and stty cr2 though this slows down the output. If
anyone has a better solution please tell me. Aside from that, the
vt52 option works fine. Arthur (no cute messages) Goldstein

From 1898092790542946859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15d207,e2b39d9e7775a8f1,start

X-Google-Attributes: gid15d207,public
X-Google-Thread: 1622d3,e2b39d9e7775a8f1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-15 13:04:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site bigburd.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!bigburd!paula
From: paula@bigburd.UUCP (Paula Matuszek)
Newsgroups: net.lang.prolog,net.micro.apple
Subject: Prolog for the Apple II+/e
Message-ID: <2102@bigburd.UUCP>
Date: Sat, 15-Feb-86 16:04:15 EST
Article-I.D.: bigburd.2102
Posted: Sat Feb 15 16:04:15 1986
Date-Received: Mon, 17-Feb-86 05:20:21 EST
Reply-To: burdvax!paula (Paula Matuszek)
Organization: System Development Corp., Paoli, Pa.
Lines: 18
Keywords: Apple II+/e
Xref: watmath net.lang.prolog:660 net.micro.apple:2559
Summary: Does anyone know anything about Prologs available for the Apple?

This summer I am involved in teaching a course in artificial
intelligence at a camp for gifted children, and I would like
to use Prolog for a part of it. Unfortunately, the only
computers available for the course are Apple II+/e s. Does
anyone have any information on versions of Prolog available
for one or both of these? I would be interested in information
on price, speed, ease of use, and anything else you think
might be useful.

Mail answers; I will summarize to the net.

Thank you very much.

Paula Matuszek, Logic-Based Systems,
System Development Corporation, a Burroughs Company

{sdcrdcf, psuvax1, presby, sjuvax}!burdvax!paula

From 1642981746656217226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3645bea600fde670
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-15 14:42:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sphinx.UChicago.UUCP
Path: utzoo!linus!decvax!bellcore!ulysses!mhuxr!mhuxt!houxm!ihnp4!gargoyle!sphinx!
god3
From: god3@sphinx.UChicago.UUCP (Peter Godwin)
Newsgroups: net.micro.apple

Subject: Re: Apple II+ spreadsheets?
Message-ID: <1658@sphinx.UChicago.UUCP>
Date: Sat, 15-Feb-86 17:42:39 EST
Article-I.D.: sphinx.1658
Posted: Sat Feb 15 17:42:39 1986
Date-Received: Sun, 16-Feb-86 09:10:19 EST
References: <11300001@hpspkla.UUCP>
Reply-To: god3@sphinx.UUCP (Peter Godwin)
Organization: University of Chicago Computation Center
Lines: 18
Summary:

Using an 80 column card with Visicalc is no problem if you have
the preboot for it. An Apple][+ computer can use the pre-boot
if the 80 col card is a Videoterm since Videx has had out a preboot
which allows for this. For other 80 column cards I suggest you
call the company and see what they have to say.

Peter Godwin
--
Peter Godwin
University of Chicago

    uucp: ...ihnp4!gargoyle!sphinx!god3
    mailnet: x9.xpg@UChicago.Mailnet
    bitnet: god3%sphinx@UChicago.Bitnet
    ARPA: x9.xpg%UChicago.Mailnet@MIT-Multics.ARPA
    USnail: Room 2322x
         5824 S. Kimbark Avenue   Home: 312-288-1816
         Chicago, IL 60637

From -2459873841642517346
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f57e70d5cceb0459
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-15 21:39:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!seismo!brl-smoke!gwyn
From: gwyn@brl-smoke.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Misc. questions
Message-ID: <981@brl-smoke.ARPA>
Date: Sun, 16-Feb-86 00:39:03 EST
Article-I.D.: brl-smok.981
Posted: Sun Feb 16 00:39:03 1986
Date-Received: Tue, 18-Feb-86 04:22:27 EST
References: <2072@teddy.UUCP> <229@ski.UUCP>
Reply-To: gwyn@brl.ARPA
Distribution: net
Organization: /usr/local/lib/news/organization
Lines: 13

>> 2) They want to use their Apples in a "cold room" where the ambient
>>   temperature is about 40F. I think that's way too cold; does anyone
>>   have a pointer to the exact environmental specifications for operation?
>
>Quoting from the Apple //e reference manual:
>
>   Operating temperature: 30 to 115 deg. F
>   Relative humidity: 5% to 85%
>   Line voltage: 107 to 132 VAC

But what are the specs for the disk drives, monitor, etc.?
Also, watch out for condensation on disks you remove from
the cold room.

From 2120262668539443767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,a0bcb5cef7983626,start
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 15f443,a0bcb5cef7983626,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,a0bcb5cef7983626,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-16 10:26:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!gordon
From: gordon@utcs.uucp (Steve Gordon - Erindale)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Sysline on an apple][? Bug with ASCII(7)?
Message-ID: <1103@utcs.uucp>
Date: Sun, 16-Feb-86 13:26:48 EST
Article-I.D.: utcs.1103
Posted: Sun Feb 16 13:26:48 1986
Date-Received: Sun, 16-Feb-86 13:27:01 EST
Distribution: net
Organization: University of Toronto - General Purpose UNIX
Lines: 30

>
>

Hello,

I have an Apple][+ running ASCII Express. I have a termcap that works fine
for vi, hack, rogue etc.. There is one problem though. The problem is
that when I receive a control-G followed by some text, I lose some of the
text! There seems to be no problem unless it is explicitly sent, by this I
mean echo "<control-G goes here>I do not see all of this echo".

Does anyone else have this problem?
Does anyone have a fix for this problem? (besides buying a "REAL" terminal)

Also:

Does anyone have a method for getting a sysline on an Apple][+ with ASCII?
(top or bottom line will do)

Thanks in advance

...Steve

PS. I am using an Apple][+
    ASCII Express
    Videx 80 col. card
    Apple Super Serial Card
    U.S. Robotics 1200 Baud modem
>
>

From 356369199828431722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,a8f5e87e7231ed82,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,a8f5e87e7231ed82,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-16 13:07:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site sol1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!sol1!
john
From: john@sol1.UUCP (john)
Newsgroups: net.micro.apple,net.wanted
Subject: Corvus 20 meg hard disk for sale
Message-ID: <425@sol1.UUCP>
Date: Sun, 16-Feb-86 16:07:08 EST
Article-I.D.: sol1.425
Posted: Sun Feb 16 16:07:08 1986
Date-Received: Mon, 17-Feb-86 06:16:26 EST
Reply-To: john@sol1.UUCP (John Korsmeyer)
Organization: THE SOLUTION, Lincoln, NE
Lines: 11
Xref: watmath net.micro.apple:2561 net.wanted:8177

We have 1 Corvus 20 meg hard disk drive with 3 Apple II interface cards
, mirror backup, and constellation multiplexor.

$995.00 obo

John Korsmeyer
akgua!sol1!john

P.S. We also have 2 non-working Apples. (E0 rom in both blown) that
we will let go for best offer. Also QUME sprint 5/45 daisy wheel printer.

From 612220559908874981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9364fcbaa53b338b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-17 18:47:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucla-cs.ARPA
Path: utzoo!decvax!decwrl!pyramid!hplabs!sdcrdcf!ucla-cs!acm
From: acm@ucla-cs.UUCP
Newsgroups: net.micro.apple
Subject: UCLA Microcomputer Faire 1986
Message-ID: <9063@ucla-cs.ARPA>
Date: Mon, 17-Feb-86 21:47:19 EST
Article-I.D.: ucla-cs.9063
Posted: Mon Feb 17 21:47:19 1986
Date-Received: Wed, 19-Feb-86 21:56:15 EST
Distribution: na
Organization: UCLA Computer Science Department
Lines: 93

As part of Engineers' Week, the UCLA Student Chapters of the ACM and the IEEE will be hosting the UCLA Microcomputer Faire 1986. To be held in the John Wooden Center on Wednesday, April 16th, the Faire provides both access to a large group of interested students, faculty, and staff, as well as exposure to the future users and purchasers of microcomputer systems and components. At the present time, the Microcomputer Faire Organizing Committee is in the process of inviting companies that have products in the following areas:

1. Complete Systems:
   - -Hardware and Software

2. Hardware Systems:
   - -Processors, etc.

3. Software Systems:
   - -Operating Systems
   - -Development Environments

4. Hardware Peripherals:
   - -Printers, plotters, hard copy devices
   - -Modems, communication devices
   - -Boards, cards, expansions units
   - -Disk drives, tape drives, secondary storage
   - -Mouses, tablets, digitizers
   - -Monitors, displays
   - -Miscellaneous

5. Software Packages:
   - -Games

-Languages
-Data bases
-Graphics
-Word Processing
-Text Formatting
-AI
-Engineering: CAD/CAE, simulation, etc.
-Spreadsheets (?)
-Business Applications
-Scientific
-Networking
-Miscellaneous

6. Microcomputer Magazines:
-End user oriented
-Industry magazines and newsletters (?)

7. Advanced Technologies:
-Optical CD ROM
-AI
-Networking (LAN's, micro-mainframe, etc)
-Distributed Architechtures
-RISC
-MISC

8. Miscellaneous:
-Miscellaneous

If there are any companies doing business in these areas that you think might benefit by attending the UCLA Microcomputer Faire and can show off their products to the next generation of computer system purchasers, we would appreciate it if you could send to us the name of the company, a representative's name and phone number, and the product(s) that they would like to demonstrate. (Such as products for the Apple, Apple][, Apple // e....) As well, we would be most grateful if you could show this to friends or acquaintances that are involved with microcomputers to ask for suggestions.

Thank you,

David Lee
Microcomputer Faire Chairman
UUCP: ...!{inhp4,trwspp,cepu,ucbvax,sdcrdcf}!ucla-cs!acm
ARPA: acm@LOCUS.UCLA.EDU
VOICE: (213) 825-7597

p.s. In previous years, we have only invited companies that manufactured general purpose systems and had audiences of 2000 in THREE hours. This year, with the expansion of the Faire to accomodate more companies, a registration fee of $100 will be charged to each company in attendance and the Faire will be 5 hours in length. Also, light breakfast, refreshments, a reception with deans and

professors, and possibly lunch will be available to the company representatives.

David Lee
UCLA ACM Chairman UUCP: ...!{inhp4,trwspp,cepu,ucbvax,sdcrdcf}!ucla-cs!acm
4801 Boelter Hall ARPA: acm@LOCUS.UCLA.EDU
UCLA VOICE: (213) 825-7597
Los Angeles, CA 90024

From 2302266545160138964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,40301e8fbe1c6f30,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,40301e8fbe1c6f30,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1986-02-18 07:00:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!linus!decvax!wanginst!apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.cpm,net.micro.apple
Subject: Downloading from CP/M in Apple II
Message-ID: <2c046b61.46b9@apollo.uucp>
Date: Tue, 18-Feb-86 10:00:45 EST
Article-I.D.: apollo.2c046b61.46b9
Posted: Tue Feb 18 10:00:45 1986
Date-Received: Wed, 19-Feb-86 20:22:00 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 10
Xref: linus net.micro.cpm:4917 net.micro.apple:2291

I have an Apple II+ with a CP/M card and am beginning to explore the world of public
domain software. I have been using ASCII EXPRESS from DOS then transfering the files
to CP/M format. The problem is this only works for text files. My question is: are there public domain packages that allow downloading direct from CP/M for the Apple?
Is there some way to get a copy on disk? I'll bet one or two exist in some of the databases I know, but if I can't download them......

-Any help will be appreciated-

From 4075639381670651448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd68bc89f295644,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-18 09:34:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP
Path: utzoo!linus!decvax!mcnc!duke!cds
From: cds@duke.UUCP (Craig D. Singer)
Newsgroups: net.micro.apple
Subject: Appleworks Question
Message-ID: <6933@duke.UUCP>
Date: Tue, 18-Feb-86 12:34:31 EST
Article-I.D.: duke.6933
Posted: Tue Feb 18 12:34:31 1986
Date-Received: Wed, 19-Feb-86 23:45:20 EST
Organization: Duke University
Lines: 61

Hello,
This question concerns the use of Appleworks on a //e with 128k and an Imagewriter Printer. What I would like to know is...is there a simple way of sending printer control characters to my Imagewriter *in the middle of* printing a word processor file? There are lots of good reasons for doing this, of which my main interest is to temporarily change the character set to a custom set which I have read into the printer's memory before booting up Appleworks. Usually, I want to print just one or a few custom characters and then return to the normal font. Things that don't work include:

1. Trying to insert control characters directly. Appleworks just beeps.
2. Using the "EK" (enter keyboard) command to make the printing pause. In the first place, even if this did work, it would be a royal pain to use, but in any case, you still can't enter nonprinting characters.
3. Probably any other direct command sequence in Appleworks.

Things that do work, but are so convoluted that I really wonder why I bother, include:

1. Using the part of custom character memory which occupies the low-value ASCII codes, I recreated the regular printing set of characters for all ASCII values which I use (alphanumerics, some punctuation) and then customized the keys I don't use to whatever characters I needed for that application. Then, I tell the printer (before booting up Appleworks) to print everything in the custom character font, which is mostly just the regular characters. This process is not actually that painful once the regular character set is recreated and stored in a file, but it severely limits the number of custom characters I can use in one session. Besides, this solution only takes care of custom characters, not other printint codes which one might want to turn on and off in the middle of a file.
2. Writing a utility that takes an Appleworks output file (sent to disk with the printer control characters) and replaces special characters that I don't generally use in the file (like "{" and "~") and rewrites them as sets of control characters which turn on and off the custom character set. This gives me the full range of custom characters I need but requires a second utility to take the text output of the first one and print it (since Appleworks won't print a

text file without first making it an Appleworks file, which causes escape sequences to become invisible). I have not actually tried this method but someone else has and says it works but, naturally, slows down the process of printing a file tremendously. I don't feel like writing the utilities, anyway.

What I'd really like to know is whether someone has found a sneaky, easy way to accomplish this goal, or if there is some cheap software which will work nicely with Appleworks and take care of the problem (by cheap I'm thinking of under $40 or so). I suppose I should just buy Applewriter, or any of a dozen other word processors which let one insert such characters, but I like a lot of the things Appleworks does and I've already bought it and used it extensively. Any suggestions? In any case, thanks for reading this long article!
--

Craig D. Singer, Dept. of Computer Science, Duke University
Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
CSNET: cds@duke UUCP: ...!decvax!duke!cds
ARPA: cds%duke@csnet-relay

From -398056221621942931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e9a6832a1870c509,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-19 05:07:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-nymgr!craparotta
From: craparotta@nymgr.DEC (Joe Crap)
Newsgroups: net.micro.apple
Subject: TERMINAL EMULATION....
Message-ID: <1228@decwrl.DEC.COM>
Date: Wed, 19-Feb-86 08:07:00 EST
Article-I.D.: decwrl.1228
Posted: Wed Feb 19 08:07:00 1986
Date-Received: Thu, 20-Feb-86 00:19:23 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 9

Hi All,

As far as terminal emulation goes SOFTERM II is still the best. It really works.... I've been using is for a yr as a VT100 to our VAX and haven't encountered ANY problems yet.

Regards
Joe Craparotta

DISCLAIMER--This is really a PAIN...but, The ABOVE opinions are mine alone..

ANdFREE.....

From 4220960839561965408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f57e70d5cceb0459
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-19 11:21:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!lll-crg!qantel!ptsfa!ski!dr
From: dr@ski.UUCP
Newsgroups: net.micro.apple
Subject: Re: Misc. questions
Message-ID: <231@ski.UUCP>
Date: Wed, 19-Feb-86 14:21:17 EST
Article-I.D.: ski.231
Posted: Wed Feb 19 14:21:17 1986
Date-Received: Fri, 21-Feb-86 07:13:55 EST
References: <2072@teddy.UUCP> <229@ski.UUCP> <981@brl-smoke.ARPA>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 31

> >> 2) They want to use their Apples in a "cold room" where the ambient
> >>   temperature is about 40F. I think that's way too cold; does anyone
> >>   have a pointer to the exact environmental specifications for operation?
> >
> >Quoting from the Apple //e reference manual:
> >
> > Operating temperature: 30 to 115 deg. F
> > Relative humidity: 5% to 85%
> > Line voltage: 107 to 132 VAC
>
> But what are the specs for the disk drives, monitor, etc.?
> Also, watch out for condensation on disks you remove from
> the cold room.

The Monitor II user's manual lists:

     operating temperature +5 C to +40 C.
     storage temperature -35 C to +60 C.

(The //e reference manual temps above translate to 0 C to +45 C.)

The Duodisk owner's manual has no specs.
--
==
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -7853041419636684743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9919a56ad550ea33,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-20 16:50:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!unmc!cs2532bn
From: cs2532bn@unmc.UUCP (Mr. Modem)
Newsgroups: net.micro.apple
Subject: Re: emulations for Apple 2c
Message-ID: <36@unmc.UUCP>
Date: Thu, 20-Feb-86 19:50:31 EST
Article-I.D.: unmc.36
Posted: Thu Feb 20 19:50:31 1986
Date-Received: Mon, 24-Feb-86 04:52:39 EST
Reply-To: cs2532bn@unmc.UUCP (Mr. Moronic)
Organization: Univ. of New Mexico, Albuquerque
Lines: 45

In article <> sts@mtgzy.UUCP (s.l.talaricoswier) writes:
>I'm looking for an emulation package for an Apple 2c so that I
>can use it on a Unix machine. There are several terminals
>that I could use for the emulation. Among the more popular
>are:
>Teletype 5410
>Teletype 4410
>HP 2621
>HP 2645
>VT 52
>VT 100
>
>Sandy Swier
>ATTIS Middletown
>mtgzy!sts

Softerm][, I know, supports vt100, 52, Hp2621, and some form of Teletype.
In fact, it is definitely the most advanced telecom program made for the
apple. It has a hardware mod that "enhances the keyboard" (i.e. protects
them from pirates...it's unprotected--yeah!) which adds 3 new <cntr> type keys
(hold one down while typing something else).

There is the new version made for 128K //'s (including the //c, natch)
that has the same hardware mod that connects to the paddle port, I believe.

The vt100 does not have AVO, nor the 132 col, even if you have an ultraterm
on a //e. Such it life . . . but I can't say I blame them.

Now for MY request. . . . I want a communications prog that uses double-

high res for the lettering, supports color, AVO on vt100's, and can draw things
such as Techtronix or GIGI terminals.

That'll mean you can play VTTrek!!!

...now if I can only get the specs for the keyboard enhancer, I'll be in the
front row....

Stefan Chakerian CIS: 74365,231
{ucbvax|pur-ee|csu-cs|convex|nmtvax|lanl} unmvax!unmc!cs2532bn

This is my girlfriend: ~.
Her name is Tilde.

From -2418025641722376398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,556441583a9540d,start
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 15f443,556441583a9540d,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,556441583a9540d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-20 16:55:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!unmc!cs2532bn
From: cs2532bn@unmc.UUCP (Mr. Modem)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Re: Sysline on an apple][? Bug with ASCII(7)?
Message-ID: <37@unmc.UUCP>
Date: Thu, 20-Feb-86 19:55:48 EST
Article-I.D.: unmc.37
Posted: Thu Feb 20 19:55:48 1986
Date-Received: Mon, 24-Feb-86 04:53:17 EST
Reply-To: cs2532bn@unmc.UUCP (Mr. Moronic)
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 43
Xref: linus net.micro.apple:2298 net.wanted:7559 net.wanted.sources:1973

In article <> gordon@utcs.uucp (Steve Gordon - Erindale) writes:
>
>I have an Apple][+ running ASCII Express. I have a termcap that works fine
>for vi, hack, rogue etc.. There is one problem though. The problem is
>that when I receive a control-G followed by some text, I lose some of the
>text! There seems to be no problem unless it is explicitly sent, by this I
>mean echo "<control-G goes here>I do not see all of this echo".
>
>Does anyone else have this problem?
>Does anyone have a fix for this problem? (besides buying a "REAL" terminal)
>

>Also:
>
>Does anyone have a method for getting a sysline on an Apple][+ with ASCII?
>(top or bottom line will do)
>
>Thanks in advance
>
>...Steve
>
>PS. I am using an Apple][+
>   ASCII Express
>   Videx 80 col. card
>   Apple Super Serial Card
>   U.S. Robotics 1200 Baud modem

I know that in the install menu, there is a line somewhere that has the
Bell pause time, or some such....it's the thing that's probably set to
100ms. Try fooling around with that. In Unix, there is a way to get
the machine to pause, just like you can get it to pause on nl or cr.

Look in the % man termcap to find out what you can about it.

To get the status with AE, you must break out with your terminal escape key
and hit the '!'. There is no status line.

Stefan Chakerian   CIS: 74365,231
                {ucbvax|pur-ee|csu-cs|convex|nmtvax|lanl} unmvax!unmc!cs2532bn

This is my girlfriend: ~.
Her name is Tilde.

From 5544681982955393585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14c70f,28a491f5efc9f50b,start
X-Google-Attributes: gid14c70f,public
X-Google-Thread: 1622d3,28a491f5efc9f50b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-21 00:49:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!unmc!ma3166ay
From: ma3166ay@unmc.UUCP (L.A. Electronics)
Newsgroups: net.games.rogue,net.micro.apple
Subject: Epyx Rogue?
Message-ID: <44@unmc.UUCP>
Date: Fri, 21-Feb-86 03:49:22 EST
Article-I.D.: unmc.44
Posted: Fri Feb 21 03:49:22 1986
Date-Received: Mon, 24-Feb-86 04:54:55 EST
Reply-To: ma3166ay@unm-cvax.UUCP (L.A. Electronics)
Organization: Univ. of New Mexico, Albuquerque

Lines: 10
Keywords: The VAPORWARE Zone
Xref: linus net.games.rogue:2231 net.micro.apple:2299

Whatever happened to the version of ROGUE that was supposed to come out for
the // series? Epyx made good on their versions for the IBM-PC and the Mac,
but I have yet to see one for the Apple //e.

.rne.

Ernie Longmire   {{ purdue cmcl2 ihnp4 } !lanl ucbvax } !unmvax!unmc!ma3166ay
-----
"I'm looking for my pipe bomb...I left it here a while ago and now it's gone."

From -3658705525926637041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30434e8884235399,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-21 05:15:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!talcott!panda!genrad!decvax!decwrl!dec-
rhea!dec-nymgr!craparotta
From: craparotta@nymgr.DEC (Joe Crap)
Newsgroups: net.micro.apple
Subject: AppleWorks
Message-ID: <1259@decwrl.DEC.COM>
Date: Fri, 21-Feb-86 08:15:34 EST
Article-I.D.: decwrl.1259
Posted: Fri Feb 21 08:15:34 1986
Date-Received: Mon, 24-Feb-86 06:20:13 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 13

Craig,

I've had the same problems that you've had with AppleWorks. Seems like APPLE
wasn't smart enough or thought that us USERS didn't need it.

SOLUTION-- Use APPLEWRITER....maybe they want us to buy both programs..
Good marketing 'eh......??

Some day Apple will realize that Apple // users make up most of the sales and
can't force to the "MAC"...

Joe Craparotta

The above statements are mine alone and not DEC's.........

From 6647376529376823485
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f57e70d5cceb0459
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-21 07:12:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!talcott!panda!genrad!decvax!bellcore!
ulysses!mhuxr!mhuxt!houxm!ihnp4!ihlpg!timborn
From: timborn@ihlpg.UUCP (Tim Born)
Newsgroups: net.micro.apple
Subject: Re: Misc. questions
Message-ID: <1651@ihlpg.UUCP>
Date: Fri, 21-Feb-86 10:12:14 EST
Article-I.D.: ihlpg.1651
Posted: Fri Feb 21 10:12:14 1986
Date-Received: Mon, 24-Feb-86 08:05:45 EST
References: <2072@teddy.UUCP> <229@ski.UUCP> <981@brl-smoke.ARPA>
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 26

> >> 2) They want to use their Apples in a "cold room" where the ambient
> >>   temperature is about 40F. I think that's way too cold; does anyone
> >>   have a pointer to the exact environmental specifications for operation?
> >
> >Quoting from the Apple //e reference manual:
> >
> > Operating temperature: 30 to 115 deg. F
> > Relative humidity: 5% to 85%
> > Line voltage: 107 to 132 VAC
>
> But what are the specs for the disk drives, monitor, etc.?
> Also, watch out for condensation on disks you remove from
> the cold room.

I keep my vintage Apple][+ on almost constantly in an unheated part of my
house. The temp never goes below freezing (I hope), but it gets cold enough
to be uncomfortable without a jacket. In the summer it gets pretty toasty.
In the nearly nine years, the only failure I've had due to the environmental
conditions was some intermittent flakiness when the temp exceeded 90 degrees.
I have since installed a small fan, which seems to have solved that problem.
All and all, this box has been very tolerant of temps. Likewise the drives
and monitors. I don't normally have rapid fluctuations or high humidity,
so I haven't had any condensation problems.

tim born
...ihnp4!ihlpg!timborn

From 5086435808644560837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9b6c33665d7333ee,start
X-Google-Attributes: gid152df8,public

X-Google-Thread: 1622d3,9b6c33665d7333ee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-21 07:26:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!gatech!seismo!hao!
noao!terak!asuvax!isosvax!nate
From: nate@isosvax.UUCP
Newsgroups: net.micro.apple,net.micro.mac
Subject: 16-bit Apple //[ce]
Message-ID: <266@isosvax.UUCP>
Date: Fri, 21-Feb-86 10:26:07 EST
Article-I.D.: isosvax.266
Posted: Fri Feb 21 10:26:07 1986
Date-Received: Sat, 1-Mar-86 23:18:34 EST
Organization: Intel Corp, Phoenix (Deer valley), AZ
Lines: 11
Xref: watmath net.micro.apple:2601 net.micro.mac:4925

Feb. 17 issue of InfoWorld has article stating that Apple, Inc. is
shipping a the new Apple //, based on the 65C816(8/16 bit 6502) micro-
processor, to developers. The system is code named "Gumby".

Not only is this system compatible with all Apple // software, also the
65C816 supposedly has a 68000 emulation mode which will allow the system
to execute Macintosh software. The system is being shipped with 3 1/2"
media.

Has anyone else on the net heard anything about this system? Earliest
availability? Price? Other features?

From 5309098261703399339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd68bc89f295644
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-21 21:05:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!genrad!panda!talcott!harvard!cmcl2!philabs!ron1!polyof!
polyob!julerio1
From: julerio1@polyob.UUCP (A1 jose ulerio1)
Newsgroups: net.micro.apple
Subject: Re: Appleworks Question
Message-ID: <114@polyob.UUCP>
Date: Sat, 22-Feb-86 00:05:35 EST
Article-I.D.: polyob.114
Posted: Sat Feb 22 00:05:35 1986
Date-Received: Wed, 26-Feb-86 04:22:11 EST
References: <6933@duke.UUCP>
Organization: Polytechnic Inst. of NY, Brooklyn NY
Lines: 78

> Hello,
> This question concerns the use of Appleworks on a //e with 128k and an

> Imagewriter Printer. What I would like to know is...is there a simple way
> of sending printer control characters to my Imagewriter *in the middle of*
> printing a word processor file? There are lots of good reasons for doing
> this, of which my main interest is to temporarily change the character set
> to a custom set which I have read into the printer's memory before booting
> up Appleworks. Usually, I want to print just one or a few custom characters
>
> What I'd really like to know is whether someone has found a sneaky, easy way
> to accomplish this goal, or if there is some cheap software which will work
> nicely with Appleworks and take care of the problem (by cheap I'm thinking
> of under $40 or so). I suppose I should just buy Applewriter, or any of a
> dozen other word processors which let one insert such characters, but I like
> a lot of the things Appleworks does and I've already bought it and used it
> extensively. Any suggestions? In any case, thanks for reading this long
> article!
>
> Craig D. Singer, Dept. of Computer Science, Duke University
> Durham, NC 27706-2591. Phone (919) 684-5110 (ext.20)
> CSNET: cds@duke   UUCP: ...!decvax!duke!cds
> ARPA: cds%duke@csnet-relay

About the easiest way to insert printer control characters in Appleworks is to redefine the program's own printer control characters. I redefined Appleworks' boldface begin/end characters for this purpose since I wanted to use the NLQ mode available on my Okidata 93.

On the Okidata series of printers, ESC-1 turns on NLQ printing and ESC-0 turns it off. I simply went to the printer spec menu and redefined boldface begin as ESC-1, and boldface end as ESC-0.

You can change it yourself quite easily, but if you're a bit unsure, here is a cookbook routine on how to do it:

1. Upon booting Appleworks, select the Other Activities option.

2. Now select option seven, "Specify information about your printer"

3. From the "Printer Information" screen, select option four from the list, "Change printer specifications for," or the appropriate device (This is assuming you've already defined a printer type)

4. From the screen "Change a printer," select option five from the screen, "Printer Codes"

5. Now select the Boldface option

6. At the "Enhancements" screen, you now have a list of choices.. you could redefine the begin/end control characters for sub/superscript, but since they have uses in most technical writing, it's best to stick with boldface.

When you select the characters to redefine, make note of the default values if you want to return things as they were. Look up the proper control characters you wish to use in your printer manual, type them in verbatim, and save the results by ESCaping back to the main menu.

From now on, typing a CTRL-B in the Word Processor portion of Appleworks will put a "Boldface" note in your text, but the actual character sent will be the one you specified for whatever other purpose you had in mind, such as switching to an alternate character set or switching back to normal.

As for alternate character utilities, Vilberg Brothers, Inc. sells a utility disk for the Imagewriter that includes a font editor/ downloader for $50 or so.. You might want to check recent issues of Nibble magazine for their address (sorry, don't have an issue in front of me or I'd post the address..)

Hope this all helps..

Jose M. Ulerio
Department of Transportation Planning and Engineering
Polytechnic University, Bklyn, NY

From -9179537053091494822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e74139203167dda0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-23 20:24:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdragon.UUCP
Path: utzoo!linus!decvax!bellcore!ulysses!burl!clyde!watmath!watnot!watdragon!
cjsgro
From: cjsgro@watdragon.UUCP (Carlo Sgro)
Newsgroups: net.micro.apple
Subject: Summary of Z80 card slot question
Message-ID: <428@watdragon.UUCP>
Date: Sun, 23-Feb-86 23:24:47 EST
Article-I.D.: watdrago.428
Posted: Sun Feb 23 23:24:47 1986
Date-Received: Wed, 26-Feb-86 05:54:11 EST
Reply-To: cjsgro@watdragon.UUCP (Carlo Sgro)
Organization: U of Waterloo, Ontario
Lines: 47

This is a collection of all the response that I received on my question about where the Z80 card should go. As will become evident on reading it, it seems like there is some conflict over which slot CP/M looks for it in.

Most slot assignments on an apple (esp. II+) are just convention
with a few established for good reason. Specifically, the apple
starts searching the buss at powerup by working down from slot 7 through
0. Slot 7 differs from the others only in that there is a vertical
sync signal available (this is why 'fancy' graphics and color
boards like the Electrohome Supercolor board are placed here). This
is also the reason that the drive controller board is placed in 6.
(ie. this will be the first normal device recognized). By convention
a z-80 card is placed in slot 5 and most cp-m software will
look for it here (ie addr c500). We have always placed our 6522 board
in slot 4 (a real time clock and parellel interface , since this is most
often an open slot), 80-column card in 3 (sync is tagged in externally),
printer in 1 and language card in 0 (the only reason this is here that I'm
aware of is because it allows for easy access to the top of ram).
For the life of me I cannot remember what goes in slot 2.

I personally use slot #4 for my Z-80 card (a Franklin Z-80 card), and most of
my friends who have other Z-80 cards also seem to use slot #4. It does not
however matter what slot it is put into. I would suggest not using slot 7, as
that is usually reserved for a second set of floppies or a hard disk.

You can plug the card into *any* slot, except slot 0.
There is no hardware restriction, in general, relating
to which slot a card can be plugged into (except for
slot 0, of course). However, CP/M will not work with
the Z-80 card plugged into a slot other than 4. This
is because the CP/M boot program expects to find the
card in slot 4. The only fix here is to modify that
boot program and the CP/M operating system.

--

Carlo Sgro
...![ihnp4||decvax||allegra||clyde||utzoo]!watmath!watdragon!cjsgro

"ihnp4 Express: Overnight to the USA or you don't pay!"

From -4895782672868439158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,edbbd8285ae7ab8b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-24 05:12:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-nymgr!craparotta

From: craparotta@nymgr.DEC (Joe Crap)
Newsgroups: net.micro.apple
Subject: Softerm II
Message-ID: <1315@decwrl.DEC.COM>
Date: Mon, 24-Feb-86 08:12:47 EST
Article-I.D.: decwrl.1315
Posted: Mon Feb 24 08:12:47 1986
Date-Received: Wed, 26-Feb-86 06:36:09 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 10

Stefan,

I don't think Softerm will ever let out the ESC sequences of there card. One way though is to look through the file. Some day I'm going to, and get rid of theat(oops) that stupid expander card!!!

Joe.....

ps: sorry but I can never figure out how to get right to the person form the net......

From -5009159285345604215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,556441583a9540d
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 15f443,556441583a9540d
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,556441583a9540d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-24 09:43:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcsri!utcs!gordon
From: gordon@utcs.uucp
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Re: Sysline on an apple][? Bug with ASCII(7)?
Message-ID: <1121@utcs.uucp>
Date: Mon, 24-Feb-86 12:43:25 EST
Article-I.D.: utcs.1121
Posted: Mon Feb 24 12:43:25 1986
Date-Received: Mon, 24-Feb-86 12:48:14 EST
References: <37@unmc.UUCP>
Reply-To: gordon@utcs.UUCP (Steve Gordon - Erindale)
Distribution: net
Organization: University of Toronto - general purpose computer-running-the-UNIX(tm)-brand-time-sharing-operating-system
Lines: 17
Summary: Clearing up a misunderstanding

Well, I have since got the control-G bug fixed; by enabling interrupts (which I thought were enables on my Super Serial Card).

The help with the SYSLINE I requested was for a Unix Sysline and does not have anything to do with AE (except for possibly something in install- I Do not know). The problem is, how do I set the termcap up to tell unix I have status-line capability?-How can I get AE not to scroll this status line all over the place?-etc...

Sorry to clutter the net up with clarification...
PLEASE RESPOND THROUGH MAIL...

If anyone is interested, I can mail them the termcap..

Thanks..Steve

From 6334308895733701701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14c70f,28a491f5efc9f50b
X-Google-Attributes: gid14c70f,public
X-Google-Thread: 1622d3,28a491f5efc9f50b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-24 10:12:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!snell
From: snell@utzoo.UUCP ()
Newsgroups: net.games.rogue,net.micro.apple
Subject: Re: Epyx Rogue for IIe?
Message-ID: <6427@utzoo.UUCP>
Date: Mon, 24-Feb-86 13:12:49 EST
Article-I.D.: utzoo.6427
Posted: Mon Feb 24 13:12:49 1986
Date-Received: Mon, 24-Feb-86 13:12:49 EST
References: <44@unmc.UUCP>
Organization: U of Toronto Zoology
Lines: 3
Keywords: The VAPORWARE Zone

The poor wee brain of the IIe (or IIc for that matter)
is simply too small to hold an even 1/4 way
decent rogue game: thus, none is available.

From -1231757660129606739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd68bc89f295644
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-24 17:05:35 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!glacier!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: Appleworks Question
Message-ID: <2598@reed.UUCP>
Date: Mon, 24-Feb-86 20:05:35 EST
Article-I.D.: reed.2598
Posted: Mon Feb 24 20:05:35 1986
Date-Received: Fri, 28-Feb-86 07:42:30 EST
References: <6933@duke.UUCP> <114@polyob.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 40

well, here goes.

Buy AppleWriter.

in AppleWorks, there are only four commands that can get turned on or off in the middle of a paragraph. They are Bold, Undeline, Supescript, and Subscript. The others will only turn on or off during a paragraph break. Note that all are turned off by a paragraph, i.e. if you turn on bold, then end a paragaph, the next paragraph will not be in bold. The way to get around this is to set the Bold End option to a null, and make a fake character pitch equal to the turnoff code.
Anyway, that's the basic idea. I myself use applewriter. You can't get a better, more powerful wordprocessor. soon I hope to have it modified enough to not only print screen dump, but to use a modem, etc. I use the DOS version, as I'm not so hot on ProDOS. You can print pages and pages continuesly with WPL, as well as make great glossaries, do fantastic formlettering, etc. It is well worth the money, though you should look for the DOS version rather than the ProDOS version :-)

I'm not positive about everything I just said, except that AppleWriter is the best word processor around. the info I get is out of Open-Apple, on of the best publications around for Apple owners. They had one issue devoted to AppleWorks.

Incedently, someone posted a whie ago asking how to get AppleWorks to run on a][+. If anyone is still interested, I can give more info now...

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 3176336675375714707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2092acafc8a59136,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-24 17:09:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!glacier!hplabs!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: PD software
Message-ID: <2599@reed.UUCP>
Date: Mon, 24-Feb-86 20:09:45 EST
Article-I.D.: reed.2599
Posted: Mon Feb 24 20:09:45 1986
Date-Received: Fri, 28-Feb-86 07:42:44 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 22

Soon, so soon, I shall be posting some PD software I wrote. They are
for getting you existing programs (both Basic & ML) into text files in
order to be downloaded and uploaded. A note on them. It is important I
believe to load the text files into a wordprocessor and save them before
trying to exec them. I tried to anyway with the DOS Kermit, and all I
got were errors untill I did this. I'll send them as soon as I get a
modem hooked up to my apple at home (wouldn'tcha know they'd take out
the Apple from work the day I'm gonna upload...:-).

Sean Kamath

p.s. Maybe this'll get people interested in posting thier little
programs of use....

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 5826846168917366215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,bee71f2a67504d9a,start

X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,bee71f2a67504d9a,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 13f9e2,bee71f2a67504d9a,start
X-Google-Attributes: gid13f9e2,public
X-Google-Thread: 1622d3,bee71f2a67504d9a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 163b79,bee71f2a67504d9a,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 15517a,bee71f2a67504d9a,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1986-02-24 21:50:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 (USS@Tek, v1.0) based on 4.3bsd-beta 6/6/85;
site tekig5.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!petrus!scherzo!allegra!mit-eddie!
genrad!decvax!decwrl!pyramid!hplabs!tektronix!tekig5!petel
From: petel@tekig5.UUCP (Pete Lancashire)
Newsgroups:
net.general,net.micro,net.micro.pc,net.micro.apple,net.micro.mac,net.arch
Subject: Apple buys a Cray...
Message-ID: <516@tekig5.UUCP>
Date: Tue, 25-Feb-86 00:50:39 EST
Article-I.D.: tekig5.516
Posted: Tue Feb 25 00:50:39 1986
Date-Received: Fri, 28-Feb-86 21:38:47 EST
Reply-To: petel@tekig5.UUCP (Pete Lancashire)
Followup-To: net.followup,net.micro,net.micro.pc,net.micro.apple,net.micro.mac
Organization: Tektronix, Inc., Beaverton, OR.
Lines: 41
Xref: watmath net.general:512 net.micro:13912 net.micro.pc:7166
net.micro.apple:2587 net.micro.mac:4864 net.arch:2625

I receive 'blurbs' from CRAY Research every time someone buys a system,
or when something important happens, like UNIX on the Cray. Most a boring,
like LLL buying their 3rd, 4th, etc, but this is even better that George
Lucas buying one...
(Unedited)
==========

CRAY RESEARCH, INC. NEWS
608 Second Avenue South (in about 40points)
Minneapolis, Minnesota 55402
(612) 333-5889
For additional information contact:
Robert A Gaertner/Tina M. Bonetti

APPLE COMPUTER ORDERS CRAY X-MP SUPERCOMPUTER

Minneapolis, February 18, 1986 -- Cray Research, Inc., announced today that Apple Computer, Inc. has ordered a CRAY X-MP/48 supercomputer.

The system is valued at approximately $14.5 million and will be installed in the second quarter of 1986 at Apple's headquarters in Cupertino, Calif. The system will be used to simulate future hardware and

software architectures and to accelerate new product development.
    "In order for us to remain a technology leader in the personal computer industry, we must be willing to make significant investments in research and development," said Delbert W. Yocam, Apple's executive vice president of product operation. "With the CRAY X-MP supercomputer and its powerful simulation capabilities, we will be able to evaluate a greater variety of future product direction."
   Apple Computer designs, manufactures and markets personal computers and related software and accessories for use in business, education and the home.
   Cray Research is engaged in the design, development and manufacture of large-scale computer and the marketing and support of such systems.

                    # # #
==========

Pete Lancashire ...tektronix!tekig5!petel
Tektronix Inc.

No affilition with Apple, don't own a MAC, and no affilition with Cray, don't own an X-MP either.

From -2727164615921146480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,921fd1b5b8cf0f7d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-25 09:15:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!gatech!seismo!lll-crg!lll-lcc!dual!decwrl!dec-rhea!dec-vaxine!fitzpatrick
From: fitzpatrick@dec-vaxine.UUCP
Newsgroups: net.micro.apple
Subject: Re: posting PD software
Message-ID: <1368@decwrl.DEC.COM>
Date: Tue, 25-Feb-86 12:15:45 EST
Article-I.D.: decwrl.1368
Posted: Tue Feb 25 12:15:45 1986
Date-Received: Fri, 28-Feb-86 23:04:24 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 44

Regarding posting programs for the Apple, Sean Kamath writes on 10-Feb:

>Well, there seems to be at least a few people interested in posting PD
>software. I can understand easily enogh how to post BASIC programs, but
>what about ML programs? I suppose you could send the source file, but
>that might not be possible either from the fact it's not available or
>for a funny assembler. Come up with a good answer and I'm interested
>(BASIC just isn't so hot anymore :-)). (I know Apple's but not to much
>about VAX's & UN*X.)
.

.
.
>Sean Kamath

>UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

It's possible to create EXEC files from monitor hex dumps that can build the program and save it to disk automatically.

Example:
```
--------------------------------cut here---------------------------------
CALL -151
0300: 20 08 03 A9 87 20 ED FD 60 00
3D0G
BSAVE BEEP,A$300,L$A

---------------------------------end-----------------------------------
```
If you edit the above into its own file and EXEC it, it will put into memory and then save to disk a little do nothing program that does a JSR to an RTS instruction at $0308 and then sends a ^G to COUT (which beeps the speaker) and then exits. (Did I get the right addressing mode with that A9 LDA? I'm on the VAX at work and have no 6502 ref. handy.

The program to create the exec file would not be all that difficult to write and I may see if I can do it in the next week and post it here (sources and an exec, of course).

   Dave FitzPatrick

        ...decvax!decwrl!dec-rhea!dec-vaxine!fitzpatrick

        on BIX: B-mail to dave.f
                        (co-moderator, leisure conference)

From 2711313949033928909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9919a56ad550ea33
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-25 14:18:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!ut-sally!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Re: emulations for Apple 2c
Message-ID: <352@uwai.UUCP>
Date: Tue, 25-Feb-86 17:18:43 EST
Article-I.D.: uwai.352
Posted: Tue Feb 25 17:18:43 1986
Date-Received: Fri, 28-Feb-86 08:22:19 EST
References: <36@unmc.UUCP>

Organization: U of Wisconsin CS Dept
Lines: 18
Summary: free h19 terminal emulator

There was a pointer to an H19/VT52 terminal emulator posted to
info-micro a month or so ago. I forget the name of it but it was
written by Ken Adelman & ? at UCLA. I use it on my //e with super
serial card at 1200 baud. It works great (especially handy is the
insert character capabilities of the H19). It has no file
capabilities but it can send output to the printer. I believe it runs
on a //c, //e with super serial, II+ with Videx & serial card.

I don't have a copy of Ken's message. Perhaps someone who stored it
could forward it to net.micro.apple or send mail to Ken asking him if
his program could be posted to net.micro.apple.
--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From -7807138178901409260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eb1ab7027c21779,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-25 20:15:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!pyramid!hplabs!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: PD Software (long)
Message-ID: <2616@reed.UUCP>
Date: Tue, 25-Feb-86 23:15:09 EST
Article-I.D.: reed.2616
Posted: Tue Feb 25 23:15:09 1986
Date-Received: Fri, 28-Feb-86 21:34:36 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 326

        Well, here it is. I know you've all been hanging on the edge of
your seat waiting for this, and now it's here!!!

        First of all, I'd like to say that this is a direct response
from someone on the net about how to get downloadable programs onto the
net. Is there some sort of BinHex for the]['s? I don't know. I

figure that there most be some standard way of doing it. I've been on BBS's that have "mega downloads" but never gotten around to downloading them. I haven't got the expertise in that area. What I do have the ability to do is write the following assembly language program. I got the idea from a one-liner in Nibble Magazine and a similar program in Open-Apple. The original authors are Keith Stattenfield (Nibble Oct. '85) and I believe Tom Weishaar (Open-Apple Feb. 85).

The Applesoft program came out of May '85 Open-Apple. I didn't exactly get permission to copy it, but it's one measly line and I doubt anyone's gonna get upset about it.

Anyway, I hope that this will encourage people to post their own programs to the net for the benefit of others who either don't have a program like that, didn't realize that that could be done, or didn't know a neat trick. Grammar was never my strong point.

Enough of my chattering, here they are. Just cut 'em out, download em, and exec them.

---------------------------------Cut-Here-----------------------------------

```
0 D$=CHR$(4):POKE 33,33:INPUT "FILE NAME";F$:PRINT D$;"OPEN";F$:PRINT D$;"DELETE
";F$:PRINT D$;"OPEN";F$:PRINT D$;"WRITE";F$:PRINT "NEW":LIST 1,:PRINT
D$;"CLOSE";F$:TEXT:END


RUN
```

---------------------------------Cut-Here-----------------------------------

Important, there should only be three carriage returns, two after the end, and 1 after the run. Then just exec this when you have you program loaded. It will save a text file with all the lines in it, except line zero, in a sequential text file.

This differs from the one in Open-Apple in that I deleted an extra 'close' which was after the first 'open' command. Also, I have it print a 'new' at the beginning of the created text file. This way, when you EXEC the resulting text file, if you happen to have an already resident applesoft program in memory, you don't get a hodgepodge of that program with the one you're EXECing.

---------------------------------Cut-Here-----------------------------------

```
1    ********************************
2    *                              *
3    * MAKE EXEC                    *
4    *                              *
5    *------------------------------*
6    * By   Sean Kamath             *
7    * 395 Reed College            *
8    * Portland, OR  97202          *
```

```
9    *------------------------------*
10   * A program to take a range    *
11   * and make an execable file    *
12   * from that range              *
13   *------------------------------*
14   * This program is in the       *
15   * public domain.  2/23/86      *
16   * Merlin-Pro Assembler         *
17   ********************************
18
19   *------------------------------
20   * Note:  This program will not allow you to
21   * make a text file out of any of the $Cx00 space.
22   *------------------------------
23
24   *------------------------------
25   * moniter routines
26   *------------------------------
27
28   PRBYTE   =     $FDDA      ; Print a hex byte
29   PRNTYX   =     $F940      ; Print two hex bytes (Y,X)
30   CROUT    =     $FD8E      ; Print a CR to the KSWL hook
31   COUT     =     $FDED      ; Print accumulator to the hook
32
33   *------------------------------
34   * miscellaneous address equates
35   *------------------------------
36
37   YVEC     =     $3F8       ; ^Y vector
38
39   A1L      =     $FA        ; A1 is the start
40   A1H      =     A1L+1      ; A2 is the end
41   A2L      =     A1L+2      ; Normally these are $3C-3F
42   A2H      =     A1H+2      ; But DOS uses these.
43
44   ADDRESS  =     $3C        ; The real start/stop locations
45
46   ASRUN    =     $76        ; Hibyte of AS line counter
47   PROMPT   =     $33        ; Prompt character stored here
48
49   *------------------------------
50   * and whatever else is left
51   *------------------------------
52
53   SPACE    =     $A0        ; ASCII Space
54   COLON    =     $BA        ; ASCII Colon
55   LENGTH   =     %00001111  ; Mask for length
56   SOFTS    =     $C0        ; Softswitch page
57
58
59            ORG   $8000
60
61   *------------------------------
```

```
                62   * Set the ^Y vector to the program and return
                63   *------------------------------
                64
8000: A9 4C     65            LDA   #$4C       ; JMP opcode
8002: 8D F8 03  66            STA   YVEC       ; store it at ^Y vector
8005: A9 10     67            LDA   #BEGIN     ; vector to beginning of
8007: 8D F9 03  68            STA   YVEC+1     ; EXEC MAKER
800A: A9 80     69            LDA   #>BEGIN
800C: 8D FA 03  70            STA   YVEC+2
800F: 60        71            RTS
                72
                73   *------------------------------
                74   * The program begins!!!
                75   *------------------------------
                76
8010: A5 3C     77   BEGIN    LDA   ADDRESS    ; Move the starting address
8012: 85 FA     78            STA   A1L        ; out of DOS's way, otherwise
8014: A5 3D     79            LDA   ADDRESS+1  ; they get clobbered and we
8016: 85 FB     80            STA   A1H        ; only get $40 bytes put out.
8018: A5 3E     81            LDA   ADDRESS+2  ; Likewise the ending address.
801A: 85 FC     82            STA   A2L
801C: A5 3F     83            LDA   ADDRESS+3
801E: 85 FD     84            STA   A2H
                85
                86   *------------------------------
                87   * Get ready to fool DOS into thinking Applesloth
                88   * is running in order to use the open and write commands.
                89   *------------------------------
                90   * This is done by setting the hibyte of the applesoft
                91   * program line counter to something other than $FF.
                92   * Also, the applesoft prompt must not be ']'.
                93   *------------------------------
                94
8020: A9 0A     95            LDA   #10        ; Something other than $FF & $DD
8022: 85 76     96            STA   ASRUN      ; (ASCII ']') stored in these
8024: 85 33     97            STA   PROMPT     ; addresses fool DOS.
                98
                99   *------------------------------
                100  * DOS now fooled, so issue the open and write commands
                101  *------------------------------
                102
8026: A2 00     103           LDX   #00        ; Get ready to send the commands
8028: BD 35 80  104  LOOP     LDA   DATA,X     ; to DOS.
802B: 20 ED FD  105           JSR   COUT
802E: E8        106           INX
802F: E0 37     107           CPX   #DOIT-DATA
8031: D0 F5     108           BNE   LOOP       ; Keep going 'til they're done.
8033: F0 37     109           BEQ   DOIT       ; (always taken)
8035: 8D 84     110  DATA     HEX   8D84
8037: CF D0 C5  111           ASC   "OPEN EFILE"8D
803A: CE A0 C5
803D: C6 C9 CC
8040: C5 8D
```

```
8042: 8D 84     112           HEX   8D84
8044: C4 C5 CC  113           ASC   "DELETE EFILE"8D
8047: C5 D4 C5
804A: A0 C5 C6
804D: C9 CC C5
8050: 8D
8051: 8D 84     114           HEX   8D84
8053: CF D0 C5  115           ASC   "OPEN EFILE"8D
8056: CE A0 C5
8059: C6 C9 CC
805C: C5 8D
805E: 8D 84     116           HEX   8D84
8060: D7 D2 C9  117           ASC   "WRITE EFILE"8D
8063: D4 C5 A0
8066: C5 C6 C9
8069: CC C5 8D
                118
                119  *-------------------------------
                120  * Write the desired address range out to disk!
                121  *-------------------------------
                122
806C: 20 B1 80  123  DOIT     JSR   PRA1       ; A modified monitor routine.
                124
                125  *-------------------------------
                126  * Check for softswitch range and avoid if found.
                127  *-------------------------------
                128
806F: A5 FB     129           LDA   A1H        ; Load start HI
8071: C9 C0     130           CMP   #SOFTS     ; Compare to softswitch area
8073: D0 02     131           BNE   HOP        ; if not, OK
8075: E6 FB     132           INC   A1H        ; if so, then clear area
                133
                134  *-------------------------------
                135  * The following is the actual write routine.
                136  *-------------------------------
                137
8077: A0 00     138  HOP      LDY   #00
8079: B1 FA     139           LDA   (A1L),Y    ; Print a byte
807B: 20 DA FD  140           JSR   PRBYTE
807E: A9 A0     141           LDA   #SPACE     ; Print a space
8080: 20 ED FD  142           JSR   COUT
8083: 20 C2 80  143           JSR   NXTA1      ; A modified monitor routine.
8086: B0 09     144  OK       BCS   EXIT       ; Exit if done with range
8088: A5 FA     145           LDA   A1L        ; Check the lobyte of the range
808A: 29 0F     146           AND   #LENGTH    ; if ending in $xxx0 then do CR.
808C: D0 E9     147           BNE   HOP
808E: 4C 6C 80  148           JMP   DOIT       ; Keep going 'til range finished
                149
                150  *-------------------------------
                151  * After finishing range, then close the file
                152  *-------------------------------
                153
8091: A2 00     154  EXIT     LDX   #00        ; Get ready to send the 'close'
```

```
8093: BD A0 80  155  LOOP2    LDA   DATA2,X    ; command.
8096: 20 ED FD  156           JSR   $FDED
8099: E8        157           INX
809A: E0 0E     158           CPX   #LEAVE-DATA2
809C: D0 F5     159           BNE   LOOP2      ; Keep going 'til done.
809E: F0 0E     160           BEQ   LEAVE      ; (always taken)
80A0: 8D 84     161  DATA2    HEX   8D84
80A2: C3 CC CF  162           ASC   "CLOSE EFILE"8D
80A5: D3 C5 A0
80A8: C5 C6 C9
80AB: CC C5 8D
80AE: 4C D0 03  163  LEAVE    JMP   $3D0       ; Return to DOS!
                164
                165  *-------------------------------
                166  * A modified PRA1
                167  *-------------------------------
                168
80B1: A4 FB     169  PRA1     LDY   A1H        ; This is PRA1 from the
80B3: A6 FA     170           LDX   A1L        ; monitor, rewritten to
80B5: 20 8E FD  171           JSR   CROUT      ; print the address and a colon
80B8: 20 40 F9  172           JSR   PRNTYX     ; rather than the standard dash.
80BB: A0 00     173           LDY   #$00
80BD: A9 BA     174           LDA   #COLON
80BF: 4C ED FD  175           JMP   COUT       ; Use the RTS after COUT.
                176
                177  *-------------------------------
                178  * This is a modified monitor routine called NXTA1.
                179  * This allows incrementing $FA-FD instead of $3C-3F
                180  *-------------------------------
                181
80C2: A5 FA     182  NXTA1    LDA   A1L        ; this is the monitor subroutine
80C4: C5 FC     183           CMP   A2L        ; rewritten to use my A1 & A2
80C6: A5 FB     184           LDA   A1H        ; rather than $3C-3F
80C8: E5 FD     185           SBC   A2H        ; called NXTA1
80CA: E6 FA     186           INC   A1L        ; Carry set if done with range.
80CC: D0 B8     187           BNE   OK
80CE: E6 FB     188           INC   A1H
80D0: 60        189           RTS


--End assembly, 209 bytes, Errors: 0


Symbol table - alphabetical order:

   A1H     =$FB        A1L     =$FA        A2H     =$FD        A2L     =$FC
   ADDRESS =$3C        ASRUN   =$76        BEGIN   =$8010      COLON   =$BA
   COUT    =$FDED      CROUT   =$FD8E      DATA    =$8035      DATA2   =$80A0
   DOIT    =$806C      EXIT    =$8091      HOP     =$8077      LEAVE   =$80AE
   LENGTH  =$0F        LOOP    =$8028      LOOP2   =$8093      NXTA1   =$80C2
   OK      =$8086      PRA1    =$80B1      PRBYTE  =$FDDA      PRNTYX  =$F940
   PROMPT  =$33        SOFTS   =$C0        SPACE   =$A0        YVEC    =$03F8
```

Symbol table - numerical order:

LENGTH	=$0F	PROMPT	=$33	ADDRESS	=$3C	ASRUN	=$76
SPACE	=$A0	COLON	=$BA	SOFTS	=$C0	A1L	=$FA
A1H	=$FB	A2L	=$FC	A2H	=$FD	YVEC	=$03F8
BEGIN	=$8010	LOOP	=$8028	DATA	=$8035	DOIT	=$806C
HOP	=$8077	OK	=$8086	EXIT	=$8091	LOOP2	=$8093
DATA2	=$80A0	LEAVE	=$80AE	PRA1	=$80B1	NXTA1	=$80C2
PRNTYX	=$F940	CROUT	=$FD8E	PRBYTE	=$FDDA	COUT	=$FDED

The following is the routine performed on itself.
To get it running, just trim off the junk (namely this and any trailers)
and save it as a text file. Then EXEC it.

NOTE: I added the "call -151" and the "BSAVE MAKE EXEC,A$8000,L$D1"

```
------------------------------CUT-HERE----------------------------------------

CALL -151

8000:A9 4C 8D F8 03 A9 10 8D F9 03 A9 80 8D FA 03 60
8010:A5 3C 85 FA A5 3D 85 FB A5 3E 85 FC A5 3F 85 FD
8020:A9 0A 85 76 85 33 A2 00 BD 35 80 20 ED FD E8 E0
8030:37 D0 F5 F0 37 8D 84 CF D0 C5 CE A0 C5 C6 C9 CC
8040:C5 8D 8D 84 C4 C5 CC C5 D4 C5 A0 C5 C6 C9 CC C5
8050:8D 8D 84 CF D0 C5 CE A0 C5 C6 C9 CC C5 8D 8D 84
8060:D7 D2 C9 D4 C5 A0 C5 C6 C9 CC C5 8D 20 B1 80 A5
8070:FB C9 C0 D0 02 E6 FB A0 00 B1 FA 20 DA FD A9 A0
8080:20 ED FD 20 C2 80 B0 09 A5 FA 29 0F D0 E9 4C 6C
8090:80 A2 00 BD A0 80 20 ED FD E8 E0 0E D0 F5 F0 0E
80A0:8D 84 C3 CC CF D3 C5 A0 C5 C6 C9 CC C5 8D 4C D0
80B0:03 A4 FB A6 FA 20 8E FD 20 40 F9 A0 00 A9 BA 4C
80C0:ED FD A5 FA C5 FC A5 FB E5 FD E6 FA D0 B8 E6 FB
80D0:60 00

BSAVE MAKE EXEC,A$8000,L$D1

------------------------------CUT-HERE----------------------------------------
```

Well, enjoy these. Send any bug reports to me at

{ihnp4,decvax,ucbcad}!tektronix!reed!kamath

Sean Kamath

The Apple // Forever!!!!!!!!!!!!!
--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From -412136135375840183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1bea320f8ec5a265,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-26 08:20:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!decwrl!dec-rhea!dec-vaxine!
fitzpatrick
From: fitzpatrick@vaxine.DEC
Newsgroups: net.micro.apple
Subject: Re: posting PD Apple software
Message-ID: <1387@decwrl.DEC.COM>
Date: Wed, 26-Feb-86 11:20:05 EST
Article-I.D.: decwrl.1387
Posted: Wed Feb 26 11:20:05 1986
Date-Received: Fri, 28-Feb-86 21:46:54 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 49

Let's try this again. For some reason only the first 1/4 of this message made
it through yesterday.

Regarding posting programs for the Apple, Sean Kamath writes on 10-Feb:

>Well, there seems to be at least a few people interested in posting PD
>software. I can understand easily enogh how to post BASIC programs, but
>what about ML programs? I suppose you could send the source file, but
>that might not be possible either from the fact it's not available or
>for a funny assembler. Come up with a good answer and I'm interested
>(BASIC just isn't so hot anymore :-)). (I know Apple's but not to much
>about VAX's & UN*X.)
>
>...
>
>Sean Kamath

>UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

It's possible to create EXEC files from monitor hex dumps that can build the
program and save it to disk automatically.

Example:
---------------------------------cut here-----------------------------------
CALL -151

```
0300: 20 08 03 A9 87 20 ED FD 60 00
3D0G
BSAVE BEEP,A$300,L$A

----------------------------------end-------------------------------------
```
If you edit the above into its own file and EXEC it, it will put into memory and then save to disk a little do nothing program that does a JSR to an RTS instruction at $0308 and then sends a ^G to COUT (which beeps the speaker) and then exits. (Did I get the right addressing mode with that (A9) LDA? I'm on the VAX at work and have no 6502 ref handy.)

The program to create the exec file would not be all that difficult to write and I may see if I can do it in the next week and post it here (sources and an EXEC, of course).

   Dave FitzPatrick

        ...decvax!decwrl!dec-rhea!dec-vaxine!fitzpatrick

        on BIX: B-mail to dave.f
                        (co-moderator, leisure conference)


```
From 5682932978677014312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1d492381022f9305,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-26 15:10:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!gt-oscar!rodney
From: rodney@gt-oscar.UUCP (RODNEY RICKS)
Newsgroups: net.micro.apple
Subject: Rumor on the Apple IIx release.
Message-ID: <202@gt-oscar.UUCP>
Date: Wed, 26-Feb-86 18:10:57 EST
Article-I.D.: gt-oscar.202
Posted: Wed Feb 26 18:10:57 1986
Date-Received: Fri, 28-Feb-86 08:29:21 EST
Organization: Georgia Institute of Technology, Atlanta
Lines: 22
Keywords: rumor IIx product release
```


   ...and now it's time for some gossip. I pass this on NOT based on how definite this information is, but on how interesting it may be.

   I have heard (from a friend who has a friend who works at Apple) that the Apple IIx
will be released this summer. I have not yet found out exactly what the system will be
(It WILL use the Western Design Center 65816 chip.), in terms of memory, clock rate,

operating system, compatibility, etc. My guess is that it is the operating system that
is holding them up. The way Apple is heading, they may make it into another "mouse and
icons" type system.

   Has anybody else out there in netland heard anything? I have a friend with an Apple IIe system who is waiting to move up to a IIx, and is dying for lack of information. Please, HELP SAVE HIM! :-)

Rodney Ricks
      Georgia Insitute of Technology   Atlanta, Georgia 30332

UUCP: ...!{akgua,allegra,amd,hplabs,ihnp4,seismo,ut-ngp}!gatech!gt-oscar!rodney
 or :   !gatech!gitpyr!rodney
Mail: 4265 Hidden Valley Dr.
      College Park, Ga. 30349

From 6745213442787942213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2b21469ccdf95ff7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-26 19:27:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!seismo!umcp-cs!aplcen!jhunix!ins_aeas
From: ins_aeas@jhunix.UUCP (Earle A .Sugar)
Newsgroups: net.micro.apple
Subject: Rana Drive wanted
Message-ID: <2019@jhunix.UUCP>
Date: Wed, 26-Feb-86 22:27:28 EST
Article-I.D.: jhunix.2019
Posted: Wed Feb 26 22:27:28 1986
Date-Received: Sat, 1-Mar-86 02:23:59 EST
Distribution: net
Organization: The Johns Hopkins University
Lines: 17

     Does anybody have a Rana Elite 2(3) or similar two side drive that they would like to sell? I will pay a fair price. Also, has anybody purchased the Transwarp Accelerator card from Applied Engineering? It sounds very promising, but I am wary to invest ~$250 in it sight unseen.

--
Earle A. Sugar
Disclaimer:"I doubt anyone else here agrees with me."
          USENET: ...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_aeas
          CSNET:ins_aeas@jhunix.csnet
          ARPA:ins_aeas%jhunix.csnet@csnet-relay.arpa

      BITNET: INS_BEAS@JHUVMS (as a last resort)
"If you don't expect anything, you'll never be dissappointed."
      or call 301-889-0815 after 6 P.M. EST

From -6844868449249252194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8250e0c5c4fd9d92,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-02-27 00:09:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!bellcore!decvax!genrad!panda!talcott!
harvard!cmcl2!rna!rocky2!cucard!ccnysci!alexis
From: alexis@ccnysci.UUCP
Newsgroups: net.micro.apple
Subject: Need replacements for old Apple][motherboards (or pointers)
Message-ID: <228@ccnysci.UUCP>
Date: Thu, 27-Feb-86 03:09:52 EST
Article-I.D.: ccnysci.228
Posted: Thu Feb 27 03:09:52 1986
Date-Received: Sun, 2-Mar-86 18:49:51 EST
Organization: City College of New York
Lines: 24

A charitable institution has a few VERY old Apple][']s. They all have the gold
power supply. Three are failing constantly, anywhere from 1 hr. to 3 hrs. after
power-on (sometimes even less). I am pretty sure the motherboard is heat-warped
since opening the top and pressing down all the chips (I guess they get forced
up) will restore operation for a while... then you have to do it again.

Since repair is impossible (if that's wrong, do tell...) I would like to
purchase some Apple-compatible motherboards to replace them. All they have to
do is emulate an Apple][(or a][+), and I can even use the old ROMS from my
motherboards to make sure I don't have any compatibility problems. What I need,
then is this:
Three Apple][or][+ compatible motherboards which:
1) can't draw more power than Apple's (I'll be using the old power supply)
2) must be the same shape, so I can stick it in the old cases.
3) must have eight slots, and the standard keyboard & power jacks.
4) must cost less than $150.

Used boards are okay if I can test them...

Any pointers to corporations which make these would be greatly appreciated.

Thanks,
Alexis
...ihnp4!physics!ccnysci!alexis

From -8880356465533869957
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,549dfa2ba9ec5d9d

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-29 09:20:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!cmcl2!lanl!unm-la!unmvax!
nmtvax!kenyon
From: kenyon@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple IIC to Apple IIE Bus Convertor
Message-ID: <886@nmtvax.UUCP>
Date: Fri, 29-Nov-85 12:20:11 EST
Article-I.D.: nmtvax.886
Posted: Fri Nov 29 12:20:11 1985
Date-Received: Thu, 5-Dec-85 06:30:34 EST
References: <>
Reply-To: kenyon@nmtvax.UUCP (Rob Kenyon -A stranger in a stranger land)
Organization: New Mexico Tech (You call that an Organization?)
Lines: 32

In article <> todd@mips.UUCP (Todd Basche) writes:

>He was told (By Apple) of the existence of a company called :
>" SICO Consumer Electronics " .
>They are purported to make a Apple IIC to Apple IIE convertor.
>This would allow you to have a chassis that you could populate with
>Apple IIE cards and cable over to your Apple IIC .
>
>Sounds like a good idea...

That could be very difficult to do. It would really play havoc with
programs written for the //c as many of the internal locations are moved.
Things aren't in normal locations as though they were in a slot.
In a //c, apple knew where everything was going to be (you can't just throw
in a 3.6M 6502) and it appears that io rom swap space doesn't (on a //
you can decide which card to look at by telling the others to get out and
swaping in the ones you want.) This doesn't appear to happen on a //c.
(Note that I used the word "appear." I haven't hacked that hard on a //c,
but there is something funky in the roms.

If this device does exist, please let me know. I have a friend with a //c
that thought it was all he'd ever need. He was wrong. Even with Z-Ram
(Z-80 and 1/2 M ram) it isn't enough. He got a subscription to BYTE. I'm
afraid he's going to go MS-DOS if I can't save him...

--

Robert Kenyon
...ucbvax!unmvax!nmtvax!kenyon

Your father was a mother and your hamster smells of eldeberries!

From -4279856790778704887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13ba0e,1a51ec8ac521fff6,start
X-Google-Attributes: gid13ba0e,public
X-Google-Thread: 1622d3,1a51ec8ac521fff6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-30 18:37:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!mcnc!
ecsvax!pow
From: pow@ecsvax.UUCP (Bill Powell)
Newsgroups: net.micro.apple,net.periphs
Subject: DAK 1200 Baud Modem
Message-ID: <818@ecsvax.UUCP>
Date: Sat, 30-Nov-85 21:37:39 EST
Article-I.D.: ecsvax.818
Posted: Sat Nov 30 21:37:39 1985
Date-Received: Mon, 2-Dec-85 03:21:23 EST
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 28
Xref: watmath net.micro.apple:2375 net.periphs:915

o problems. Since the mailorder price is down to $269.
(Compumail, Dec. 85 Byte, p.470 - (805)987-7015), I think I'll pay
a little more for the insurance!

From 5485950439975851579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6be4856fc3816791,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-02 08:24:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple
Subject: othello
Message-ID: <2a7c6fd3.46b9@apollo.uucp>
Date: Mon, 2-Dec-85 11:24:01 EST
Article-I.D.: apollo.2a7c6fd3.46b9
Posted: Mon Dec 2 11:24:01 1985
Date-Received: Thu, 5-Dec-85 06:21:38 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 3

I have a coworker here at Apollo that seems to love Othello (yuk).
He has been looking for a version that he can run on his Apple][C.
If anybody knows of such a creature, please send me mail. Thanks.

From 173290480458486019
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a33529fc7b3460cb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-02 11:36:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!gordon
From: gordon@utcs.uucp (Steve Gordon - Erindale)
Newsgroups: net.micro.apple
Subject: termcaps
Message-ID: <1008@utcs.uucp>
Date: Mon, 2-Dec-85 14:36:55 EST
Article-I.D.: utcs.1008
Posted: Mon Dec 2 14:36:55 1985
Date-Received: Mon, 2-Dec-85 14:42:37 EST
Organization: University of Toronto - General Purpose UNIX
Lines: 8

Does anyone out there run ASCII express on their Apple][+ ???
if so, do you have a termcap which I can use??

Thanks in advance -steve

Please respond with mail
..!utcs!gordon

From 7906831389449964289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6269bd6362c183,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-02 22:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!ab364
From: ab364@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Leaving apple on 24hrs?
Message-ID: <9800024@uiucuxa>
Date: Tue, 3-Dec-85 01:40:00 EST
Article-I.D.: uiucuxa.9800024
Posted: Tue Dec 3 01:40:00 1985
Date-Received: Fri, 6-Dec-85 06:55:09 EST
Lines: 16
Nf-ID: #N:uiucuxa:9800024:000:548
Nf-From: uiucuxa.CSO.UIUC.EDU!ab364   Dec 3 00:40:00 1985

I have recently started a habit of leaving my Apple II+ on 24hrs. Does anyone
else do this? What kind of problems can I expect? Is it safe? Responses from

people with actual experience will be appreciated.

In case it is important, I have:
         Apple II+ w/ 48k
         16k Andromeda "Language Card"
         Apple parallel printer card
         Prometheus 1200A modem
         Videx 80 column card
         Disk II controller w/ 2 drives (apple)

Please respond via email, and I will post the results.

ihnp4!uiucdcs!uiucuxc!uiucuxa!ab364

From 7889932581992656334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 06:38:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site pucc-h
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!pucc-j!pucc-h!ags
From: ags@pucc-h (Dave Seaman)
Newsgroups: net.micro.apple
Subject: Re: Re: prodos on an apple][+ (old question
Message-ID: <2495@pucc-h>
Date: Tue, 3-Dec-85 09:38:26 EST
Article-I.D.: pucc-h.2495
Posted: Tue Dec 3 09:38:26 1985
Date-Received: Fri, 6-Dec-85 06:41:31 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP> <226@scbhq.UUCP>
Reply-To: ags@pucc-h.UUCP (Dave Seaman)
Organization: Purdue University Computing Center
Lines: 13

In article <226@scbhq.UUCP> sdp@scbhq.UUCP writes:
>In the PROM, my version of ProDos 1.0.1 looks for the words
>"Apple][", and in the disk drive it looks for a bit pattern in the
>drive controller card to make sure it is an Apple card.
                ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>While looking at the disk controller it determins if there is a ProFile
> or if it is a 5 1/2" disk drive.

I have booted ProDos on non-Apple disk controller cards, so part of this
claim is untrue. I suspect ProDos is just trying to figure out whether
it has a disk controller, and if so, what type.
--
Dave Seaman   {decvax|harpo|ihnp4|inuxc|seismo|ucbvax}!pur-ee!pucc-h!ags

From 795051295810294389
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,57d6326dd71cf19e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 08:38:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!lll-crg!ucdavis!ucbvax!
decvax!ittatc!dcdwest!sdcsvax!noscvax!tetra!jtjones
From: jtjones@tetra.UUCP (Jeffrey T. Jones)
Newsgroups: net.micro.apple
Subject: Apple][+ vs //e board compatability
Message-ID: <116@tetra.UUCP>
Date: Tue, 3-Dec-85 11:38:13 EST
Article-I.D.: tetra.116
Posted: Tue Dec 3 11:38:13 1985
Date-Received: Fri, 6-Dec-85 07:59:20 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 31

[]

I'm looking for some information on the compatability of some of my][+ cards
with a //e.

Specifically, can I use the following cards in a //e?

1. Hayes Micromodem][
2. Microsoft Softcard
3. Videx Ultraterm

I'm pretty sure the micromodem][works, and I know the ultraterm partially
does, but I'm quite unsure about the softcard and am hesitant about trying
it out since I think I remember hearing about some (major??) problems using
it in the //e. I know Microsoft later came out with a Softcard //e, but why.

Also, even though the Ultraterm works fine by itself, if you have an extended
80-column card (or equiv.) installed, can you use some of the different modes
of the Ultraterm (like 80x48 or 128x32) and still be using the auxillary memory?
Or do you have to use the 80-col mode on the extended card?

Any help would be greatly appreciated. Thanks all.
Jeff Jones
--
Any opinions expressed above are soley my own and have NO connection with the
thoughts of NOSC, NAVELEX, or the U.S. Government to the above subject.
--
Jeffrey T. Jones
Naval Ocean Systems Center
Code 811 - VHSIC Project Office
jtjones@nosc.ARPA
San Diego, CA 92152
{ihnp4,decvax,ucbvax}!sdcsvax!noscvax!jtjones
(619) 225-7815/6143

From 7288562237249715676

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 12:26:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: New megabyte Apple card?
Message-ID: <317@uwai.UUCP>
Date: Tue, 3-Dec-85 15:26:35 EST
Article-I.D.: uwai.317
Posted: Tue Dec 3 15:26:35 1985
Date-Received: Thu, 5-Dec-85 07:08:31 EST
Distribution: net
Organization: U of Wisconsin CS Dept
Lines: 14

Does anyone know how the new megabyte Apple card works? Since it does
not plug into the auxiliary slot it looks like it is not similar to
the Ramworks card. Because it works on the II+ I assume that it has
some firmware that one can use to make requests for chunks of memory
(like 256 byte chunks). Is this true? Does it have any hooks for
other processors?

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 3198754741079531045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9edbaa4ac6ca882,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 14:39:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!ucdavis!ucbvax!decvax!ittatc!
dcdwest!sdcsvax!noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: apple graphics tablet
Message-ID: <117@tetra.UUCP>
Date: Tue, 3-Dec-85 17:39:29 EST
Article-I.D.: tetra.117
Posted: Tue Dec 3 17:39:29 1985
Date-Received: Sat, 7-Dec-85 16:44:24 EST
Distribution: net

Organization: Naval Ocean Systems Center, San Diego
Lines: 6

I am posting this for an acquaintance. He lost his Apple system to a burgler with the exception of the old Apple Graphics Tablet. Apple Computer, Inc. has not supported the tablet in about three years. My acquaintance would like to find someone who has the software to support the tablet. Or maybe someone who is interested in buying the thing. Anyone out there know something about the Apple Graphics Tablet software, etc.?

From 1275523348089199083
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,91500fe2b7eb2cdd,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,91500fe2b7eb2cdd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 14:59:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!burgin
From: burgin@ecsvax.UUCP (Robert Burgin)
Newsgroups: net.micro.apple,net.micro.pc
Subject: Backgammon for Apple, IBM
Message-ID: <843@ecsvax.UUCP>
Date: Tue, 3-Dec-85 17:59:58 EST
Article-I.D.: ecsvax.843
Posted: Tue Dec 3 17:59:58 1985
Date-Received: Fri, 6-Dec-85 06:34:41 EST
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 4
Xref: watmath net.micro.apple:2383 net.micro.pc:6087

Can anyone recommend a good backgammon program for either the Apple IIc or the IBM PC? I'd like as much information (price, address) as possible. Thanks.

From 7043071609371983140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,79e9fe0a2e72932e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-03 22:02:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc13.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcc3!sdcc13!33500911
From: 33500911@sdcc13.UUCP ({|lit})
Newsgroups: net.micro.apple
Subject: Re: Apple IIC to Apple IIE Bus Convertor
Message-ID: <384@sdcc13.UUCP>
Date: Wed, 4-Dec-85 01:02:16 EST

Article-I.D.: sdcc13.384
Posted: Wed Dec 4 01:02:16 1985
Date-Received: Sat, 7-Dec-85 14:58:39 EST
References: <> <886@nmtvax.UUCP>
Reply-To: 33500911@sdcc13.UUCP (Jimmy the Kid)
Distribution: net
Organization: U.C. San Diego, School of Bartending
Lines: 47

In article <886@nmtvax.UUCP> kenyon@nmtvax.UUCP (Rob Kenyon) writes:

> That could be very difficult to do. It would really play havoc with
> programs written for the //c as many of the internal locations are moved.
> Things aren't in normal locations as though they were in a slot.
> In a //c, apple knew where everything was going to be (you can't just throw
> in a 3.6M 6502) and it appears that io rom swap space doesn't (on a //
> you can decide which card to look at by telling the others to get out and
> swaping in the ones you want.) This doesn't appear to happen on a //c.
> (Note that I used the word "appear." I haven't hacked that hard on a //c,
> but there is something funky in the roms.)
>

Yes, there is something funny in the //c MMU. On regular apples,
you must access $CFFF to tell the other cards to stop using the
expansion area ($C800-$CFFF). After that, you have to access one
of the valid addresses within the ROM of the peripheral card you
want to have switched in. If you don't access $CFFF (and depending
on how smart your cards are) the old ROM bank is kept in, causing
notable havoc.

The //c does all this bank switching automatically. If you access
one "card", and then another, the $C800-$CFFF area is switched
automatically. (You can do this kind of thing when you know that
there is one and only one "card" built in for each function (and you
know exacly where it will be.))

NOT TO MENTION: More I/O ports and "switches" ($C000-$C0FF) were
added to the //c. This may still cause MMU problems.

Good luck trying to get the MMU to recognize a 3.6Meg 6502 though.
:-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-) :-)

But seriously, by the time you hack through all the address
management and I/O problems, you'll have a //e and not a //c.

--
                          - Jim Hayes
                            UCSD.

UUCP: {ihnp4,ucbvax,decvax, etc.}!sdcsvax!sdcc13!33500911
ARPA: 33500911%sdcc13@SDCSVAX.ACC.EDU
Ma Bell: (619) 450-9316

"Perhaps whoever designed it had eyes that responded to different
wavelengths..."

From -4959424782282673454
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-04 13:00:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!rochester!pt.cs.cmu.edu!
ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: New megabyte Apple card? (Standards for memory cards)
Message-ID: <250@ius2.cs.cmu.edu>
Date: Wed, 4-Dec-85 16:00:30 EST
Article-I.D.: ius2.250
Posted: Wed Dec 4 16:00:30 1985
Date-Received: Sat, 7-Dec-85 04:43:12 EST
References: <317@uwai.UUCP>
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 13

In article <317@uwai.UUCP> neves@uwai.UUCP writes:
>Does anyone know how the new megabyte Apple card works? Since it does
>not plug into the auxiliary slot it looks like it is not similar to
>the Ramworks card....

The IBM PC community seems to have their act together more than we do, with
the Lotus-Intel-Borland extended memory spec. Why can't there be a
hardware/software standard for addressing more than 64K and 128K of memory?
Does Apple plan to do anything about this except hope that third-party
vendors adopt the 'standard' embodied in their card?

                        - Ralph

From -7812228630221535606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13ba0e,dba1716020d1396b,start
X-Google-Attributes: gid13ba0e,public
X-Google-Thread: 1622d3,dba1716020d1396b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-04 23:22:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!pow
From: pow@ecsvax.UUCP (Bill Powell)
Newsgroups: net.micro.apple,net.periphs

Subject: DAK1200 Baud Modem
Message-ID: <854@ecsvax.UUCP>
Date: Thu, 5-Dec-85 02:22:40 EST
Article-I.D.: ecsvax.854
Posted: Thu Dec 5 02:22:40 1985
Date-Received: Fri, 6-Dec-85 07:58:16 EST
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 49
Xref: watmath net.micro.apple:2386 net.periphs:929

My aplologies for those who have already seen this article,
but I received some mail that said the whole article didn't
make it to the net.

Recently, I've seen two requests for info. on the DAK1200 modem on the
net. I don't own one, but I am in the market for a Hayes Compatible
1200 baud modem. A friend recently purchased one, and I was able to
try it for a few days. I was using an IBM XT with Smarterm 100, a VT100
emulator. I set up macros to do auto dialing and logon on four
different systems. Everything was fine in connecting to two of the
systems, but the modem would not detect the carrier of the other two.
In the two systems that I was able to connect to, I would first hear
the 300 baud carrier, then about a half second delay, and next the
DAK's 1200 baud PSK carrier.

On the two systems that the DAK couldn't detect the carrier for, I then
tried connecting with a UDS1200LP 1200 baud only modem, which worked.
I also used an Apple IIe with a Micromodem IIe and Softerm II, and
was able to again connect to those systems (at 300 baud).

I wonder if these modems are being sold so cheaply ($169. + $6. P&H)
due to this and who knows what other problems (although I experienced
no other problems). This modem was even able to send a Break Character
at 1200 baud, which other low cost modems seem to have trouble with.
I did not put this modem through a series of exhaustive Hayes type
tests, and only used it as described above. Has anyone else had this
problem ?

I have another friend that has had a Prometheus Promodem 1200 for about
a year, with no problems. Since the mailorder price is down to $269.
(Compumail, Dec. 85 Byte, p.470 - (805)987-7015), I think I'll pay
a little more for the insurance!

Since I wrote the above, my friend that owned the DAK 1200 has tried
connecting to every computer and bulletin board that he could find the
number for. He said that the only two computers that he could 'not'
connect to were the ones that I could also not connect to (I think
he's tried at least 10 systems). The two systems in question are
two numbers for our company's computers (ITT Telecom), which I
think are 2400/1200/300 baud modems from Multi-Tech.

He says that he's buying the modem anyway, due to the savings and

the excuse that he has now not to be able to do company work at home!

I went ahead and bought the Prometheus Promodem 1200 which I am now
using (and very happy with!). Unfortunately, Compumail raised their
price to $299. when I called to order it, so I bought it from
Logicsoft for $284. instead (who also refused to sell it to me for
the terms that they had advertised).

From 1663489054173241771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6269bd6362c183
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 09:34:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Leaving apple on 24hrs?
Message-ID: <9800025@uiucuxa>
Date: Thu, 5-Dec-85 12:34:00 EST
Article-I.D.: uiucuxa.9800025
Posted: Thu Dec 5 12:34:00 1985
Date-Received: Sat, 7-Dec-85 04:50:29 EST
References: <9800024@uiucuxa>
Lines: 13
Nf-ID: #R:uiucuxa:9800024:uiucuxa:9800025:000:530
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Dec 5 11:34:00 1985

There shouldn't be any problems...As a Bulletin Board System Operator,
I have been doing this for quite some time, and have had no troubles.
I know of some systems that have been on 24 hours for over 3 years
without any major hardware troubles except for the disk drives (They
were in constant use, and as being mechanical in nature, they would
be the first to fail! ((They were in use because a BBS is a message
base, and the message must be read from disk every time it is
accessed)))...

Benjy Mouse
University of Illinois
ZZ

From 5256633129495283009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,274070a62894af54,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 09:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256

From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Apple BBS
Message-ID: <9800026@uiucuxa>
Date: Thu, 5-Dec-85 12:41:00 EST
Article-I.D.: uiucuxa.9800026
Posted: Thu Dec 5 12:41:00 1985
Date-Received: Sat, 7-Dec-85 04:51:04 EST
Lines: 27
Nf-ID: #N:uiucuxa:9800026:000:1001
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Dec 5 11:41:00 1985

  Hi everyone...If anyone is interested, I'm running a Bulletin Board
System in the Champaign, IL area....

It operates from 6pm-8am, is 300/1200/2400 Baud, and has a 10 megabyte
hard drive on-line, with downloads, electronic mail, 8 sub-boards
(message areas), and 9 libraries.

The download section has several areas for IBM, Apple, TI, RS/Tandy, and
Commodore...although since the download section just went up, only
IBM and Apple are well established.

217-359-4450
300/1200/2400 Baud
10 Megabytes
Six pm to Eight am

Note: I just got the Sider Hard drive from First Class Peripherals, and
 it has functioned FANTASTICALLY! The new drive mechanism solves the
 "grinding" noise problems, and it is quieter than my old Disk]['s.
 FCP forgot to include a manual, and I received a bad installation disk,
 but the customer service number is an 800 number, and I received the
 new manual and disk in one week (and half of that week was Thanksgiving
 holiday)

Benjy Mouse
University of Illinois

From -9199217108367524105
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c464dcca07ea80c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 12:25:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!lll-crg!ucdavis!ucbvax!
decvax!ittatc!dcdwest!sdcsvax!noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: ProDos change directory

Message-ID: <120@tetra.UUCP>
Date: Thu, 5-Dec-85 15:25:01 EST
Article-I.D.: tetra.120
Posted: Thu Dec 5 15:25:01 1985
Date-Received: Mon, 9-Dec-85 03:07:16 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 30

Thanks for the various responses to my request for information on how to change directories in ProDos. I must confess that I have not yet had a chance to put these ideas into practice. One thing still seems unclear, however. Namely, that 'changing a path' does not sound like changing directories in the UNIX or MS-DOS sense. To me, changing directories means that when you list the directory, you see only names of files belonging to the directory into which you just moved. It is possible, by giving the full path, to examine or execute a file in a different directory in UNIX without leaving the current working directory, as in..

```
% more ~rupp/Documentation/filename
```

That is not changing directories, however, which in UNIX is..

```
% cd ~rupp/Documentation
```

Now you are in the directory called Documentation and can examine the file without using the full path, as in..

```
% more filename
```

I will have to experiment to find out how similar UNIX and ProDos really are in this regard.

////////////////////////////////////\\

    It has occurred to me that I have never included a disclaimer in my
       postings to the net, so here is one. "It was all my fault!"

\\////////////////////////////////////

From 3710252901426630844
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbc251a3a91a4352,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 15:00:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site grkermi.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!lll-crg!ucdavis!ucbvax!
decvax!genrad!grkermi!andrew
From: andrew@grkermi.UUCP (Andrew W. Rogers)
Newsgroups: net.micro.apple
Subject: system date under Pascal 1.2?

Message-ID: <730@grkermi.UUCP>
Date: Thu, 5-Dec-85 18:00:09 EST
Article-I.D.: grkermi.730
Posted: Thu Dec 5 18:00:09 1985
Date-Received: Sat, 7-Dec-85 21:25:50 EST
Reply-To: andrew@grkermi.UUCP (Andrew W. Rogers)
Distribution: net
Organization: GenRad, Inc., Concord, Mass.
Lines: 9

Does anyone know how to retrieve the system date under Apple Pascal 1.2
(128K, Apple][e and/or //c)?

I already know how to access memory locations via variant records, so
all I really need to know is a) where it is, and b) its format.

Thanks,

AWR

From -8209073691813564761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ddb45a68aac187b9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 16:04:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mgwess.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!mgwess!dgb
From: dgb@mgwess.UUCP (Donald Beahm)
Newsgroups: net.micro.apple
Subject: Re: X10 System
Message-ID: <14966@mgwess.UUCP>
Date: Thu, 5-Dec-85 19:04:03 EST
Article-I.D.: mgwess.14966
Posted: Thu Dec 5 19:04:03 1985
Date-Received: Sat, 7-Dec-85 03:25:03 EST
References: <2572@sjuvax.UUCP>, <334@muddcs.UUCP>
Organization: AT&T Information Systems - Montgomery Illinois
Lines: 16
Keywords: BSR, Timemaster

     I can offer nothing but good things about the TIMEMASTER
II H. O., I have been using it for almost a year in DOS 3.3 and
ProDOS with great success. I bought mine a month or two before
the APPLEWORKS update came out and had to *unfortunatly* pay $20
more for that feature. However the latest TM II H.O. includes
this option which is very handy if you use APPLEWORKS.

     Being a UNIX user by day and an APPLE user by night I
find it makes the two systems very similar. All of the reviews
I've read in the magazines rate the Timemaster as #1.

Don Beahm
AT & T-IS
Montgomery Works

From -3154469229231407608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b186d9c874879c5e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-05 22:36:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ritcv!sji2796
From: sji2796@ritcv.UUCP
Newsgroups: net.micro.apple
Subject: Applewriter in 80 columns
Message-ID: <9124@ritcv.UUCP>
Date: Fri, 6-Dec-85 01:36:16 EST
Article-I.D.: ritcv.9124
Posted: Fri Dec 6 01:36:16 1985
Date-Received: Sat, 7-Dec-85 17:18:22 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 8
Summary: HELP!!!

[]

I have an Apple][+ with a Videx Videoterm 80 column card. The card works fine with Pascal and from BASIC with a PR#3 command, but Applewriter refuses to acknowledge it. Applewriter is written to pick up an 80col card in slot 3. The Applewriter manual lists many recommended cards, to be placed in slot 3, which will give word processing in 80 columns.

From -7309094594307472449
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 01:02:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: Re: New megabyte Apple card? (General Apple Info)
Message-ID: <2236@reed.UUCP>
Date: Fri, 6-Dec-85 04:02:17 EST
Article-I.D.: reed.2236
Posted: Fri Dec 6 04:02:17 1985

Date-Received: Sat, 7-Dec-85 20:30:18 EST
References: <317@uwai.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 137
Summary: everything you ever wanted to know about new Apples...(long)

In article <317@uwai.UUCP> neves@uwai.UUCP writes:
>Does anyone know how the new megabyte Apple card works? Since it does
>not plug into the auxiliary slot it looks like it is not similar to
>the Ramworks card. Because it works on the II+ I assume that it has
>some firmware that one can use to make requests for chunks of memory
>(like 256 byte chunks). Is this true? Does it have any hooks for
>other processors?
>
>--
>David Neves
>Computer Sciences Department
>University of Wisconsin-Madison
>
>Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
>Arpanet: neves@uwvax

For answers to these and many other questions, I once again put in a plug for "Open-Apple", the best magazine for the money ($2 an issue). It's small but packed with info, no adds. In Vol. 1, No. 11 (December '85):

"As mentioned here in October (page 73), Apple's card uses an addressing scheme that is completely different from any other card on the market.

. . .

You read from or write to Apple's card by peeking or poking byte 49283+(SLOT*16).(In hex that's C083+S0, where S is the slot number). You can transfer a sequential group of bytes between the card and memory faster than you can tranfer the same group from one part of memory to another. This is because hardware on the card automatically increments to the next byte. Your program just keeps peeking or poking at the same peephole.

A disadvantage with this scheme, however, is that it's impossible to run a program while it's on the card. Programs must be moved into main memory first. This isn't a major disadvantage, however, since it's _almost_ impossibler to run a program stored in multiple auxilory memory banks, too.

. . .

As simply a storage device, Apple's card is very clever. You can tell the card what byte you want to appear in the peephole by placing

that byte's address in 49280-49282 (+SLOT*16), low byte first. It uses any standard slot except slot 3, which means it works with a II-Plus as well as a IIe. It won't interfere with interrupts as auxiliary-memory RAM cards sometimes do. Nice card. Too bad the auxiliary-memory cards have already set a standard in this area."

Also, on the subject of //c's, here's another little tidbit from "Open-Apple":

"Th UniDisk 3.5 upgrade enhances the Apple IIc. the upgrade, which is free to purchasers of teh UniDisk, involves a motherboard change. The new board has 32K of ROM where before there was only 16. In addition to the machine language code needed by the UniDisk, the ROM includes more commands for the IIc serial ports (including the XON/XOFF protocal that was previously missing, as discussed here last month on page 84). After an upgrade, the ports are closely compatible with Apple's Super Serial Card. The new ROM also includes a miniassembler, like the enhanced IIe.

. . .

The unused cassette switch at $C028 toggles the two 16K banks of ROM on and off (see May, page 39). No switch is available to read the current bank status, however. The traditional ID bytes for the new ROM (see May, page 40) are the same as the original IIc. You can tell the difference by looking at $FBB3. An $FF ther indicates an original IIc, a zero indicates a 32K ROM.

There's lots of magic in the UniDisk connection, too. It's really more than that. Apple's documentation call it CBUS--it's a non-standard high-speed serial connection for "intelligent" paripherals. Peripherals become intelligent when they have a microprocessor and software in them. Subsciber Tom Vier has discovered that inside each UniDisk 3.5 there's a 6502 microprocessor, ROM, RAM, and one of Apple's IWM chips. The CBUS interface appears to allow up to 127 devices to be connected to an Apple II in a daisy-chain--including character-oriented devices such as printers and modems. Isn't that interesting?"

I think it is. I mentioned a while ago that when I was playing with one of Apple's very own //c's I got the message "AppleTalk not connected". Now I think I see why. It seems to me that //c's are going to be Apple's main connection to the Mac. I know that AppleTalk can accept up to 65535 different devices, but that because of software, it could take several minutes to get a unique identification number. I guess that Apple decided 32 was too small a number and 127 didn't take too long. Another tidbit of romour I hear is that the Mac System is getting closer and closer to ProDos. Remember SOS? Looks like Apple has something similar in mind.

Apple also looks like it's going to reduce proces on //e's and //c's. They should be about:

$945---64K //e w/ extended 80-column

$995---//c with b/w monitor
$1245--//c with color monitor.
I assume $1195 for a //e with ex-80-column & color monitor.

also, $299 for the 256K RAM II

Apple will sell more memory for $69 per $256, making 1meg $506. You
could do it a little cheaper yourself.

(these prices from, you guessed it, Open-Apple!)

The //e was the best selling computer in the US retail computer stores
in September (IBM was a paultry third...:-)).

Well, enough informative quoting of Open-Apple. If you're interested in
recieving it, write: Open-Apple
                      P.O. Box 7651
                      Overland Park, Kans. 66207   U.S.A.
                      Source Mail: TCF238
                      CompuServe: 70120,202

Sean Kamath

UUCP: {ihnp4,teklds,decvax,ucbcad}!tekronix!reed!kamath

Disclaimer:

All quotes from Open-Apple reprinted without permission (I doubt Tom
Weishaar [pronounced "wise-ar"] will mind, especially with all my plugs
for the magazine [Really a newsletter :-)] ;-)).

I have no connection whatsoever with Open-Apple, am not payed by them,
nor are they in any way responsible for anything I shall ever write
about/to/with/including them or whatever they write about etc.

Reed and I have a harmonious coexistance right now, and they shouldn't
suffer from my ramblings, either. (-:

All spelling errors are my own.

From -2675210274836040110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45b1a6f4677001a1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 07:24:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site ada-uts.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!harvard!bbnccv!ada-uts!
knowles
From: knowles@ada-uts.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response

Message-ID: <16500001@ada-uts.UUCP>
Date: Fri, 6-Dec-85 10:24:00 EST
Article-I.D.: ada-uts.16500001
Posted: Fri Dec 6 10:24:00 1985
Date-Received: Wed, 11-Dec-85 02:58:46 EST
References: <4370@garfield.UUCP>
Lines: 6
Nf-ID: #R:garfield:-437000:ada-uts:16500001:177600:203
Nf-From: ada-uts!knowles   Dec 6 10:24:00 1985

I would be interested in your Kermit. Please send your uucp or
arpa address so I can contact via e-mail.

thanks   Dick Knowles Intermetrics
                            ihnp4!inmet!ada-uts!knowles

From 3296658138816868560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 07:31:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!houxm!vax135!cornell!uw-beaver!apollo!faubel
From: faubel@apollo.uucp (Ken Faubel)
Newsgroups: net.micro.apple
Subject: Re: New megabyte Apple card?
Message-ID: <2a905ed0.4237@apollo.uucp>
Date: Fri, 6-Dec-85 10:31:27 EST
Article-I.D.: apollo.2a905ed0.4237
Posted: Fri Dec 6 10:31:27 1985
Date-Received: Sat, 7-Dec-85 20:49:43 EST
References: <317@uwai.UUCP>
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 27

   I have one of the new "Apple Extended Memory Cards" and I am very impressed. Apple did
the right thing when the choose to put it into a regular][,][+, //e card slot. Even
though I have a //e, I am pleased to see the commitment to the older machines. The new
card has 32 RAM sockets of which 8 come filled with 256K chips for $299.00. For about
$75.00 (mail order) you can populate the rest of the board and have a full megabyte. The
card also has a large chip carrier with what looks like a 64 pin package in it. This
handles the address decoding and the firmware. For most purposes it looks like a

PRODOS
block device. As for the operation, it supports DOS 3.3, ProDos, and Apple Pascal (version 1.3 only).

From DOS 3.3 all you do is type IN#n where n is the slot number and the card is set to work like a RAM drive. DOS 3.3 can only use 512K according to the manual. To use the RAM drive just refer to it as drive 1 in slot n.

To use PRODOS all you have to do is use the formatter on slot n and away you go. The signature byte shows that it is a PROFILE device. After loading the system files into the card I typed PR#4 (my card is in slot 4) and in less than two seconds it was waiting for input.

I am waiting to get the new Pascal system so that I can load the entire operating system onto the card and not have to wait for the disk any more.

There are interfaces to the card that let programs like Appleworks use the RAM directly but this is not specified in the small manual that came with the card. I have also heard rumurs about a 68000 card due out from Apple that is supposed to access the memory on this card. (There are no external jacks or plugs on the card so all access must use the slot interface to the mother board.)

Has anybody else heard about a 68K product or a //x machine.

Ken Faubel decvax!wanginst!apollo!faubel

From -3904374557813684116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,274070a62894af54
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 08:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucdcs
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!ekblaw
From: ekblaw@uiucdcs.CS.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Apple BBS
Message-ID: <33100014@uiucdcs>
Date: Fri, 6-Dec-85 11:15:00 EST
Article-I.D.: uiucdcs.33100014
Posted: Fri Dec 6 11:15:00 1985
Date-Received: Tue, 10-Dec-85 06:26:45 EST
References: <9800026@uiucuxa>
Lines: 7
Nf-ID: #R:uiucuxa:9800026:uiucdcs:33100014:000:199
Nf-From: uiucdcs.CS.UIUC.EDU!ekblaw Dec 6 10:15:00 1985

Great! The Champaign-Urbana Apple Users Group has tried to start a billboard with minor success. I was afraid I'd never see one in this area! Sign me up!

Robert A. Ekblaw
University of Illinois

From -767961825246292829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b6269bd6362c183
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 08:54:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gumby.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!uwvax!gumby!kucharsk
From: kucharsk@gumby.UUCP
Newsgroups: net.micro.apple
Subject: Re: Leaving apple on 24hrs?
Message-ID: <27@gumby.UUCP>
Date: Fri, 6-Dec-85 11:54:46 EST
Article-I.D.: gumby.27
Posted: Fri Dec 6 11:54:46 1985
Date-Received: Sun, 8-Dec-85 03:19:13 EST
References: <9800024@uiucuxa>
Organization: U of Wisconsin CS Dept
Lines: 26

> I have recently started a habit of leaving my Apple II+ on 24hrs. Does anyone
> else do this? What kind of problems can I expect? Is it safe? Responses from
> people with actual experience will be appreciated.
>
> In case it is important, I have:
>   Apple II+ w/ 48k
>   16k Andromeda "Language Card"
>   Apple parallel printer card
>   Prometheus 1200A modem
>   Videx 80 column card
>   Disk II controller w/ 2 drives (apple)
>
> Please respond via email, and I will post the results.
>
> ihnp4!uiucdcs!uiucuxc!uiucuxa!ab364

    You shouldn't have any major problems with leaving it on all the time, except maybe a heat problem because you have so many of your slots filled. If the 24 hour stints aren't going to last long - no big deal, but if you intend to leave it that way for the rest of its life, it might be wise to invest in one of the many Apple fans on the market, or perhaps a small muffin fan. I hope this helps

Bill Kucharski
University of Wisconsin - Madison

From -9156140829127465703

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,ca681ff096f941c5,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,ca681ff096f941c5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 13:53:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site lzaz.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!lzaz!psc
From: psc@lzaz.UUCP (Paul S. R. Chisholm)
Newsgroups: net.micro.apple,net.micro.mac
Subject: No Apple ad in Superbowl XX (1986)
Message-ID: <430@lzaz.UUCP>
Date: Fri, 6-Dec-85 16:53:10 EST
Article-I.D.: lzaz.430
Posted: Fri Dec 6 16:53:10 1985
Date-Received: Sat, 7-Dec-85 20:29:44 EST
Organization: AT&T-IS Enhanced Network Services
Lines: 19
Xref: watmath net.micro.apple:2392 net.micro.mac:3707

< Oxygen is for people who can't take New Jersey >

It seems the "Apple Superbowl ad" has gone the way of Steve Jobs.

According to the December 2, 1985, ADVERTISING AGE, Apple is one
of several advertisers that have decided not to advertise again
in the upcoming Superbowl. ComputerLand and Cullinet are two
other computer companies that advertised last year, but dropped
out this time. IBM, which bought three thirty second spots last
year, will have only one. Ad rates are up from $1 million to
$1.1 million for a one minute ad.

They didn't say whether Next, Inc., would be advertising.-)
--
       -Paul S. R. Chisholm   The above opinions are my own,
       {pegasus,vax135}!lzwi!psc not necessarily those of any
       {mtgzz,ihnp4}!lznv!psc   telecommunications company.
       (*sigh* ihnp4!lzwi!psc does *NOT* work!!! Use above paths.)
NOMINATE MARK LEEPER (mtgzz!leeper): HUGO AWARD FOR BEST FAN WRITER IN 1986

From 456998793640083296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,da95141e48c81802,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-06 19:18:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site think.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!think!ejb
From: ejb@think.ARPA (Erik Bailey)
Newsgroups: net.micro.apple
Subject: New //c Rumor - DEATH!

Message-ID: <3623@think.ARPA>
Date: Fri, 6-Dec-85 22:18:56 EST
Article-I.D.: think.3623
Posted: Fri Dec 6 22:18:56 1985
Date-Received: Sat, 7-Dec-85 20:42:58 EST
Reply-To: ejb@godot.UUCP (Erik Bailey)
Distribution: net
Organization: Thinking Machines, Cambridge, MA
Lines: 19

I cannot vouch for the validaty of this, and do not believe it myself.
But it was heard from two independant distributors today. Comments welcome.

"Apple Compute will cease production of the Apple //c come the January
 shareholder's meeting."

Not a quote, but that's the deal.
--

Erik Bailey   -- 7 Oak Knoll   (USENET courtesy of
ihnp4!godot!ejb   Arlington, MA 02174   Thinking Machines Corp.
ejb@think.com.arpa   (617) 643-0732   Cambridge, MA)

"I was walking in a forest one day and a tree fell in front of me,
 and I didn't hear it."

From 1321942501983337194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b186d9c874879c5e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-07 06:36:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site jhunix.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!umcp-cs!aplcen!jhunix!
ins_aeas
From: ins_aeas@jhunix.UUCP (Earle A .Sugar)
Newsgroups: net.micro.apple
Subject: Re: Applewriter in 80 columns
Message-ID: <1387@jhunix.UUCP>
Date: Sat, 7-Dec-85 09:36:05 EST
Article-I.D.: jhunix.1387
Posted: Sat Dec 7 09:36:05 1985
Date-Received: Mon, 9-Dec-85 03:11:41 EST
References: <9124@ritcv.UUCP>
Distribution: net
Organization: The Johns Hopkins University
Lines: 21

>
> []
>
> I have an Apple][+ with a Videx Videoterm 80 column card. The card works
> fine with Pascal and from BASIC with a PR#3 command, but Applewriter refuses
> to acknowledge it. Applewriter is written to pick up an 80col card in slot 3.
> The Applewriter manual lists many recommended cards, to be placed in slot 3,
> which will give word processing in 80 columns.
You need to buy an Applewriter pre-boot disk from Videx (~$25). This is the
only easy way to run applewriter on a Videoterm (or Ultraterm).

--

Earle A. Sugar
Disclaimer:"I doubt anyone else here agrees with me."
          USENET: ...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_aeas
          CSNET:ins_aeas@jhunix.csnet
          ARPA:ins_aeas%jhunix.csnet@csnet-relay.arpa
       BITNET: INS_BEAS@JHUVMS (as a last resort)
       or call 301-889-0815 after 6 P.M. EST

From -5438800786441715201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,57d6326dd71cf19e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-08 11:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Apple][+ vs //e board compatabilit
Message-ID: <9800027@uiucuxa>
Date: Sun, 8-Dec-85 14:59:00 EST
Article-I.D.: uiucuxa.9800027
Posted: Sun Dec 8 14:59:00 1985
Date-Received: Tue, 10-Dec-85 06:19:32 EST
References: <116@tetra.UUCP>
Lines: 11
Nf-ID: #R:tetra.UUCP:116:uiucuxa:9800027:000:548
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Dec 8 13:59:00 1985

  The Hayes Micromodem][will work just fine with the //e, however, there
may be some problems with the Microsoft Softcard...I believe that if you have
an extended 80-column card in slot 0, you may have some trouble with it. When
I boot up the Microsoft CP/M disk, the screen clears, and goes into 80-column
mode, but doesn't display anything. The card worked fine on my][+, but it
hasn't worked too well (ie not at all) on my //e...I'm going to see if its
something I'm doing, but I don't think it's me...

Benjy Mouse
University of Illinois

From -4394842736143245255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-08 19:50:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!rochester!pt.cs.cmu.edu!
ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: New megabyte Apple card?
Message-ID: <256@ius2.cs.cmu.edu>
Date: Sun, 8-Dec-85 22:50:58 EST
Article-I.D.: ius2.256
Posted: Sun Dec 8 22:50:58 1985
Date-Received: Wed, 11-Dec-85 03:04:31 EST
References: <317@uwai.UUCP> <2a905ed0.4237@apollo.uucp>
Organization: Carnegie-Mellon University, CS/RI
Lines: 21

In article <2a905ed0.4237@apollo.uucp> faubel@apollo.uucp (Ken Faubel) writes:
...
>   Has anybody else heard about a 68K product or a //x machine.

All I've heard about the next Apple // is that the case will be the same color
as the //c.   A 68020 coprocessor card would be nice, but it won't mean much
unless they provide a sensible bitmap graphics mode with it.

Maybe an Apple // with a 680x0 processor, Unidisks & Hard disk, a sensible
bitmap and a few Meg of memory will be another of the 'future Macs' Apple's
talking about. That would be a machine work buying, since I could run
Apple //, Mac, and probably even Unix applications on it...

(And with z-80/HD64180 and 8088/80286/80386 coprocessor cards, I could even
run CP/M and MS-DOS applications. Talk about disk format nightmares!)

                        - Ralph

From -5201758763827751316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,782874082b79b14a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-08 19:57:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!rochester!pt.cs.cmu.edu!
ius2.cs.cmu.edu!ralphw

From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Need 80-col mods to MicroSoft Basic or Apple Monitor ROM
Message-ID: <257@ius2.cs.cmu.edu>
Date: Sun, 8-Dec-85 22:57:39 EST
Article-I.D.: ius2.257
Posted: Sun Dec 8 22:57:39 1985
Date-Received: Wed, 11-Dec-85 03:04:43 EST
Organization: Carnegie-Mellon University, CS/RI
Lines: 9

I have some software that assumes you have a lowercase chip in your
][+, and I'd really like to be able to use it with my 80-col card.
(a ViewMax-80, supposedly compatible with the Videx VideoTerm)

Has anyone modified the Monitor ROM or the Applesoft HOME, HTAB & VTAB
commands to work only with an 80-column card? Monitor ROM changes would
be preferable since I need scrolling window support as well. Thanks.

                        - Ralph

From -6625129217343540734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8e88097028bb7ef2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-08 20:14:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: apple //c and imagewriter II
Message-ID: <2250@reed.UUCP>
Date: Sun, 8-Dec-85 23:14:31 EST
Article-I.D.: reed.2250
Posted: Sun Dec 8 23:14:31 1985
Date-Received: Tue, 10-Dec-85 06:20:00 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 27

[yukyukyukyukyukyukyukyukyukyukyukyukyukyukyuk...]

It seems that I'm having a spot of trouble with an imagewriter II and a
//c. For some reason, if I try to print graphics or download a
character set, I always have a line at the bottom. So if I want a
simple line, I get two. I realized after a few reems of paper, that I
had to set the imagewriter to not ignore the 8th bit. I tried what it
said, Esc Z ^@ _ (_=space) but then all I got was strange mousetext
and ignoring of all commands, only printing when it gets a full buffer.

Any ideas? Is it the //c? I ony have the owner's manual, and as we all
know, that doesn't tell me anything a first grade child couldn't figure
out in two minute without the manual :-). Is there an Imagewriter II
Reference manual? The old imagewriter came with a book that at least
told you something.

Sean Kamath

--

UUCP {ihnp4,decvax,ucbcad}!tektronix!reed!kamath

And I looked again
And the monster was me...

From 6704732278923099571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b186d9c874879c5e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-09 13:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Applewriter in 80 columns
Message-ID: <9800028@uiucuxa>
Date: Mon, 9-Dec-85 16:46:00 EST
Article-I.D.: uiucuxa.9800028
Posted: Mon Dec 9 16:46:00 1985
Date-Received: Wed, 11-Dec-85 04:29:06 EST
References: <9124@ritcv.UUCP>
Lines: 7
Nf-ID: #R:ritcv.UUCP:9124:uiucuxa:9800028:000:210
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Dec 9 15:46:00 1985

 You need a patch for the Videx card..I believe that Videx sells a pre-boot
disk for their 80 column card to allow it to work with AppleWriter...It
sells for around $20...

Benjy Mouse
University of Illinois

From 6378249117793004116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,63031d0d22b4e35f,start
X-Google-Attributes: gid125dc4,public

X-Google-Thread: 1622d3,63031d0d22b4e35f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-10 06:01:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.BERKELEY.EDU
Path: utzoo!decvax!ucbvax!ucbcory!mikel
From: mikel@ucbcory.BERKELEY.EDU (Ghost of Xmas Pasttimes)
Newsgroups: net.games,net.micro.apple
Subject: Cyborg
Message-ID: <11197@ucbvax.BERKELEY.EDU>
Date: Tue, 10-Dec-85 09:01:20 EST
Article-I.D.: ucbvax.11197
Posted: Tue Dec 10 09:01:20 1985
Date-Received: Tue, 10-Dec-85 21:45:04 EST
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: mikel@ucbcory.BERKELEY.EDU (Ghost of Xmas Pasttimes)
Distribution: na
Organization: University of California, Berkeley
Lines: 12
Xref: ucbvax net.games:1886 net.micro.apple:2407

[smada] here line eater...

Has anyone solved or played Cyborg from Sentient Software?
How do you get to the tiny ship in the hold?
How do you fix the dial?
How do you open the glass panel to the autodoc?

Thanks,
Mike Liang
..!ucbvax!cory!mikel
mikel%cory.berkeley.edu

From -4091514454999016550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b47a8d35f299344,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-10 16:18:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site amdcad.UUCP
Path: utzoo!linus!gatech!amdcad!sorensen
From: sorensen@amdcad.UUCP (Tim Olson)
Newsgroups: net.micro.apple
Subject: Re: Re: Booting ProDOS on an APPLE][+
Message-ID: <7319@amdcad.UUCP>
Date: Tue, 10-Dec-85 19:18:42 EST
Article-I.D.: amdcad.7319
Posted: Tue Dec 10 19:18:42 1985
Date-Received: Wed, 11-Dec-85 21:58:53 EST
References: <1648@decwrl.UUCP>
Organization: AMDCAD, Sunnyvale, CA

Lines: 22
Summary: check for "APPLE]["

|| In the PROM, my version of ProDos 1.0.1 looks for the words
|| "Apple][", and in the disk drive it looks for a bit pattern in the
|| drive controller card to make sure it is an Apple card.

| Dunno about the disk card check, as mine is an Apple. But the test for
| modified ROMs is indeed probably restricted to a test for the wprd "APPLE" in
| the right place; my motherboard's ROMs have been modified to eliminate the
| lowercase foldover. The first pass I made had "APPLE][" changed, and ProDOS
| wouldn't boot. I changed that text back, and ProDOS came up.
|
| Cheers,
| Dick Binder   (The Stainless Steel Rat)

     Except that ProDOS boots on my Apple][(no '+'), which does not
contain the autostart ROM with the "APPLE][" banner. It does know that
my machine is a][instead of a][+, so the check may just be to see what
type of apple it is booting on (][,][+, //e, //c, ...) which all have
differences in their ROMs.

     Tim Olson
     Advanced Micro Devices
     inhp4!amdcad!sorensen

From 1183780134687567959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,57d6326dd71cf19e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-11 19:33:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc13.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!psuvm.bitnet!psuvax1!burdvax!sdcrdcf!
sdcsvax!sdcc3!sdcc13!33500911
From: 33500911@sdcc13.UUCP ({|lit})
Newsgroups: net.micro.apple
Subject: Re: Apple][+ vs //e board compatability
Message-ID: <388@sdcc13.UUCP>
Date: Wed, 11-Dec-85 22:33:04 EST
Article-I.D.: sdcc13.388
Posted: Wed Dec 11 22:33:04 1985
Date-Received: Sat, 14-Dec-85 03:45:56 EST
References: <116@tetra.UUCP> <9800027@uiucuxa>
Reply-To: 33500911@sdcc13.UUCP (Rain Maker)
Distribution: net
Organization: U.C. San Diego (Isn't hail fun?) Weather Control Lab
Lines: 35
Keywords: Microsoft Z-80 Z80 Softcard
Summary: Bad Timing

From the fingers of Benjy Mouse at uiucuxa.CSO.UIUC.EDU (U of I):

>
> The Hayes Micromodem][will work just fine with the //e, however, there
> may be some problems with the Microsoft Softcard...I believe that if you have
> an extended 80-column card in slot 0, you may have some trouble with it. When
> I boot up the Microsoft CP/M disk, the screen clears, and goes into 80-column
> mode, but doesn't display anything. The card worked fine on my][+, but it
> hasn't worked too well (ie not at all) on my //e...I'm going to see if its
> something I'm doing, but I don't think it's me...
>
> Benjy Mouse
> University of Illinois

Yup. The person (dare I call him an 'engineer') who designed the
original MS Softcard took quite a few liberties with the][and][+
timing. The Z80 mode got fouled up do to the Softcard mis-calculating
bus acceses. They came out with a fix.

Same thing happened with AE (ithink) and Orbital systems (I know.)
when the //e came out.

For all intents and purposes, the older Hayes MM][s shouldn't work
on a //e. That's why there's a Micromodem //e. You must have
an earlier model.

--
                                        - Jim Hayes

UUCP   : {inhp4, ucbvax, decvax}!sdcsvax!sdcc13!33500911
ARPA   : 33500911%sdcc13@UCSD.ARPA

"A non-linear ordinary differential equation is an ordinary
differential equation that is not linear." - Sheply L. Ross
"Introduction to Ordinary Differential Equations" p. 3

From -249809302496598781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbc251a3a91a4352
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-12 06:41:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 11/21/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
apollo!faubel
From: faubel@apollo.uucp (Ken Faubel)
Newsgroups: net.micro.apple
Subject: Re: system date under Pascal 1.2?
Message-ID: <2aae5e8d.4237@apollo.uucp>
Date: Thu, 12-Dec-85 09:41:05 EST
Article-I.D.: apollo.2aae5e8d.4237
Posted: Thu Dec 12 09:41:05 1985
Date-Received: Fri, 13-Dec-85 20:46:04 EST

References: <730@grkermi.UUCP>
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 43

>Does anyone know how to retrieve the system date under Apple Pascal 1.2
>(128K, Apple][e and/or //c)?

>I already know how to access memory locations via variant records, so
>all I really need to know is a) where it is, and b) its format.

I could not get through directly do I will post this.

This stuff came from Call A.P.P.L.E. in their About Pascal book. Since the Pascal 1.2 locations were different I wrote a short program that used variant records to scan memory for the date that I had set via the filer. This is the result and it has worked without a problem.
  Pascal 1.3 is now available and once I get my update package I hope that it will be built in. The new pascal 1.3 is supposed to have a 900+ page manual!

Good luck,
Ken Faubel

```
------------------------
CONST
  dateloc = -18342;

TYPE
  daterec = PACKED RECORD
              mm : 0..12;
              dd : 0..31;
              yy : 0..99;
            END;

  memdaterec = RECORD CASE INTEGER OF
                 1:(date:^daterec);
                 2:(loc : INTEGER);
               END;

VAR

  memdate : memdaterec;
  date    : daterec;

BEGIN
  memdate.loc := dateloc;
  memdate.date^ := date
END
```

From 1658784051718043353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fddd6ed6a477986f,start
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 129c11,fddd6ed6a477986f,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 10cb58,fddd6ed6a477986f,start
X-Google-Attributes: gid10cb58,public
X-Google-ArrivalTime: 1985-12-12 16:09:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax3.fluke.UUCP
Path: utzoo!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!mhuxr!mhuxt!
houxm!vax135!cornell!uw-beaver!fluke!nelsonc
From: nelsonc@fluke.UUCP (Curtis A. Nelson)
Newsgroups: na.forsale,net.micro,net.micro.apple
Subject: Aim 65 for sale
Message-ID: <1554@vax3.fluke.UUCP>
Date: Thu, 12-Dec-85 19:09:37 EST
Article-I.D.: vax3.1554
Posted: Thu Dec 12 19:09:37 1985
Date-Received: Fri, 13-Dec-85 09:28:16 EST
Distribution: na
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 33
Xref: sabre na.forsale:303 net.micro:3288 net.micro.apple:669

I have a Rockwell Aim-65 microcomputer for sale. This is a basic
unit that I have used for data acquisition, as a controller, and
as a laboratory computer. The system is fully functional and
includes the following:

Basic unit with 8K monitor in ROM
8K Microsoft Basic in ROM
6502 Assembler in ROM
Custom enclosure
Custom power supply
Full set of Manuals including source code for the monitor
32K RAM

The basic unit has a 20 column thermal printer, full typewriter
style keyboard, and a one line alphanumeric display.

Asking $250.00 or best offer.

****
Phone: (206)-356-6409 work
(206)-347-5649 home
UNIX mail: decvax\
ihnp4 >!uw-beaver\
allegra >!fluke!nelsonc
ucbvax >!lbl-csam /
U.S. mail: Curt Nelson
John Fluke Mfg. Co., Inc., M/S 275-G

P.O. Box C9090
Everett, WA   98206

From -6890190865964028898
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6769be69dd1cfc50
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-13 08:12:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Unidisk
Message-ID: <278@ius2.cs.cmu.edu>
Date: Fri, 13-Dec-85 11:12:40 EST
Article-I.D.: ius2.278
Posted: Fri Dec 13 11:12:40 1985
Date-Received: Mon, 16-Dec-85 04:16:09 EST
References: <317@uwai.UUCP> <2236@reed.UUCP>
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 46

In article <2236@reed.UUCP> kamath@reed.UUCP (Sean Kamath) writes:
[about new Apple // products]
>   There's lots of magic in the UniDisk connection, too. It's really
>more than that. Apple's documentation call it CBUS--it's a non-standard
>high-speed serial connection for "intelligent" paripherals.

Why not use SCSI or the already existing Mac interface? (especially for
new disk technology where you don't need to be compatible with the old
controller) If Apple sold a SCSI-compatible 3 1/2" disk then I could have
a system with ONE disk controller. Mac-compatibilty would conserve Apple's
hardware development resources, and it also gives you more compatibility
between machines. I guess the NIH (Not Invented Here) symdrome has been
carried over from Apple's old product division structure as well.

>become intelligent when they have a microprocessor and software in them.
>Subsciber Tom Vier has discovered that inside each UniDisk 3.5 there's a
>6502 microprocessor, ROM, RAM, and one of Apple's IWM chips.

You're kidding! That's why they retail for $499 (although mail-order
houses seem to have them for around $250 (w/controller)). Maybe I should
add a terminal to my Unidisk and use it for my second computer :-)

Why did Apple do this? Most people attach their drives to one machine.
If the drive's 'intelligent', will it queue up read requests and have a chance
at running a real multasking OS for the machine? (The disk was always the
bottleneck before.) I'm worried because I remember those 'smart' Commodore
disk drives. What implications will this have for copy protection?

Where can a get an dumb, high-density (>720K) 3.5" drive for my Apple that
I can use under ProDOS and CP/M? I'd even consider building a Mac-compatible
controller or writing drivers if someone has a schematic.

--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)578-2847,578-3275

--
                        - Ralph W. Hyre, Jr.

Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa) Usenet: ralphw@mit-eddie.uucp
Fido: Ralph Hyre at Net 129, Node 0 (Pitt-Bull) Phone: (412)578-2847,578-3275

From 1653006794489981406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cb58,885ef2236d9c7075,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,885ef2236d9c7075,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-13 15:41:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax3.fluke.UUCP
Path: utzoo!decvax!tektronix!uw-beaver!fluke!nelsonc
From: nelsonc@fluke.UUCP (Curtis A. Nelson)
Newsgroups: net.micro.apple,na.forsale
Subject: Apple //e for sale
Message-ID: <1555@vax3.fluke.UUCP>
Date: Fri, 13-Dec-85 18:41:38 EST
Article-I.D.: vax3.1555
Posted: Fri Dec 13 18:41:38 1985
Date-Received: Sun, 15-Dec-85 00:34:32 EST
Distribution: na
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 57

I'm purchasing a new computer system and need to sell my //e.
The system is in excellent condition and includes:

HARDWARE

     Basic unit with double graphics capability (510 x 276)
     monitor stand
     2 apple disk drives
     green monitor

PCPI CPM board with 64K of 6Mhz RAM (CPM programs run fast)
extended 80 column card
Apple Dumpling parallel interface card (used for printer interface)
2 game paddles

SOFTWARE

CPM

Wordstar
umath/usimp
assemblers
utilities

APPLE

Pascal
Visicalc
quick file
games

I have about 100 disks of other misc. programs for the Apple
including assemblers, games, and utilities. The PCPI card can
also be used a s RAM disk.

Asking $1100 or best offer. Please respond before Christmas.

****

Phone: (206)-356-6409 work
(206)-347-5649 home
UNIX mail: decvax\
ihnp4 >!uw-beaver\
allegra >!fluke!nelsonc
ucbvax >!lbl-csam /
U.S. mail: Curt Nelson
John Fluke Mfg. Co., Inc., M/S 275-G
P.O. Box C9090
Everett, WA 98206

From 4487907090898478117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c76a42ed20d84380,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-14 21:56:00 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uok.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!okstate.UUCP!uok.UUCP!
jperkins
From: jperkins@uok.UUCP
Newsgroups: net.micro.apple
Subject: Petroleum Software
Message-ID: <4500020@uok.UUCP>
Date: Sun, 15-Dec-85 00:56:00 EST
Article-I.D.: uok.4500020
Posted: Sun Dec 15 00:56:00 1985
Date-Received: Thu, 12-Dec-85 05:37:36 EST
Lines: 3
Nf-ID: #N:uok.UUCP:4500020:000:177
Nf-From: uok.UUCP!jperkins   Dec 8 23:56:00 1985

Does anyone know of packaged software for apples made especially for the petroleum
engineering industry? Please respond if you know of a company,etc.
Thank you---Les Perkins

From 3753470380485842314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4fc1025d670bca9e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-19 19:13:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site well.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!pyramid!ut-sally!mordor!lll-crg!well!kjb
From: kjb@well.UUCP (Kevin J. Burnett)
Newsgroups: net.micro.apple
Subject: Kermit for Apple-Cat?
Message-ID: <372@well.UUCP>
Date: Thu, 19-Dec-85 22:13:56 EST
Article-I.D.: well.372
Posted: Thu Dec 19 22:13:56 1985
Date-Received: Sat, 21-Dec-85 06:34:19 EST
Organization: Whole Earth Lectronic Link, Sausalito, CA
Lines: 3
Keywords: kermit apple

Is there such a thing as Kermit for the Apple (DOS or otherwise) that works
with the Apple-Cat modem?
~l

From 7674152554003424567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7a0ab570647b6b1c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-22 21:13:43 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Hard Disk Information
Message-ID: <639@aicchi.UUCP>
Date: Mon, 23-Dec-85 00:13:43 EST
Article-I.D.: aicchi.639
Posted: Mon Dec 23 00:13:43 1985
Date-Received: Wed, 25-Dec-85 01:02:45 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 12

In the curent issue of A+, I saw a hard disk drive advertised that I had not seen before. It is manufactured by AST, and is called the Microstor. Anyone have any usage experience or pricing info on this. It sure looks interesting. Any comparisons to the Sider?

Thanks in advance.
--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 3576313210301971925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97673ef9ed7b39b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-23 07:38:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aesat.UUCP
Path: utzoo!aesat!djm
From: djm@aesat.UUCP (David McKellar)
Newsgroups: net.micro.apple
Subject: Z80 Card
Message-ID: <524@aesat.UUCP>
Date: Mon, 23-Dec-85 10:38:31 EST
Article-I.D.: aesat.524
Posted: Mon Dec 23 10:38:31 1985
Date-Received: Mon, 23-Dec-85 11:12:59 EST
Organization: AES Data Ltd, 1900 Minnesota Ct, Mississuaga, ON, Canada L5N 3C9
Lines: 13

I've just got a Z80 Card for my Apple][and I wanna find out how to use it. I hear there's a book called "The Z80 SoftCard" or "Using the SoftCard" or something like that. Anyways, I want it. None of the 5 or so computer shops I checked-out here in Toronto have it.

Maybe using the card is really easy and I don't need a book. Perhaps
you could just write a-couple-a sentences and tell me all I need to
know.

Thanks-in-advance
--

...{allegra,ihnp4,linus,decvax}!utzoo!aesat!djm aka Dave

From -4953532870356965330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3634a955b555368,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,e3634a955b555368,start
X-Google-Attributes: gid11946d,public
X-Google-Thread: 129c11,e3634a955b555368,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-12-27 08:54:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihlpg!markb
From: markb@ihlpg.UUCP (Blumemthal)
Newsgroups: net.micro.apple,net.micro,net.dcom
Subject: Technical help for Apple IIc needed
Message-ID: <1503@ihlpg.UUCP>
Date: Fri, 27-Dec-85 11:54:11 EST
Article-I.D.: ihlpg.1503
Posted: Fri Dec 27 11:54:11 1985
Date-Received: Sat, 28-Dec-85 01:46:12 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 22
Xref: watmath net.micro.apple:2426 net.micro:13291 net.dcom:1557

December 27, 1985

I would like to interface a U.S. Robotics Auto Dial 212A modem with
an Apple IIc.

Here is the pin-out for the modem:

 2 Transmit Data, terminal to modem
 3 Receive Data
 5 Clear to Send
 6 Data Set Ready
 7 Signal Ground
 8 Carrier Detect
12 Speed Indicate
20 Data Terminal Ready
22 Ring Indicator

Can anyone give me info on how to make a cable to the IIc serial

port?

Mark Blumenthal
1-312-979-3676

From -264602118244713379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ddf8332335885153,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-12-28 09:57:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!charm!kalucki
From: kalucki@charm.UUCP (John Kalucki)
Newsgroups: net.micro.apple
Subject: 2400 Apple BBS's ???
Message-ID: <800@charm.UUCP>
Date: Sat, 28-Dec-85 12:57:37 EST
Article-I.D.: charm.800
Posted: Sat Dec 28 12:57:37 1985
Date-Received: Sun, 29-Dec-85 00:59:44 EST
Organization: Physics Research @ AT&T Bell Labs Murray Hill NJ
Lines: 16

There are many 2400 baud IBM PC BBS's (Bulletin Board Systems) scattered through out the USA, but does anyone know of some 2400 baud Apple BBS's (or Ascii Express lines for that matter)???? Some of the people have have "spoken" to on Apple BBS's didn't even know 2400 baud existed! Send them e-mail, and I'll post a listing of the better ones to the net. C'mon Apple users, we can let the IBM users beat us out! ;->

[=---=]
[-John Kalucki @ Physics Research @ Bell Labs, Murray Hill, NJ
        ]
[...!ihnp4!charm!kalucki   ^^^   ]
[----------------------------------+   ^^^   ]
[You expect me to have the same | Its really Berkeley Hts., NJ, but
        ]
[opinions as a company that does | me? Complain? Never! (So, you thought]
[not know where its buildings are? | the transistor was invented in Murray]
[| Hill? Ha! Silly person.)   ]
[=----------------------------------+-------------------------------------=]

From 311369650600643351
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45ae40d81ce59559,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,45ae40d81ce59559,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-12-30 11:02:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!linus!philabs!ttidca!ttidcc!paulb
From: paulb@ttidcc.UUCP (Paul Blumstein)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: Need terminal emulation software for Apple Pascal
Message-ID: <69@ttidcc.UUCP>
Date: Mon, 30-Dec-85 14:02:02 EST
Article-I.D.: ttidcc.69
Posted: Mon Dec 30 14:02:02 1985
Date-Received: Tue, 31-Dec-85 01:07:15 EST
References: <215@uw-june>
Reply-To: paulb@ttidcc.UUCP (Paul Blumstein)
Organization: Transaction Technology, Inc. (CitiCorp), Santa Monica
Lines: 22
Xref: linus net.micro.apple:2142 net.wanted.sources:1704
Summary:

In article <215@uw-june> mains@uw-june (John William Mains) writes:
>Wanted: Terminal emulation software with XMODEM file transfer
>protocol for Apple II running the Apple Pascal (UCSD P-System)
>operating system. VT100 emulation would be a plus.

Both of these things are done by SOFTERM 2. It has many terminals as
well as DOS, CP/M & PASCAL. You can emulate a VT100 (I am doing that
now) & use XMODEM on any of those three systems. As a bonus, you
can convert files between any two of these 3 os's. (Too bad it
doesn't also have PRODOS!).
     SOFTERM 2 comes in different flavors for different apple computers
and memory sizes. It lists for $195. The manufacturer is:
     SOFTRONICS, Inc.
     Memphis, Tenn. 38119
     901-683-6850
--
-_-_-_

Date: Mon, 30-Dec-85 23:03:43 EST
Article-I.D.: hropus.179
Posted: Mon Dec 30 23:03:43 1985
Date-Received: Tue, 31-Dec-85 06:25:28 EST
Organization: Bell Labs, Holmdel, NJ
Lines: 34

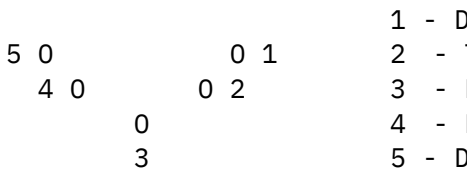
>I would like to interface a U.S. Robotics Auto Dial 212A modem with
>an Apple IIc.

>Here is the pin-out for the modem:

> 2 Transmit Data, terminal to modem (TD)
> 3 Receive Data (RD)
> 5 Clear to Send (CTS)
> 6 Data Set Ready (DSR)
> 7 Signal Ground (GND)
> 8 Carrier Detect (CD)
>12 Speed Indicate
>20 Data Terminal Ready (DTR)
>22 Ring Indicator

>Can anyone give me info on how to make a cable to the IIc serial
>port?

First off, this is the pinout for the IIc's serial ports:



1 - Data Terminal Ready (DTR)
2 - Transmit Data Output (TD)
3 - Power and Signal Ground (GND)
4 - Read Data Input (RD)
5 - Data Set Ready (DSR)

I am always wiring null modems to connect hardwired terminals, and
they reverse everything, but I think (!) that since you are connecting
the IIc to a modem, you just connect DTR to DTR, TD to TD, etc...
You probably have to jumper 1 and 7 on the modem end together and run them
to 3 on the IIc as they are both grounds.
--
James R. Webb ihnp4!houxm!hropus!jrw

From 3528792306312975387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,201fb62d688148b6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-01 17:31:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site decwrl.DEC.COM
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-aussie!dimond
From: dimond@aussie.DEC (Phil Dimond, ms:SNA/CSS Engineering,Sydney,Aust.)
Newsgroups: net.micro.apple

Subject: Modifying apple CP/M bios/bdos.
Message-ID: <220@decwrl.DEC.COM>
Date: Wed, 1-Jan-86 20:31:14 EST
Article-I.D.: decwrl.220
Posted: Wed Jan 1 20:31:14 1986
Date-Received: Thu, 2-Jan-86 05:01:26 EST
Sender: daemon@decwrl.DEC.COM
Organization: Digital Equipment Corporation
Lines: 24

I have an Apple IIe lookalike, and I am trying to use the full 40 tracks that are available on the disk drives. Microsoft has not made this especially easy, as they supply neither the MOVCPM utility nor the source code for the BIOS or BDOS. I beleive that the modification requires only a change in the system's BIOS to tell it that there are more sectors.

From the information that I can dredge up, the system was originally set up for 35 track drives as the inner 5 were considered unreliable. The disk drives that I am using, and the disks I use, are, however, quite good in this respect, and I want to use the extra 14% or so of disk space (I have just the application for it....). Microsoft here in Australia have been singly unhelpful (in fact, as soon as the word "source" was mentioned they became rather abusive).

Has anyone out there in Netland attempted this modification? If so, please send mail to me directly. If anything comes of the responses, I will post a summarised followup to net.micro.cpm and net.micro.apple .

Thanks in advance...
Phil Dimond.
DEC CSS Sydney, Australia.

return address: ...decvax!decwrl!dec-aussie!dimond

From -3981338411329421388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,69d90256e5174a02,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,69d90256e5174a02,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-02 17:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nvzg2.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!pyramid!pesnta!peora!codas!nvzg2!rick
From: rick@nvzg2.UUCP (Rick Gessner)
Newsgroups: net.micro.mac,net.micro.apple
Subject: MacWorks XL with 2 Profiles
Message-ID: <358@nvzg2.UUCP>
Date: Thu, 2-Jan-86 20:51:00 EST
Article-I.D.: nvzg2.358
Posted: Thu Jan 2 20:51:00 1986

Date-Received: Sun, 5-Jan-86 01:29:13 EST
Distribution: net
Organization: AT&T-IS (New Ventures), Orlando Fl.
Lines: 34
Xref: watmath net.micro.mac:3957 net.micro.apple:2433

HELP!!!!???????

A simple question to those of you who have used MacWorks/XL
release 3.0. Is it possible to use more than 1 Profile
with a Lisa under MacWorks. I currently have a Lisa 2/5
with revision 'F' ROMs, and that little 5 meg drive just ain't
cuttin the mustard. I am planning on adding another parallel
interface board and a 10 meg Profile (the outside kind).

Basic questions are:

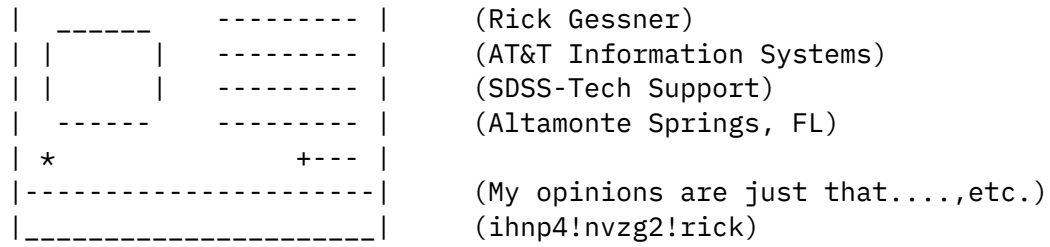
    Can I use both,
    Will MacWorks bring both online at startup,
    Do I need any more hardware other than the interface and the drive,
    etc.

I am not using the Pascal workshop, and I hate to junk the 5 meg drive.

Any answers/suggestions will be greatly appreciated, and as expected
will summarize to the net.

"Thanks in advance", he said.

Rick



From 7677459910783097959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,87f0594a22895430
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,74d210937f465910,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1986-01-04 08:49:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!genrad!panda!talcott!harvard!think!mit-eddie!moore

From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.wanted,net.micro.apple
Subject: Two chips needed
Message-ID: <872@mit-eddie.UUCP>
Date: Sat, 4-Jan-86 11:49:08 EST
Article-I.D.: mit-eddi.872
Posted: Sat Jan 4 11:49:08 1986
Date-Received: Mon, 6-Jan-86 03:13:14 EST
References: <1037@bnl44.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 16
Xref: watmath net.wanted:7852 net.micro.apple:2435

I am looking for the following chips:

   CA3146E (High voltage transistor array)
   MC3470P (Floppy disk read amp system)

These are used in an Apple disk drive -- I blew one or both of them when I
unplugged the drive/controller cable with the power on (shiver). Please mail
me if you have either or both of these chips. Thanks.

-drew
 arpa: MOORE%MIT-EECS@MIT-MC.ARPA
 uucp: ...mit-eddie!moore
   us: Box 121, North Quincy, MA 02171

From -494597704078615277
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-12 10:07:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxr!mhuxt!houxm!vax135!cornell!uw-
beaver!tektronix!hplabs!sdcrdcf!sdcsvax!noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: Apple ProDos help needed
Message-ID: <109@tetra.UUCP>
Date: Tue, 12-Nov-85 13:07:45 EST
Article-I.D.: tetra.109
Posted: Tue Nov 12 13:07:45 1985
Date-Received: Fri, 15-Nov-85 04:18:44 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 12

I use UNIX (4.2 BSD) daily in my work, and am familiarizing myself with MS-DOS. Therefore, when I started to examine ProDos, I expected a similar way of changing directories. But the book I am using, by a guy named Campbell, does not seem to explain how you get from one directory to another. Paths, yes, but I see no "change directory" command, such as cd in UNIX.

Am I totally misreading this fellow's book, or is there no way to move from one directory to another in ProDos? I feel somewhat foolish asking this question, but I simply cannot find the information I am looking for in this particular book.

Thanks

From -8166909478009292066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129fb9,2efdd21d7c4daec6,start
X-Google-Attributes: gid129fb9,public
X-Google-Thread: 12306c,2efdd21d7c4daec6,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,2efdd21d7c4daec6,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,2efdd21d7c4daec6,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1985-11-12 18:03:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!
ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple,net.lang.pascal,net.lang.mod2,net.wanted
Subject: Looking for a native code generator
Message-ID: <229@ius2.cs.cmu.edu>
Date: Tue, 12-Nov-85 21:03:12 EST
Article-I.D.: ius2.229
Posted: Tue Nov 12 21:03:12 1985
Date-Received: Fri, 15-Nov-85 08:31:30 EST
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 17
Keywords: p-code, m-code, Pascal, Modula-2, Apple
Xref: linus net.micro.apple:2021 net.lang.pascal:378 net.lang.mod2:279
net.wanted:6847

References:
Organization: Carnegie-Mellon University, CS/RI

I'm looking for a Native Code Generator that will compile p-code (or m-code, I'm not picky) into 6502 assembly language.

Ideally this program would run on an Apple][under the UCSD P-system or ProDOS, but I would be interested in a system that would run on any

sort of machine. Cost is a consideration, I'd like to get this for <$100.

                        - Ralph
--
                    - Ralph
Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa)
Usenet: ralphw@mit-eddie.uucp
Fidonet: Ralph Hyre at Fido #385 Pitt-Bull (or maybe Net 129, node 0)
Snail Mail: don't bother

From -6184245901324636356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,62c37f40dcbae0ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-12 18:36:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mtuxo!mtunh!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!sdcc3!sdcc6!ix469
From: ix469@sdcc6.UUCP (David L. Smith)
Newsgroups: net.micro.apple
Subject: 65802 in *your* Apple?
Message-ID: <2286@sdcc6.UUCP>
Date: Tue, 12-Nov-85 21:36:37 EST
Article-I.D.: sdcc6.2286
Posted: Tue Nov 12 21:36:37 1985
Date-Received: Mon, 18-Nov-85 05:17:57 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 57

Anybody out there interested in a 65802 in their Apple? This is a
version of the 16-bit 65816 which is pin-compatible with the 6502,
will emulate a 6502, and will also act as an 8/16 bit processor,
with 16 bit A,X and Y registers, a 16 bit stack register (allowing
for a real stack, larger than 256 bytes), relocatable zero-page
(as many as you like) and a host of new instructions. The major
difference between it and the 65816 is it's lack of a few of the
65816 signals and an address space limited to 64K, rather than 16Mb.
The processors instruction sets are identical.

The processor is from Western Design Center, and goes for $95 in
single quantities. However, I was told that if purchased in
quantities of 25, the price drops to ~$50.

Basically, it should be easy to pop one of these into an Apple
(][or //e) with a minor hardware mod. It would be necessary to
bank switch the monitor ROM with another ROM at power-up, since I
believe the chip powers up in 65802 mode, not 6502 mode (though I'm
not sure. The data sheet is not clear on this and I will find out).
The chip also supports the 65C02 codes, so it will work in those
enhanced //e's (possibly a //c, but you're *really* on your own

there).

So, I am asking if anyone else would be interested in purchasing one of these chips. CAVEAT EMPTOR! I am *not* offering to support you in any way. This is simply an offer for a group purchase/discount. I will give you a copy of whatever hardware mods I plan, but do not guarantee they will work. I'm a little in the dark myself, but it should work (famous last words). More information on the chip can be obtained from:

Western Design Center
2166 East Brown Road
Mesa, AZ 85203
(602) 962-4545

As far as software goes, there are some products available, I know of an assembler from the people who make the Merlin assembler. I believe that anyone starting out at this point would be writing everything in assembler, since I don't think there are any compilers available.

If you're interested, drop a note to me. I'll wait a couple of weeks, but if I can't get enough people togethter by then I may just go ahead and put the bucks down.

==========
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

"Laugh while you can, monkey boy!" -- John Whorfin

I am not associated with Western Design Center, Apple Computer, or any other capitalist running dog institutions

From 5865671063210903681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-14 04:33:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxr!ulysses!allegra!alice!aer
From: aer@alice.UucP (D. Rosenberg)
Newsgroups: net.micro.apple
Subject: Re: Apple ProDos help needed
Message-ID: <4558@alice.UUCP>
Date: Thu, 14-Nov-85 07:33:06 EST
Article-I.D.: alice.4558
Posted: Thu Nov 14 07:33:06 1985
Date-Received: Sat, 16-Nov-85 01:09:24 EST

References: <109@tetra.UUCP>
Organization: Bell Labs, Murray Hill
Lines: 7

To change directory prefices in ProDOS,
type PREFIX <pathname>.

--
##
#D. Rosenberg
#..ihnp4!alice!aer   "These are My Opinions- and mine alone."

From -636825454072594188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b562289da2a7af15,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-14 11:57:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 5/13/85; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple
Subject: trace/ss an appleII+ ?
Message-ID: <2a22a8a9.46b9@apollo.uucp>
Date: Thu, 14-Nov-85 14:57:41 EST
Article-I.D.: apollo.2a22a8a9.46b9
Posted: Thu Nov 14 14:57:41 1985
Date-Received: Sat, 16-Nov-85 08:53:28 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 3

Does anyone know of a way to trace or single step an AppleII+ from the monitor? It
would seem
that a routine could be written to perform this feat. Please let me know if you
have experience
with this or can offer any suggestions.

From 8034088523014554282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-14 12:16:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!linus!philabs!ttidca!ttidcc!paulb
From: paulb@ttidcc.UUCP (Paul Blumstein)
Newsgroups: net.micro.apple
Subject: Re: Apple ProDos help needed
Message-ID: <19@ttidcc.UUCP>
Date: Thu, 14-Nov-85 15:16:34 EST

Article-I.D.: ttidcc.19
Posted: Thu Nov 14 15:16:34 1985
Date-Received: Fri, 15-Nov-85 20:37:34 EST
References: <109@tetra.UUCP>
Reply-To: paulb@ttidcc.UUCP (Paul Blumstein)
Distribution: net
Organization: Transaction Technology, Inc. (CitiCorp), Santa Monica
Lines: 24
Summary:

In article <109@tetra.UUCP> rupp@tetra.UUCP (William L. Rupp) writes:
>I use UNIX (4.2 BSD) daily in my work, and am familiarizing myself with
>MS-DOS. Therefore, when I started to examine ProDos, I expected a similar
>way of changing directories. But the book I am using, by a guy named
>Campbell, does not seem to explain how you get from one directory to another.
>Paths, yes, but I see no "change directory" command, such as cd in UNIX.
>
>Am I totally misreading this fellow's book, or is there no way to move from
>one directory to another in ProDos? I feel somewhat foolish asking this
>question, but I simply cannot find the information I am looking for in this
>particular book.
>
>Thanks

Use SET PREFIX. If you think about it, it effectively does the same
thing.
--
-_-
Paul Blumstein   "Violence is the last refuge of the
Citicorp/TTI   incompetent" -- S. Hardin
3100 Ocean Park Blvd.   from Issac Asimov's Foundation
Santa Monica, CA 90405
(213) 450-9111
{philabs,randvax,trwrb,vortex}!ttidca!paulb

From -2717454159535617581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,de5103b50b9fa6f8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-14 22:54:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucdavis.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!ucdavis!deneb!ccs007
From: ccs007@ucdavis.UUCP (0058)
Newsgroups: net.micro.apple
Subject: vt52 emulation at 300 bd.
Message-ID: <307@ucdavis.UUCP>
Date: Fri, 15-Nov-85 01:54:45 EST
Article-I.D.: ucdavis.307
Posted: Fri Nov 15 01:54:45 1985
Date-Received: Sat, 16-Nov-85 20:54:10 EST
Distribution: net

Organization: University of California, Davis
Lines: 15

*** REPLACE THIS LINE WITH HELPFUL ADVICE ***

Once again I seek knowledge from non-conventional sources...

I'm using AE pro 4.20, a Hayes Micromodem //e, and an apple][+ with 64k.

When I try to use screen-based software on Unix, like vi (I realize this is
silly at 300 baud. Just take for granted I'm a clod), the apple completely
tweaks out, and leaves garbage on the screen, which vaguely resembles the
desired program.

Can anyone offer advice on how to fix this?

Gary Huckabay
!ucbvax!ucdavis!deneb!ccs007

From -4618519276275235483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-15 02:57:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!gatech!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Apple ProDos help needed
Message-ID: <3249@brl-tgr.ARPA>
Date: Fri, 15-Nov-85 05:57:23 EST
Article-I.D.: brl-tgr.3249
Posted: Fri Nov 15 05:57:23 1985
Date-Received: Sat, 16-Nov-85 03:46:24 EST
References: <109@tetra.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 25

> I use UNIX (4.2 BSD) daily in my work, and am familiarizing myself with
> MS-DOS. Therefore, when I started to examine ProDos, I expected a similar
> way of changing directories. But the book I am using, by a guy named
> Campbell, does not seem to explain how you get from one directory to another.
> Paths, yes, but I see no "change directory" command, such as cd in UNIX.

ProDos does not maintain a concept of "current working directory",
but instead maintains a "current prefix" which is prepended to
filenames. This accomplishes much the same thing. The Basic
Language Interpreter supports a "PREFIX" command, which reports
the current prefix if no arguments are used (UNIX "pwd"), or sets
the prefix to the user-specified argument when present. There are

of course Machine Language Interpreter system calls for this.
Unfortunately, there appears to be no built-in equivalent of the
UNIX "cd .." and definitely no concept of a $HOME directory (UNIX
"cd" with no arguments). Fortunately, if the new prefix being set
does not start with /, the existing prefix is prepended to it, so
there is equivalent behavior to the UNIX "cd subdir" (relative path).

If one were to implement his own shell, it would be easy to
implement "cd .." by getting the current prefix, then trimming off
the last piece of it and setting the new prefix to that. This is
similar to what I did in the BRL SVR2 Bourne shell to circumvent
symbolic links to directories. I rather like the prefix approach,
except for its lack of ".." support.

From -1654551199137396913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2e154cf679389222,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7e1e7960764fb84d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-15 05:18:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mgweed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!mgnetp!mgweed!kek
From: kek@mgweed.UUCP (Kit Kimes)
Newsgroups: net.micro,net.micro.apple
Subject: Re: videodisks
Message-ID: <21656@mgweed.UUCP>
Date: Fri, 15-Nov-85 08:18:49 EST
Article-I.D.: mgweed.21656
Posted: Fri Nov 15 08:18:49 1985
Date-Received: Sat, 16-Nov-85 08:58:13 EST
References: <1147@bbncc5.UUCP>
Distribution: net
Organization: AT&T Information Systems - Montgomery Illinois
Lines: 44
Xref: watmath net.micro:12706 net.micro.apple:2329

 >does anybody know of a video-disk authoring and control package (and
 >associated hardware interfaces) for the amiga and/or apple IIe -
 >vendor addresses or phone numbers would be appreciated

This article was in the latest issue of Electronic Engineering Times.
Although CD-ROM's aren't here yet, they will be shortly.

"A torrent of CD-ROM applications will deluge the computer and consumer
information markets at Comdex in Las Vegas, Nev., Nov. 20-24.

Philips, Sony, Toshiba, Hitachi, Matsushita and Denon are expected to
display improved versions of their earlier, proto-type CD-ROM drives.
Most are configured to work with an IBM-PC host. But SCSI disk emulators

are in the works. They can be attached to almost any contemporary computer system.

Developers are hard at work on CD-ROM applications. They're trying to get CD mastering plants to stop the presses for a while. Just long enough to punch out a few data disks as samples for interested CD-ROM customers.

Dozens of different demonstration disks bouncing around are sure to land at Comdex. They're packed with text, graphics and sound demos.

In January, the U.S. Army should place a contract for 50,000 to 60,000 interactive laser-disk training systems. N.V. Philips hopes to latch onto that deal and produce the laser-disk material wanted. Both Philips and Du Pont spokesmen say they expect educational markets to turn into their biggest base of customers.

Interest in consumer data applications should become very high in January at the Consumer Electronics Show in Las Vegas. By then, the first volume-data 'title' will have been out for a few weeks. It will be the CD-ROM version of the Grolier Excyclopedia. Its 21 volumes are tucked into one-fifth of a 550-Mbyte CD-ROM platter."

Although it wasn't mentioned in this article, Atari has said they would have the final version of their CD-ROM player at the Comdex show too.

Kit Kimes
AT&T Information Systems
Montgomery Works
Montgomery, Il. 60538-0305
..!ihnp4!mgweed!kek

From 301029770444376566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e35c884b63ba4e4c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-15 07:24:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 5/13/85; site apollo.uucp
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mtuxo!mtunh!vax135!cornell!uw-beaver!
apollo!faubel
From: faubel@apollo.uucp (Ken Faubel)
Newsgroups: net.micro.apple
Subject: Help needed with Rana diak drives
Message-ID: <2a26bbb2.4237@apollo.uucp>
Date: Fri, 15-Nov-85 10:24:13 EST
Article-I.D.: apollo.2a26bbb2.4237
Posted: Fri Nov 15 10:24:13 1985
Date-Received: Mon, 18-Nov-85 05:31:03 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 31

Has anybody had any experience with Rana disk drives under PASCAL (or PRODOS). I have
two Elite II drives that I bought about two years ago. I have been very pleased using
them with my Apple //e under PASCAL 1.1 and I now would like to move to PASCAL 1.2
(and 1.3 as soon as I can).

My problem is that Rana has never put out an OS patch for PASCAL 1.2 and since they went
belly up I expect that I am on my own. I was told about a year ago that I would need to
buy their newest PROM (1.4 I think) if I was going to use PRODOS and that any PASCAL fix
that they might come out with would be based on this level of firmware. After spending
$50.00 on the PRODOS upgrade, I now have the new PROM and a PRODOS disk. The new PROM is
supposed to follow Apple conventions for disk controllers under PRODOS and at a minimum let
these drives work as regular 143K drives. The drives will not boot PRODOS and the disk they
sent me was broken. I also had to undo the //e enhancement because it conflicts with Rana's
PASCAL 1.1 patch. The one good thing is that I can use the disks as regular 143K drives
under PASCAL 1.2 (640 blocks is alot to keep track of anyway :-).

My questions are:

1) Does anyone have a working Rana disk for PRODOS?

2) Are there any PASCAL 1.2 (or 1.3) patches available to access the full 320K of the
Elite II drives?

3) Does anyone have any experience with Apple PASCAL device drivers for the Rana drives?

4) Are there any suggestions short of spending hundreds on a hard disk or Unidisk 3.5?

Please send email and I will forward a summary if anyone else is interested.

Thank you in advance.

Ken Faubel decvax!wanginst!apollo!faubel

From -8633382462687681284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-15 12:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Apple ProDos help needed
Message-ID: <9800021@uiucuxa>
Date: Fri, 15-Nov-85 15:09:00 EST
Article-I.D.: uiucuxa.9800021
Posted: Fri Nov 15 15:09:00 1985
Date-Received: Sat, 16-Nov-85 21:07:35 EST
References: <109@tetra.UUCP>
Lines: 9
Nf-ID: #R:tetra.UUCP:109:uiucuxa:9800021:000:390
Nf-From: uiucuxa.CSO.UIUC.EDU!ldr292   Nov 15 14:09:00 1985

   I am not familiar with the book of which you speak, but there is a command in ProDOS similiar (but not quite like cd in UNIX). The command is 'path ='.
   The syntax is   'path ='<pathname>. where pathname is the logical pathname of the directory you wish to set. (ie. system/wpfiles)
   Hope that helped.

                                        Leonard Rosenthol
@uiucuxa/ldr292

From -3511215881023381000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6d3ca2da39ab3bb1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-17 18:34:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site jhunix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!umcp-cs!aplcen!jhunix!ins_asac
From: ins_asac@jhunix.UUCP (Stephan Alexa Cooper)
Newsgroups: net.micro.apple
Subject: Terminal for a][(not e or +)
Message-ID: <1222@jhunix.UUCP>
Date: Sun, 17-Nov-85 21:34:45 EST
Article-I.D.: jhunix.1222
Posted: Sun Nov 17 21:34:45 1985
Date-Received: Tue, 19-Nov-85 05:56:47 EST
Distribution: net
Organization: Johns Hopkins Univ. Computing Ctr.
Lines: 25

A friend of mine has an Apple][. He runs SoftTerm as a terminal
emulator. What is a good terminal to respond to TERM=? when he
logs in. Specifically, what do yoou other Apple users use as

a terminal type when you log in off of an Apple?

Thanks but please, send replies to...

            Joe Hurley
 Johns Hopkins University
Homewood Computing Center
...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_ajjh

...as I am posting this for him.
--

             Steve Cooper
 Johns Hopkins University
Homewood Computing Center
...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_asac

"...no matter how he tried
    he could not break free
    and the worms ate into his brain."

From -6167652661918294178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,de5103b50b9fa6f8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-17 19:25:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site sesame.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!
gatech!seismo!harvard!talcott!sesame!stuart
From: stuart@sesame.UUCP (Stuart Freedman)
Newsgroups: net.micro.apple
Subject: Re: vt52 emulation at 300 bd.
Message-ID: <400@sesame.UUCP>
Date: Sun, 17-Nov-85 22:25:49 EST
Article-I.D.: sesame.400
Posted: Sun Nov 17 22:25:49 1985
Date-Received: Tue, 19-Nov-85 06:02:03 EST
References: <307@ucdavis.UUCP>
Distribution: net
Organization: Data General-Westboro, MA
Lines: 14

Here is what to do if your Apple is losing characters as an AE Pro terminal:
Enable your Micromodem to send interrupts to your Apple by installing a
jumper (as detailed in your AE Pro manual). If you want a non-hardware fix,
you can put a screen clear delay in your vt52 termcap and that will help some.
If you do not have interrupts enabled, then your modem will send signals to
your Apple that get lost in the shuffle (i.e. part of the screen-clear
sequence in the case of a vi startup), even at 300 baud.
--

Stuart Freedman   {genrad|ihnp4|ima}!wjh12!talcott!sesame!stuart
Data General Corp. (Mail Stop E-219)   {cbosgd|harvard}!talcott!sesame!stuart
Westboro, MA 01580   +1(617)870-9659   stuart%sesame.uucp@harvard.arpa

"One solid hope is worth a cartload of certainties."
                            -The Doctor

From -1899430105816353945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10beba,72d04e03db64efeb,start
X-Google-Attributes: gid10beba,public
X-Google-Thread: 1622d3,b562289da2a7af15
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-18 04:40:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site moncol.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!petsd!moncol!ben
From: ben@moncol.UUCP (Bennett Broder)
Newsgroups: net.micro.apple
Subject: Re: trace/ss an appleII+ ?
Message-ID: <562@moncol.UUCP>
Date: Mon, 18-Nov-85 19:23:09 EST
Article-I.D.: moncol.562
Posted: Mon Nov 18 19:23:09 1985
Date-Received: Tue, 19-Nov-85 05:48:32 EST
References: <2a22a8a9.46b9@apollo.uucp>
Organization: Monmouth College, West Long Branch, NJ 07764
Lines: 24

>Does anyone know of a way to trace or single step an AppleII+ from the monitor? It would seem
>that a routine could be written to perform this feat. Please let me know if you have experience
>with this or can offer any suggestions.

A routine to do this has already been written, in fact, I am certain you have it in your library. Where??? Why right on your DOS 3.3 system master. It is loaded automatically along with Integer Basic when the disk is booted. (You need to have a 16k language card in slot 0) Just type INT to get into Integer basic, call -151, and the commands will be present. The 'S' command (optionally preceded by an address) will single step a program, the 'T' command will do a trace. You can find more information on page 52 of the old Apple II reference manual that came with your II plus. By the way, this info also applies to Apple IIe's and Apple IIc's. Those with old Apple IIs with integer in ROM have it even easier-- they have these routines present as soon as they power up their machines. In case you're curious, the trace and step commands were deleted from the monitor ROM to make room for Applesoft, since Applesoft is much bigger than integer.
Hope this helps.

Ben Broder

..vax135!petsd!moncol!ben
..ihnp4!princeton!moncol!ben

From -7947993937897284002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76335a6000a7478e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-18 11:04:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)
Newsgroups: net.micro.apple
Subject: ProDos, AppleTalk, etc
Message-ID: <2154@reed.UUCP>
Date: Mon, 18-Nov-85 14:04:17 EST
Article-I.D.: reed.2154
Posted: Mon Nov 18 14:04:17 1985
Date-Received: Wed, 20-Nov-85 00:17:07 EST
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 37

hello networld!

I just got finished taking down five apple //c's for a big conference
we're having here at Reed college, and I typed pr#7 just for kicks.

I got the message 'appletalk not connected'. I assume they have the
latest ROM mods (They came from Apple direct), so I guess included with
the package for the 3.5 inch drive also gives appletalk capability.

Has anyone heard official word from Apple about this? One of my
roomates has a //c and she's interested in the 3.5 inch drives. Is it
also true that there's no way to use a Sider with a //c?

Also, I am looking for a Kermit for an Apple //e, 80co board, ssc, and
ASCII Express Pro. I've got all these silly little text files on the
Vax, and I want to download them and edit them with applewriter(Dos 3.3
version, of course). Anyone have one?

By the way, as mentioned earlier, prefix <path> is the ProDos command to
set paths. A really good source of information on Dos 3.3 (The good
dos) and ProDos (The fast dos) is _Beneath_Apple_(Pro)Dos_ by Don Worth
and Peiter Lechner. These guys are the best. If you decide to buy the
ProDos Reference Manual, beware! It has false info. It seems that in
early versions of ProDos, there were routines to split applsoft programs
around the High-Res screens. As PorDos grew, these routines had to be
removed due to lack of space. It seems, however, that the manual had
plenty of space, and no one took the discriptions of these features out

of it. . .Oh, well. This may have been changed with newer versions of
the Tech Ref. I don't know.

kamath

UUCP: {ihnp4,decvax}!tektronix!reed!kamath
ARPA: I wish
BITNET: Soon, I hope.

From 4730349016899883469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,595b9e471ffd2950,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 10cb58,595b9e471ffd2950,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,595b9e471ffd2950,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-18 14:19:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site sol1.UUCP
Path: utzoo!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!gatech!akgua!
sol1!john
From: john@sol1.UUCP (john)
Newsgroups: net.wanted,net.micro.apple,na.forsale
Subject: Apple II+ system for sale
Message-ID: <377@sol1.UUCP>
Date: Mon, 18-Nov-85 17:19:25 EST
Article-I.D.: sol1.377
Posted: Mon Nov 18 17:19:25 1985
Date-Received: Sat, 23-Nov-85 05:34:08 EST
Reply-To: john@sol1.UUCP (John Korsmeyer)
Organization: THE SOLUTION, Lincoln, NE
Lines: 41
Keywords: harddisk, accounting, Apple
Xref: sabre net.wanted:1666 net.micro.apple:592 na.forsale:283

We have the following Apple II+ system that works fine but is just
setting around doing nothing:

Apple II+ with 16K ram, Videx 80 column card,
                 Thunder Clock, Microsoft Z80 card.

System Saver fan, Sanyo green screen monitor.

Corvus 20 meg hard disk with mirror backup, and constellation
includes 3 controller cards.

3) 7710 serial cards

Apple II+ not working (will fix, only has bad chip)

floppy drive.

Qume Sprint 5/45 letter quality printer

SOFTWARE INCLUDES:
DOS 3.3, PRODOS, CP/M, UCSD Pascal
Accounting + (have both 5 1/4 and original 8" disks (CP/M)
Multiplan
dBase II
Manx C compiler
softterm II
much much misc public domain and non public domain programs.
UNIX tools (can't remember exact name but is a commercial package)

WE **NEED** TO MOVE THIS OUT YESTERDAY SO WILL CONSIDER

ANY AND ALL OFFERS.

If you need just part of it, you may want to bid on the whole thing
because its going to move cheap. OVER $16,000 worth of equipment new.

     John Korsmeyer @ THE SOLUTION

     EMAIL: {akgua,ihnp4}!sol1!john

     CALL: 402/483-2238

From 3578741009943919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b562289da2a7af15
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-18 14:46:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uthub.UUCP
Path: utzoo!utcsri!utai!uthub!goldste
From: goldste@uthub.UUCP (Jack Goldstein)
Newsgroups: net.micro.apple
Subject: Re: trace/ss an appleII+ ?
Message-ID: <246@uthub.UUCP>
Date: Mon, 18-Nov-85 17:46:22 EST
Article-I.D.: uthub.246
Posted: Mon Nov 18 17:46:22 1985
Date-Received: Mon, 18-Nov-85 20:34:45 EST
References: <2a22a8a9.46b9@apollo.uucp>
Organization: CSRI, University of Toronto
Lines: 11

> Does anyone know of a way to trace or single step an AppleII+ from
> the monitor?

The old monitor ROM included this feature. If you know someone with an
old reference manual, you can copy the program (the part that's not

included in the autostart ROM is not all that big). If someone has
done this already, they may want to post it to the net (if that
doesn't break any copyright laws).

  Jack Goldstein
  {decvax,allegra,ihnp4,linus,utzoo,uw-beaver}!utcsri!uthub!goldste

From -3105386642026991589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45b1a6f4677001a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-19 04:37:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: KERMIT FOR MICRO MODEM// IS AVAIL.
Message-ID: <4370@garfield.UUCP>
Date: Tue, 19-Nov-85 07:37:30 EST
Article-I.D.: garfield.4370
Posted: Tue Nov 19 07:37:30 1985
Date-Received: Tue, 19-Nov-85 13:11:53 EST
Sender: news@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 8

I recently posted a message about apple kermit.
I got some reply talking about the same request as me.
I have a Kermit for Apple with Micro modem//, since this one is a
binary code, I can't modify to adpat it with my Super Serial card.
So, if you are interested, give me a mail
Send me with your post address and take the risk of the program yourself
because I never have chance to test it.
HONG

From -4386707896568100238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5c60aed2acc639d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-19 11:25:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 5/13/85; site apollo.uucp
Path: utzoo!linus!philabs!cmcl2!harvard!bbnccv!bbncca!wanginst!apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple
Subject: prodos on an apple][+ (old question?)
Message-ID: <2a3bb0e3.46b9@apollo.uucp>
Date: Tue, 19-Nov-85 14:25:13 EST
Article-I.D.: apollo.2a3bb0e3.46b9

Posted: Tue Nov 19 14:25:13 1985
Date-Received: Thu, 21-Nov-85 22:08:43 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 5

Ok, I know this is probably an old question that was discussed long ago.
But it is only now that I have some friends running PRODOS, that I
would like to be able to. DOS 3.3 always served me well and I use CP/M
most of the time anyway. So, if you know the answer and could take a
minute to send it, I would appreciate it.

From 285060646542315377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,e1d412316d0eeb,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 15517a,e1d412316d0eeb,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 129c11,e1d412316d0eeb,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e1d412316d0eeb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-20 07:54:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekigm.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
tekig5!tekigm!aegroup
From: aegroup@tekigm.UUCP (Dennis Ward)
Newsgroups: net.micro,net.micro.atari,net.micro.apple,net.micro.pc
Subject: Repost Teknika Monitors
Message-ID: <620@tekigm.UUCP>
Date: Wed, 20-Nov-85 10:54:55 EST
Article-I.D.: tekigm.620
Posted: Wed Nov 20 10:54:55 1985
Date-Received: Sat, 23-Nov-85 03:23:58 EST
Distribution: na
Organization: Tektronix, Beaverton OR
Lines: 21
Xref: watmath net.micro:12778 net.micro.atari:1715 net.micro.apple:2346
net.micro.pc:5939

Subject: Info Wanted On Teknika Monitors
Message-ID: <132@tekigm2.UUCP>
Date: 29 Aug 85 17:49:02 GMT
Date-Received: 14 Nov 85 06:14:34 GMT
Organization: Tektronix, Beaverton OR
Lines: 13

Does anyone know:

     where Teknika monitors are sold?

retail stores where they may be viewed?
(hopefully locally, but anywhere is fine)

how compatible is the MJ22 with Atari, Apple and IBM?
(for computer upgrading without new monitor requirement)

information on servicebility and/or reliability of them?

Thanks in advance, --Bill--

From -871172693492444532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,7ee7c0961592eca8,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12eaa7,7ee7c0961592eca8,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 1622d3,7ee7c0961592eca8,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12745e,7ee7c0961592eca8,start
X-Google-Attributes: gid12745e,public
X-Google-Thread: 129c11,7ee7c0961592eca8,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,7ee7c0961592eca8,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-11-20 07:58:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekigm.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
tekig5!tekigm!aegroup
From: aegroup@tekigm.UUCP (Dennis Ward)
Newsgroups:
net.railroad,net.micro,net.micro.atari,net.micro.apple,net.micro.trs-80,net.micro.
pc
Subject: Computerized Traffic Generator Program Reposting
Message-ID: <621@tekigm.UUCP>
Date: Wed, 20-Nov-85 10:58:39 EST
Article-I.D.: tekigm.621
Posted: Wed Nov 20 10:58:39 1985
Date-Received: Sat, 23-Nov-85 03:24:58 EST
Distribution: net
Organization: Tektronix, Beaverton OR
Lines: 27
Xref: watmath net.railroad:572 net.micro:12779 net.micro.atari:1716
net.micro.apple:2347 net.micro.trs-80:498 net.micro.pc:5940

Subject: TAG Computer Program
Message-ID: <172@tekigm2.UUCP>
Date: 21 Sep 85 04:05:28 GMT
Date-Received: 14 Nov 85 06:14:47 GMT
Organization: Tektronix, Beaverton OR
Lines: 19

Has anyone out there been able to successfully use the computerized traffic generator program written by Bob Fink in the Februrary 1984 issue of Model Railroader magazine? Either as written in Microsoft BASIC for the TRS80 Model I computer, or translated into Microsoft BASIC for Apple, Microsoft BASIC II for Atari, etc.? I am trying to translate it from the original to Atari Microsoft BASIC, and am not having much success. I question whether the program as written in MR will even run on a Radio Shack TRS80. I have found what appear to me to be several fatal programming flaws. I would appreciate any help from any other model railroaders working on this. Thanks in advance.

Bill Dippert
c/o Tektronix Inc.
P.O. Box 3500
Vancouver, WA 98668-3500

or

tektronix!tekig5!tekigm2!wrd

From -4665487987361247287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9d7a79de8bf416f8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-20 10:38:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site iham1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!iham1!jsk
From: jsk@iham1.UUCP (Jim Kent)
Newsgroups: net.micro.apple
Subject: Appleworks problems
Message-ID: <483@iham1.UUCP>
Date: Wed, 20-Nov-85 13:38:54 EST
Article-I.D.: iham1.483
Posted: Wed Nov 20 13:38:54 1985
Date-Received: Thu, 21-Nov-85 07:27:09 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 10

<>
I have Appleworks 1.2 for my 128k //e and have been having problems printing. I have heard that there a some known problems with Appleworks. If any one has any information concerning problems/solutions for Appleworks, I would like to hear from you.

Thanks,
Jim Kent
..!ihnp4!iham1!jsk

From -671900857456304655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7640065911a65b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-20 11:27:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cylixd.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!akgub!cylixd!cth
From: cth@cylixd.UUCP (Tom Holcomb)
Newsgroups: net.micro.apple
Subject: Apple II+
Message-ID: <513@cylixd.UUCP>
Date: Wed, 20-Nov-85 14:27:05 EST
Article-I.D.: cylixd.513
Posted: Wed Nov 20 14:27:05 1985
Date-Received: Sat, 23-Nov-85 00:09:00 EST
Distribution: net
Organization: RCA Cylix Communications , Memphis, TN
Lines: 6

I have two disks which have glitches. Unfortunately, I do not have
backups for them. Does anybody know of a utility program out there for
     the Apple II+ which I can use to retrieve all or part of the information
on them? Thanks in advance.

Tom Holcomb

From 625547318511315864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-21 08:42:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site ism70.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!harvard!think!ism70!josh
From: josh@ism70.UUCP
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question
Message-ID: <11700007@ism70.UUCP>
Date: Thu, 21-Nov-85 11:42:00 EST
Article-I.D.: ism70.11700007
Posted: Thu Nov 21 11:42:00 1985
Date-Received: Mon, 25-Nov-85 07:30:09 EST
References: <46@<2a3bb0e3.UUCP>
Lines: 4
Nf-ID: #R:<2a3bb0e3:-4600:ism70:11700007:000:192
Nf-From: ism70!josh   Nov 21 11:42:00 1985

response to][+ question.....answer is no a very positive no only
][e and][c can operate prodos your friend will have to settle

for good old dos 3.3 any other questions on prodos let me know

From -5017708690390792188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5c60aed2acc639d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-22 07:57:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!harvard!talcott!panda!genrad!
decvax!ittatc!dcdwest!sdcsvax!noscvax!tetra!jtjones
From: jtjones@tetra.UUCP (Jeffrey T. Jones)
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question?)
Message-ID: <113@tetra.UUCP>
Date: Fri, 22-Nov-85 10:57:10 EST
Article-I.D.: tetra.113
Posted: Fri Nov 22 10:57:10 1985
Date-Received: Mon, 25-Nov-85 07:34:33 EST
References: <2a3bb0e3.46b9@apollo.uucp>
Reply-To: jtjones@tetra.UUCP (Jeffrey T. Jones)
Organization: Naval Ocean Systems Center, San Diego
Lines: 21

>But it is only now that I have some friends running PRODOS, that I
>would like to be able to. DOS 3.3 always served me well and I use CP/M
>most of the time anyway. So, if you know the answer and could take a
>minute to send it, I would appreciate it.

Get yourself a 16K ramcard (if you haven't one already) and boot it up.
That's all there is to it.

I know for a fact that ProDOS 1.0.1 works on a][+ w/ 64K (that's what I got).
I'm not sure about 1.0.2 because I don't think I bothered getting the update
yet. Some disks might not work however, like the //c System Utilities disk.
I think that only works on //c's and enhanced //e's. Bye.....

--
Any opinions expressed above are soley my own and have NO connection with the
thoughts of NOSC, NAVELEX, or the U.S. Government to the above subject.
--
Jeffrey T. Jones
Naval Ocean Systems Center
Code 811 - VHSIC Project Office
jtjones@nosc.ARPA
San Diego, CA 92152
{ihnp4,decvax,ucbvax}!sdcsvax!noscvax!jtjones
(619) 225-7815/6143

From -1317462345264400473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5c60aed2acc639d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-22 08:36:13 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!harvard!talcott!panda!genrad!
decvax!ittatc!dcdwest!sdcsvax!noscvax!tetra!jtjones
From: jtjones@tetra.UUCP (Jeffrey T. Jones)
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question?)
Message-ID: <114@tetra.UUCP>
Date: Fri, 22-Nov-85 11:36:13 EST
Article-I.D.: tetra.114
Posted: Fri Nov 22 11:36:13 1985
Date-Received: Mon, 25-Nov-85 07:34:44 EST
References: <2a3bb0e3.46b9@apollo.uucp>
Reply-To: jtjones@tetra.UUCP (Jeffrey T. Jones)
Organization: Naval Ocean Systems Center, San Diego
Lines: 31

Ps. I was looking around on my hard disk and lo and behold I saw the filename
'PRODOS.PAT'. Hmm, what could that be I said. Let's look...

> Date: 16 Oct 85 19:05:00 GMT
>
>   There is an easier and cheaper way to run PRODOS on the //+. Just do
> a little disk doctoring so that the check for a //e finds one no matter
> what type of computer you are working on.
>   I have normally used this patch for my Franklin to run ProDOS but
> it also works with the //+.
>
>   1) Read Track 1, Sector 9 with a sector editor (Zap/CIA/....)
>   2) Change the values at locations $0B,$0C to EA's.
>   3) Boot and Enjoy.
>
>   If you have any problems let me know here on the net. I put this
> patch up from memory and it may be incorrect so make a backupt first.
>
>   Leonard Rosenthol

Hmm. Maybe tha's how I could use the //c System Utilities disk. But alas,
it probably uses 128K anyway. Oh well. Hope this helps.

--
Any opinions expressed above are soley my own and have NO connection with the
thoughts of NOSC, NAVELEX, or the U.S. Government to the above subject.
--
Jeffrey T. Jones   Naval Ocean Systems Center
                                                Code 811 - VHSIC Project Office
jtjones@nosc.ARPA   San Diego, CA 92152
{ihnp4,decvax,ucbvax}!sdcsvax!noscvax!jtjones   (619) 225-7815/6143

From -4708743386765652004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c9a967346c4f6c8e,start

X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,c9a967346c4f6c8e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-23 06:55:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!aer
From: aer@alice.UucP (D. Rosenberg)
Newsgroups: net.micro.apple,net.wanted
Subject: Apple //e System for sale
Message-ID: <4612@alice.UUCP>
Date: Sat, 23-Nov-85 09:55:59 EST
Article-I.D.: alice.4612
Posted: Sat Nov 23 09:55:59 1985
Date-Received: Sun, 24-Nov-85 07:19:12 EST
Organization: Bell Labs, Murray Hill
Lines: 46
Xref: watmath net.micro.apple:2349 net.wanted:7632

For sale:

 (1) Apple //e
 (1) slightly re-arranged Disk][drive with interface
 (1) IDS 480 Microprism printer
 (1) Grappler+ graphic dump interface to go with above
 (1) Video-7 RGB/64 combination RGB interface and extended 64K 80 column
     card for above
 (1) Taxan RGBvision III monitor (digital, 640x262 res., .38mm dot pitch)
     which also says "Acorn Computer" on the front (for above with an Apple //)

Features and other stuff:

  The Apple //e CPU has been upgraded (by the dealer) in the following ways:
It's got a revision B motherboard, a revision B keyboard with an uncharacterist-
ly good feel for a //e, and the 65C02/ROMchip/char_gen upgrade

  The re-arranged in Disk][means it no longer has a write-protect sense,
but rather a homemade switch. I'll part with it cheap.

  The IDS 480 Microprism is a sort of fast (80 cps/110 cps) printer which was
the first to have a real correspondance mode, and looks better than some of
the other correspondance modes you'll see- I'll send you a copy via USmail
if you like. The Grappler+ is your standard control-I and dump Anything
printer.I've got the pinter working with Applewriter //e 2.1 and Appleworks.

  The Video-7 card is just like an ext. 80 column card, making this a 128K
computer. The Apple //e graphics (even double-high-resolution) cannot do justiceto
the Taxan monitor.

Also for sale:

Mockingboard C sound board (uses 6522 versatile interface chip, has 6 pure
                            tone channels divided three into left and right,

two noise generators, and the really amazing
SSi 263 (as seen in Byte) speech synthesizer
chip on board. With much software.)

And a lot of disks full of interesting creations.
And software.

(Like Music Construction Set comes with the Mockingboard, and I am selling
 TNET 2.0h BBS software.)
telephone: 1-201-464-5269, after 3pm, ask for Dan.
--
##
#D. Rosenberg
#..ihnp4!alice!aer   "These are My Opinions- and mine alone."

From -513997138749570147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,549dfa2ba9ec5d9d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-23 15:57:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site mips.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!oliveb!glacier!mips!todd
From: todd@mips.UUCP (Todd Basche)
Newsgroups: net.micro.apple
Subject: Apple IIC to Apple IIE Bus Convertor
Message-ID: <237@mips.UUCP>
Date: Sat, 23-Nov-85 18:57:53 EST
Article-I.D.: mips.237
Posted: Sat Nov 23 18:57:53 1985
Date-Received: Mon, 25-Nov-85 08:15:37 EST
Organization: MIPS Computer Systems, Mountain View, CA
Lines: 19

My brother has an Apple IIC and is generally quite happy with it.
He is now looking to buy some more exciting boards and use them with his
computer. Boards like speech I/O, household minders,etc,etc.
He has discovered(of course) that the IIC is fine but NOT expandable.

He was told (By Apple) of the existence of a company called :
" SICO Consumer Electronics " .
They are purported to make a Apple IIC to Apple IIE convertor.
This would allow you to have a chassis that you could populate with
Apple IIE cards and cable over to your Apple IIC .

Sounds like a good idea...

If anyone out there has any info on such a beast please let me know.

Thanks,
Todd Basche
MIPS Computer Systems

415-960-1200

From -1930864082865630146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,374d282c63925f3d,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,374d282c63925f3d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-23 16:07:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.BERKELEY.EDU
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!harvard!talcott!panda!genrad!
decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!ucla-cs!ucbvax!ucbcory!hollings
From: hollings@ucbcory.BERKELEY.EDU (Jeff Hollingsworth)
Newsgroups: net.micro,net.micro.apple
Subject: Problem downloading files with Kermit
Message-ID: <11060@ucbvax.BERKELEY.EDU>
Date: Sat, 23-Nov-85 19:07:26 EST
Article-I.D.: ucbvax.11060
Posted: Sat Nov 23 19:07:26 1985
Date-Received: Wed, 27-Nov-85 05:38:33 EST
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: hollings@ucbcory.BERKELEY.EDU (Jeff Hollingsworth)
Organization: University of California, Berkeley
Lines: 13
Xref: watmath net.micro:12854 net.micro.apple:2359

I am having trouble using kermit to transfer files between an Apple
IIe, and UNIX. When I try to send files from UNIX to my Apple, all
occurences of the "&" (ascii 38) character are removed. This happens
in both the image and text mode. However, all goes ok when I transfer
a file from the Apple TO UNIX. Does anyone have an idea what is happening.
The Apple has a Super Serail card if that helps.

Thanks in advance.

Jeff Hollingsworth UUCP: ucbvax!cory!hollings
              ARPA: hollings%cory@ucbvax.BERKELEY.EDU
              AT&T: (415) 653-3723

From -6897926781585103104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,312ed3f7dba0acab
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-23 22:04:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unmc.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!cmcl2!lanl!unm-la!unmvax!
unmc!cs2551ap
From: cs2551ap@unmc.UUCP

Newsgroups: net.micro.apple
Subject: Re: Apple ProDos help needed
Message-ID: <545@unmc.UUCP>
Date: Sun, 24-Nov-85 01:04:52 EST
Article-I.D.: unmc.545
Posted: Sun Nov 24 01:04:52 1985
Date-Received: Mon, 25-Nov-85 07:51:56 EST
References: <109@tetra.UUCP> <>
Reply-To: cs2551ap@unmc.UUCP (Tom Brown)
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 14

In article <> ldr292@uiucuxa.CSO.UIUC.EDU writes:
>
>   I am not familiar with the book of which you speak, but there is a command in ProDOS similiar (but not quite like cd in UNIX). The command is 'path ='.
>   The syntax is   'path ='<pathname>. where pathname is the logical pathname of the directory you wish to set. (ie. system/wpfiles)
>   Hope that helped.
>
>   Leonard Rosenthol
>@uiucuxa/ldr292

Never heard of that command, but you might want to try]PREFIX <PATHNAME> instead.

                    Tom Brown

                                  ^
                                  |
                                  |
                               THAT is a prompt! :-)

From 4873867845093953234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b562289da2a7af15
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-24 11:51:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!seismo!cmcl2!lanl!unm-la!unmvax!nmtvax!kenyon
From: kenyon@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: trace/ss an appleII+ ?
Message-ID: <881@nmtvax.UUCP>
Date: Sun, 24-Nov-85 14:51:03 EST
Article-I.D.: nmtvax.881
Posted: Sun Nov 24 14:51:03 1985
Date-Received: Wed, 27-Nov-85 05:22:23 EST
References: <2a22a8a9.46b9@apollo.uucp> <>
Reply-To: kenyon@nmtvax.UUCP (Rob Kenyon -A stranger in a stranger land)
Organization: New Mexico Tech (You call that an Organization?)
Lines: 19

In article <> ben@moncol.UUCP (Bennett Broder) writes:
>.. In case you're curious, the
>trace and step commands were deleted from the monitor ROM to make
>room for Applesoft, since Applesoft is much bigger than integer.
>Hope this helps.
>
>Ben Broder

If I remember correctly, Trace and Step were taken out of the F8 ROM to
make room for the Autostart capabilities of the II+.

(Just a piece of history of an ancient and obsolete machine. I just
hope that mine keeps running until I get out of college.   :-)
--

Robert Kenyon
...ucbvax!unmvax!nmtvax!kenyon

Your father was a mother and your hamster smells of eldeberries!

From -7438668300938354384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-24 12:52:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site amdcad.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!amdcad!sorensen
From: sorensen@amdcad.UUCP (Tim Olson)
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question
Message-ID: <6852@amdcad.UUCP>
Date: Sun, 24-Nov-85 15:52:26 EST
Article-I.D.: amdcad.6852
Posted: Sun Nov 24 15:52:26 1985
Date-Received: Mon, 25-Nov-85 07:27:59 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP>
Organization: AMDCAD, Sunnyvale, CA
Lines: 19

In article <11700007@ism70.UUCP>, josh@ism70.UUCP writes:
>
> response to][+ question.....answer is no a very positive no only
>][e and][c can operate prodos your friend will have to settle
> for good old dos 3.3 any other questions on prodos let me know

Oh.. I guess I'll have to quit using Prodos on my old Apple][:-)
Really, Prodos can be used on Apple][']s and][+']s with "Language
Cards" (16K Ram cards). However, since Apple][']s have Integer
Basic in ROM, and Prodos only supports Applesoft Basic, Apple][']s
(not][+']s) running Prodos cannot support Basic (no great loss ;-).
I have been using EDASM under Prodos for quite a while now, and am

pleased with it.

     Tim Olson
     Advanced Micro Devices

     ihnp4!amdcad!sorensen

From 8921644079265540713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9622655a17168e45,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-25 21:26:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site jhunix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!gymble!
umcp-cs!aplcen!jhunix!ins_aeas
From: ins_aeas@jhunix.UUCP (Earle A .Sugar)
Newsgroups: net.micro.apple
Subject: Rana Disk drives
Message-ID: <1300@jhunix.UUCP>
Date: Tue, 26-Nov-85 00:26:52 EST
Article-I.D.: jhunix.1300
Posted: Tue Nov 26 00:26:52 1985
Date-Received: Fri, 29-Nov-85 07:42:13 EST
Distribution: net
Organization: The Johns Hopkins University
Lines: 25

I understand that Rana Systems is no more. Does anybody know if any
company is going to take over support of Rana products, and/or will
Rana rise from its ashes like Osborne? I am particularly interested
in getting a Prodos update for my enhancer disk, and if Rana is out of
business for good, can I get schematics of my Rana controller and
disk drives so I can repair them myself? Rana made decent products
(particularly compared to the junk that that their competitors such
as MicroSci put out), and it is a pity to see them go.
     Also, can somebody send me some information on the Mountain
Computer Clock Card for the Apple? I especially want to know how to
set up timed interrupts using the clock (I have this dream of multi-tasking
DOS). Can somebody send me the address of the company that makes this
ancient piece of hardware (it says copyright 1978 on the card).
Thanks.

--

Earle A. Sugar
Disclaimer:"I doubt anyone else here agrees with me."
          USENET: ...!seismo!umcp-cs!aplvax!aplcen!jhunix!ins_aeas
          CSNET:ins_aeas@jhunix.csnet
          ARPA:ins_aeas%jhunix.csnet@csnet-relay.arpa

BITNET: INS_BEAS@JHUVMS (as a last resort)
or call 301-889-0815 after 6 P.M. EST

From 6596466595613260584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a291fd32cd4fb875,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 07:06:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ut-ngp.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!dual!lll-lcc!lll-crg!seismo!ut-sally!ut-ngp!cgeiger
From: cgeiger@ut-ngp.UUCP (Charles S. Geiger, Esq.)
Newsgroups: net.micro.apple
Subject: Is there a kermit for Apple /// out there somewhere?
Message-ID: <2651@ut-ngp.UUCP>
Date: Tue, 26-Nov-85 10:06:46 EST
Article-I.D.: ut-ngp.2651
Posted: Tue Nov 26 10:06:46 1985
Date-Received: Fri, 29-Nov-85 08:14:03 EST
Distribution: net
Organization: UTexas Computation Center, Austin, Texas
Lines: 7

Well, is there? I need desperately to get ascii text files off of
this ancient machine, and I have no way of doing it; nothing I know
of recognizes the SOS operating system.

Thanks,
Charles Geiger
University of Texas

From 5930451045111017261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 07:25:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!ucdavis!ucbvax!decvax!ittatc!dcdwest!sdcsvax!noscvax!tetra!jtjones
From: jtjones@tetra.UUCP (Jeffrey T. Jones)
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question
Message-ID: <115@tetra.UUCP>
Date: Tue, 26-Nov-85 10:25:08 EST
Article-I.D.: tetra.115
Posted: Tue Nov 26 10:25:08 1985
Date-Received: Fri, 29-Nov-85 08:44:17 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP>
Reply-To: jtjones@tetra.UUCP (Jeffrey T. Jones)

Organization: Naval Ocean Systems Center, San Diego
Lines: 22

In article <11700007@ism70.UUCP> josh@ism70.UUCP writes:
>
>response to][+ question.....answer is no a very positive no only
>][e and][c can operate prodos your friend will have to settle
>for good old dos 3.3 any other questions on prodos let me know

HORSE FEATHERS!!! As I already stated in a previous message to the net,
I AM running ProDOS on my][+ w/64K!! Or actually I can run it. (I still
prefer DOS 3.3)

Please don't spread misinformation. It's tough enough for a person when
they ask a question like this, and then get two totally conflicting answers.

--
Any opinions expressed above are soley my own and have NO connection with the
thoughts of NOSC, NAVELEX, or the U.S. Government to the above subject.
--
Jeffrey T. Jones
jtjones@nosc.ARPA
{ihnp4,decvax,ucbvax}!sdcsvax!noscvax!jtjones

Naval Ocean Systems Center
Code 811 - VHSIC Project Office
San Diego, CA 92152
(619) 225-7815/6143

From 4674281860004297342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6d3ca2da39ab3bb1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 10:08:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: Terminal for a][(not e or +)
Message-ID: <824@mmintl.UUCP>
Date: Tue, 26-Nov-85 13:08:55 EST
Article-I.D.: mmintl.824
Posted: Tue Nov 26 13:08:55 1985
Date-Received: Sat, 7-Dec-85 15:29:36 EST
References: <1222@jhunix.UUCP>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Distribution: net
Organization: Multimate International, E. Hartford, CT
Lines: 21
Summary:

*

At least on the Apple II+, the hardware looks like a Datamedia. CP/M 2.2 does a software translation from a Soroc IQ-120 lookalike to the Datamedia control codes. So CP/M looks like a Soroc. Under DOS 3.3, try telling your program that you are a Datamedia, and see if that can be recognized.


```
     ***********************************************
     *    Jeff Miller                *
     *    Multimate International Corp.        *
     *    52 Oakland Avenue          *
     *    East Hartford, CT  06108-9911        *
     *    (203) 522-2116 x257             *
     *  UUCP:                    *
     * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
     *                            *
     * P.S. I can't *mail* to ARPA but I can receive *
     * from there and news I *post* should get there    *
     ***********************************************
*
```



```
From -1626224025389524808
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39a2083cdca5365d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 15:01:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdcsu.UUCP
Path: utzoo!watmath!watnot!watdcsu!dziegler
From: dziegler@watdcsu.UUCP (Rudolf Shmitt)
Newsgroups: net.micro.apple
Subject: Applesoft Interrupts
Message-ID: <1914@watdcsu.UUCP>
Date: Tue, 26-Nov-85 18:01:07 EST
Article-I.D.: watdcsu.1914
Posted: Tue Nov 26 18:01:07 1985
Date-Received: Wed, 27-Nov-85 05:12:08 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 20
```


   In order to allow people who do not know assembly
to write interrupt code for a data aquisition system
I am trying to set up a system whereby (actual
(slow) hadrware) interrupts can be written in applesoft .
It is important that this code use the same variables
as the main program (so don't suggest using the two
address spaces of the IIe/c) .

   I've tried a simulated CTRL-C with an onerr in
the main program , but was foiled by the microsoft

HAPPY-CODE (not to mention needing a ramcard
which is undesirable) . My current version maintains
a second zero page for the interrupt (except for
pointers to variable space) , and the interrupt
applesoft sits elsewhere in memory . I am having weird
but persistent problems with this scheme and am looking
for suggestions as to what they might be , or viable
alternate methods .

From -4132473845220914477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 19:22:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc13.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!lll-lcc!
vecpyr!amd!amdcad!decwrl!pyramid!gould9!ncr-sd!sdcc6!sdcc3!sdcc13!33500911
From: 33500911@sdcc13.UUCP ({|lit})
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question)
Message-ID: <374@sdcc13.UUCP>
Date: Tue, 26-Nov-85 22:22:56 EST
Article-I.D.: sdcc13.374
Posted: Tue Nov 26 22:22:56 1985
Date-Received: Fri, 29-Nov-85 10:30:51 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP> <115@tetra.UUCP>
Reply-To: 33500911@sdcc13.UUCP (James A. Hayes)
Followup-To: net.micro.apple
Distribution: net
Organization: U.C. San Diego Beer & Pizza Society
Lines: 39
Keywords: ProDOS
Summary: Yup.

In article <115@tetra.UUCP> jtjones@tetra.UUCP (Jeffrey T. Jones) writes:
>>
>> response to][+ question.....answer is no a very positive no only
>>][e and][c can operate prodos your friend will have to settle
>> for good old dos 3.3 any other questions on prodos let me know
>
> HORSE FEATHERS!!! As I already stated in a previous message to the net,
> I AM running ProDOS on my][+ w/64K!! Or actually I can run it. (I still
> prefer DOS 3.3)
>

As a side note:

     I'm running the latest version of ProDOS on my Apple
][. (Serial number 18033, circa 1978) It works fine. No problems
whatsoever. (That is if you have a 16K ramcard & Applesoft)

> Please don't spread misinformation. It's tough enough for a person when
> they ask a question like this, and then get two totally conflicting answers.
>

The above needs to be said more than once:

> Please don't spread misinformation. It's tough enough for a person when
> they ask a question like this, and then get two totally conflicting answers.

--
                        - Jim Hayes

UUCP: {ihnp4,decvax,ucbvax, etc.}!sdcsvax!sdcc13
ARPA: 33500911%sdcc13@SDCSVAX.ACC.EDU

"A scientist must also be absolutly like a child. If he sees a
thing, he must say that he sees it, whether it was what he thought
he was going to see or not. See first, think later, then test. But
always see first. Otherwise you will only see what you were
expecting. Most scientists forget that." -- John Watson

From -3119010831939807350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,5bc05ffb7b2de78b,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 129c11,5bc05ffb7b2de78b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5bc05ffb7b2de78b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,5bc05ffb7b2de78b,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-11-26 19:23:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.BERKELEY.EDU
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!ittatc!
dcdwest!sdcsvax!sdcrdcf!ucla-cs!ucbvax!ucbbuddy!c55-hc
From: c55-hc@ucbbuddy.BERKELEY.EDU (Brent Chapman)
Newsgroups: net.micro,net.micro.apple,net.micro.mac,net.micro.68k
Subject: Anyone know how Lisa keyboard works?
Message-ID: <11090@ucbvax.BERKELEY.EDU>
Date: Tue, 26-Nov-85 22:23:11 EST
Article-I.D.: ucbvax.11090
Posted: Tue Nov 26 22:23:11 1985
Date-Received: Thu, 28-Nov-85 23:59:37 EST
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: c55-hc@ucbbuddy.BERKELEY.EDU (Brent Chapman)
Organization: UNIXversity of California, Berkeley
Lines: 13
Xref: watmath net.micro:12873 net.micro.apple:2362 net.micro.mac:3611
net.micro.68k:1371

<Chomp chomp>

Does anyone happen to know how the Lisa keyboard works, ie what signals
go over which wires? In particular, I'm trying to figure out how to
hook up a Lisa keyboard to an Apple II+. The II+ has a 7-bit parallel
ascii-encoded keyboard interface. The Lisa's plug is simply a standard
1/8 inch stereo plug. The keyboard didn't include any documentation
on how it works. Any help would be greatly appreciated!

Brent Chapman
ucbvax!ucbugs!chapman   chapman@ucbugs.BERKELEY.EDU
ucbvax!ucbbuddy!c55-hc   ucbvax!dual!waldo!chapman
{ One of these paths SHOULD work... }

From 1543309080023478851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,9cdd42fab2ad43ac,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,9cdd42fab2ad43ac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-26 20:08:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site clyde.UUCP
Path: utzoo!watmath!clyde!tcg
From: tcg@clyde.UUCP (Tom Guthrie)
Newsgroups: net.micro.apple,net.games
Subject: Beyond Castle Wolfenstein
Message-ID: <893@clyde.UUCP>
Date: Tue, 26-Nov-85 23:08:34 EST
Article-I.D.: clyde.893
Posted: Tue Nov 26 23:08:34 1985
Date-Received: Wed, 27-Nov-85 06:13:01 EST
Distribution: net
Organization: AT&T Bell Laboratories, Whippany NJ
Lines: 2
Xref: watmath net.micro.apple:2360 net.games:2354

Does anyone know how to permanently disable the alarms in Beyond Castle
Wolfenstein?

From -8143656491887935727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,549dfa2ba9ec5d9d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 01:15:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!ucdavis!
ucbvax!decvax!tektronix!reed!kamath
From: kamath@reed.UUCP (Sean Kamath)

Newsgroups: net.micro.apple
Subject: Re: Apple IIC to Apple IIE Bus Convertor (expanding the //c)
Message-ID: <2200@reed.UUCP>
Date: Wed, 27-Nov-85 04:15:38 EST
Article-I.D.: reed.2200
Posted: Wed Nov 27 04:15:38 1985
Date-Received: Fri, 29-Nov-85 11:16:44 EST
References: <237@mips.UUCP>
Reply-To: kamath@reed.UUCP (Sean Kamath)
Organization: Reed College, Portland, Oregon
Lines: 35

In article <237@mips.UUCP> todd@mips.UUCP (Todd Basche) writes:
>My brother has an Apple IIC and is generally quite happy with it.
>He is now looking to buy some more exciting boards and use them with his
>computer. Boards like speech I/O, household minders,etc,etc.
>He has discovered(of course) that the IIC is fine but NOT expandable.
>
>If anyone out there has any info on such a beast please let me know.
>
>Thanks,
>Todd Basche
>MIPS Computer Systems
>415-960-1200

I don't know about the conversion, but I do know that several third party vendors do make expansion cards for the //c. They include a Z80 card, a memory expansion card (both from Applied Engineering), a speech/sound synthesis card from the guys who make the mockingboard (called the mockingboard c) and I believe a 65816 or somesuch number microprocessor board from (I think) Legend. I'm not sure, as I don't have the advertisements here. You can look them up in any magazine that has flashy advertisements, such as A+, InCidar and Nibbles (For real info, try Open-Apple). You will find that there are several makers of these boards.

Also, I hear tell, from semi-reliable sources whom I cannot recall right now, that Apple _may_ honor warrenty repairs on //c's that have these third party upgrades. Apple finally learned that no matter how "closed" their architecture is, _someone_ will do something to improve it.

I have no connection with anyone mentioned here except myself, and I'm sure many of the names are trademarked.

Sean Kamath

From -2787334183903247437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39a2083cdca5365d
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-11-27 06:19:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdcsu.UUCP
Path: utzoo!watmath!watnot!watdcsu!dziegler
From: dziegler@watdcsu.UUCP (Rudolf Shmitt)
Newsgroups: net.micro.apple
Subject: Re: Applesoft Interrupts
Message-ID: <1917@watdcsu.UUCP>
Date: Wed, 27-Nov-85 09:19:21 EST
Article-I.D.: watdcsu.1917
Posted: Wed Nov 27 09:19:21 1985
Date-Received: Thu, 28-Nov-85 03:32:58 EST
References: <1914@watdcsu.UUCP>
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 12

   error : I forgot to mention that I do in fact also swap
the stack and the processor registers (stack
pointer included) .

   One weird bug is that if the interrupt prints
a string out n characters long while the main
program is waiting for input , then applesoft
reads the current line as n characters long .
Does anyone know of the existance of a second input
/output pointer ,(perhaps in dos) that might cause
this .

From -7667903178145047971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 09:52:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!gymble!
umcp-cs!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: prodos on an apple][+ (old question
Message-ID: <241@ius2.cs.cmu.edu>
Date: Wed, 27-Nov-85 12:52:11 EST
Article-I.D.: ius2.241
Posted: Wed Nov 27 12:52:11 1985
Date-Received: Sat, 30-Nov-85 07:00:29 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP>
Organization: Carnegie-Mellon University, CS/RI
Lines: 18

In article <11700007@ism70.UUCP> josh@ism70.UUCP writes:

>
>response to][+ question.....answer is no a very positive no only
>][e and][c can operate prodos your friend will have to settle
>for good old dos 3.3 any other questions on prodos let me know

INCORRECT!!!!

I can run MousePaint on my][+, and MousePaint is a ProDOS program.
Even dealers are confused about this, it seems.

Now there are some programs, like GATO (submarine simulation) that
make use of the auxiliary 64K memory available on the //e & //c,
but ProDOS does not require this extra memory or double-hires,
so it WILL run on a 64K][+.

- Ralph

From -1955628000280154675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9622655a17168e45
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 10:40:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gumby.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!seismo!
uwvax!gumby!hammen
From: hammen@gumby.UUCP
Newsgroups: net.micro.apple
Subject: Re: Rana Disk drives
Message-ID: <25@gumby.UUCP>
Date: Wed, 27-Nov-85 13:40:24 EST
Article-I.D.: gumby.25
Posted: Wed Nov 27 13:40:24 1985
Date-Received: Fri, 29-Nov-85 21:37:54 EST
References: <1300@jhunix.UUCP>
Distribution: net
Organization: U of Wisconsin CS Dept
Lines: 16

> I understand that Rana Systems is no more. Does anybody know if any
...etc.
> disk drives so I can repair them myself? Rana made decent products
> (particularly compared to the junk that that their competitors such
> as MicroSci put out), and it is a pity to see them go.

Now hold on just a minute. I've had Micro-Sci disk drives for three years right
now and have had no problems whatsoever with them. At the time I purchased
them, they were half the cost of an Apple drive and at least $50 cheaper than
Rana's. My high school has had Micro-Sci drives for years without having any
problems; their Apple drives need speed adjustments every couple months or so.

I never had much luck using the Rana drives, as they're really not very

compatible, particularly with copy-protected software. I would suggest to the author of the above that he choose his words more carefully next time.

Robert J. Hammen
Manta Software
U of Wisc. CS
@gumby.wisc.edu

From -8918606029167487146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7640065911a65b4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 11:41:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cylixd.UUCP
Path: utzoo!decvax!mcnc!akgua!akgub!cylixd!cth
From: cth@cylixd.UUCP (Tom Holcomb)
Newsgroups: net.micro.apple
Subject: Apple II+
Message-ID: <535@cylixd.UUCP>
Date: Wed, 27-Nov-85 14:41:18 EST
Article-I.D.: cylixd.535
Posted: Wed Nov 27 14:41:18 1985
Date-Received: Fri, 29-Nov-85 00:30:25 EST
Distribution: na
Organization: RCA Cylix Communications , Memphis, TN
Lines: 9

To: -Gadi
FRIEDMAN@BLUE.RUTGERS.EDU

Thanks for the info on LIFESAVER. I'd be interested in looking more into it. If you should find out who sells it, I'd appreciate your letting me know. Thanks again.

Tom Holcomb

From 8453655438625773204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7640065911a65b4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 11:44:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cylixd.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!akgub!cylixd!cth
From: cth@cylixd.UUCP (Tom Holcomb)
Newsgroups: net.micro.apple
Subject: Apple II+
Message-ID: <536@cylixd.UUCP>
Date: Wed, 27-Nov-85 14:44:37 EST
Article-I.D.: cylixd.536

Posted: Wed Nov 27 14:44:37 1985
Date-Received: Fri, 29-Nov-85 00:05:26 EST
Distribution: net
Organization: RCA Cylix Communications , Memphis, TN
Lines: 8

To: Jeff Frontz

Thanks for the response regarding my problem with the bad disks. I'd
be interested in borrowing a backup of the utility disk you referred
to. Please let me know how I can receive a copy. Thanks again.

Tom Holcomb

From -5888934704421150969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7640065911a65b4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 11:47:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cylixd.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!akgub!cylixd!cth
From: cth@cylixd.UUCP (Tom Holcomb)
Newsgroups: net.micro.apple
Subject: Apple II+
Message-ID: <537@cylixd.UUCP>
Date: Wed, 27-Nov-85 14:47:24 EST
Article-I.D.: cylixd.537
Posted: Wed Nov 27 14:47:24 1985
Date-Received: Fri, 29-Nov-85 00:05:38 EST
Distribution: net
Organization: RCA Cylix Communications , Memphis, TN
Lines: 7

To: A. Bhamidipaty

Thanks for responding to my problem with the bad disks. Please let me
know how I can obtain copies of the programs. Thanks again.

Tom Holcomb

From 1518352427460522641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6938785e74fb608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 11:55:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site scbhq.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sb6!scbhq!sdp
From: sdp@scbhq.UUCP
Newsgroups: net.micro.apple

Subject: Re: Re: prodos on an apple][+ (old question
Message-ID: <226@scbhq.UUCP>
Date: Wed, 27-Nov-85 14:55:48 EST
Article-I.D.: scbhq.226
Posted: Wed Nov 27 14:55:48 1985
Date-Received: Fri, 29-Nov-85 00:05:52 EST
References: <46@<2a3bb0e3.UUCP> <11700007@ism70.UUCP>
Organization: South Central Bell,Birmingham,AL
Lines: 27

>
> response to][+ question.....answer is no, a very positive no, only
>][e and][c can operate prodos. Your friend will have to settle
> for good old DOS 3.3 any other questions on prodos let me know

I purchased a copy of ProDos from my Apple dealer, for about $50.
And it runs just fine on my Apple][+.

ProDos is designed to run in a pure Apple][+, it will not boot in
an Apple that has had modifyed proms added.
In the PROM, my version of ProDos 1.0.1 looks for the words
"Apple][", and in the disk drive it looks for a bit pattern in the
drive controller card to make sure it is an Apple card.
While looking at the disk controller it determins if there is a ProFile
 or if it is a 5 1/2" disk drive.

ProDos can be modifyed to boot on just about anything.........
Once I brought it up on my Apple][+ I modifyed it to run on
my Franklin and on my AVT-2, both of which run Apple Software.

So the answer that ProDos can only run on (in) a][e or][c is false!
==

                  Stephen Powers
                  Ziggy BBS
                  205-991-5696

From -6748454922925866084
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a291fd32cd4fb875
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-27 13:31:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!lll-crg!gymble!
umcp-cs!seismo!rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: Is there a kermit for Apple /// out there somewhere?
Message-ID: <243@ius2.cs.cmu.edu>
Date: Wed, 27-Nov-85 16:31:51 EST

Article-I.D.: ius2.243
Posted: Wed Nov 27 16:31:51 1985
Date-Received: Sat, 30-Nov-85 07:06:51 EST
References: <2651@ut-ngp.UUCP>
Distribution: net
Organization: Carnegie-Mellon University, CS/RI
Lines: 11

In article <2651@ut-ngp.UUCP> cgeiger@ut-ngp.UUCP (Charles S. Geiger, Esq.) writes:
>Well, is there? I need desperately to get ascii text files off of
>this ancient machine, and I have no way of doing it; nothing I know
>of recognizes the SOS operating system.
>
Well, ProDOS (for the Apple //) can read SOS Text files, so your problems should be solved if you can get find an Apple // running ProDOS. Then you should be able to upload the file from an Apple // a bit easier.

- Ralph

From -5115272128182226687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,741bcbdee9bef2e9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-29 04:50:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: Couple of questions
Message-ID: <4534@garfield.UUCP>
Date: Fri, 29-Nov-85 07:50:42 EST
Article-I.D.: garfield.4534
Posted: Fri Nov 29 07:50:42 1985
Date-Received: Sun, 1-Dec-85 15:28:12 EST
Sender: paulc@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 18

I heard that there is a UNIX system, like Source and Compuserve, is a time-sharing system. The name is probably called The Solution. Is there anyone familiar with it? I want to join this one in order to have full access of the networld. Could you give me some advises?
Also, I ask this for my friend," Is there any cable which can connect a modem or how is the configuration pin outs about the serial port for a //c?
Sorry folks, I received a lot of mails concerning my previous messages. But, I can't send the mail because of the priority here. Thanks to all of those who kindly answered my questions. If you want me a reply, give me your Source, Delphi or Compuserve user name if you have one, I have accounts in those systems.

I downloaded a Kermit from Source, but it's not working.
It runs on my Apple, but doesn't recognize my Super Serial card.
When it's fixed, I will post it here if I can. (I may get complaints
because it's about 64K in text format.)
Also, have you heard of Viewtron?
See you.
HONG

From -5504737513295188377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-25 07:58:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uthub.UUCP
Path: utzoo!utcsri!utai!uthub!goldste
From: goldste@uthub.UUCP (Jack Goldstein)
Newsgroups: net.micro.apple
Subject: Re: 65802
Message-ID: <244@uthub.UUCP>
Date: Fri, 25-Oct-85 10:58:16 EDT
Article-I.D.: uthub.244
Posted: Fri Oct 25 10:58:16 1985
Date-Received: Fri, 25-Oct-85 12:23:03 EDT
References: <2230@sdcc6.UUCP> <7200006@prism.UUCP>
Organization: CSRI, University of Toronto
Lines: 10

    There has been some discussion lately about replacing 6502's in
Apple's with 65802's. I don't understand what this accomplishes. Is
the 65802 faster? If so, how does the rest of the computer keep up?
Someone mentioned that there are many extra instructions but you can't
use them unless you are programming only for yourself (and perhaps the
very few others who have also made the upgrade). Am I missing something?

                  Jack Goldstein
                  utcsri!uthub!goldste

From -5422865063493045643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-25 21:02:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unmc.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!unmc!cs2551ao
From: cs2551ao@unmc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive **spoiler** :-)
Message-ID: <503@unmc.UUCP>

Date: Fri, 25-Oct-85 23:02:31 EST
Article-I.D.: unmc.503
Posted: Fri Oct 25 23:02:31 1985
Date-Received: Thu, 31-Oct-85 05:22:43 EST
References: <9800012@uiucuxa> <>
Reply-To: cs2551ao@unmc.UUCP (Dave North)
Organization: Univ. of New Mexico, Albuquerque
Lines: 31

In article <> ejb@think.UUCP (Erik Bailey) writes:
>In article <9800012@uiucuxa> spk256@uiucuxa.CSO.UIUC.EDU writes:
>>
>> Hi everyone...Listen, I just got through looking at the
>>latest issue of Incider, and First Class Peripherals has
>>dropped the price of the 10 megabyte hard drive "Sider"
>>to $595!!! This makes it only $96 more expensive than the
>>new Unidisk 3.5! Here's your choice: an 800k drive for $499,
>>or a 10 meg drive for $595....
>>
>Unless I'm completely mistaken, The Sider is a piece of junk. I read
>lot's of letters on an Info-Apple net (don't remember the name...), and
>all of it was VERY negative. There were many complaints of the drive
>crashing minutes after it was installed, making funny sounds (grinding)
>and other nasty stuff. Although the product is advertised as a well-made
>product, how can one trust a hard drive for only $595?
>

I didn't see the ad, but I thought the price was $695 + p&h.
Anyway, I have a coupla friends with siders and they like them.
Also, I've read reviews of them (A+, don't remember the other) that
were pretty good. The best way to make up your mind is decide whether you
want to deal with a mail-order only company. Cheap, but returns are slow.

I also heard that the support for them is good from the company, i.e. quick
replies to the questions you ask.

                        dave

% ps -a ; let's hear from those that do have siders.

From -9169508253702028429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-26 22:46:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!nmtvax!kenyon
From: kenyon@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive

Message-ID: <837@nmtvax.UUCP>
Date: Sun, 27-Oct-85 00:46:08 EST
Article-I.D.: nmtvax.837
Posted: Sun Oct 27 00:46:08 1985
Date-Received: Thu, 31-Oct-85 22:18:19 EST
References: <9800012@uiucuxa> <>
Reply-To: kenyon@nmtvax.UUCP (Rob Kenyon -A stranger in a stranger land)
Organization: New Mexico Tech (You call that an Organization?)
Lines: 17
Summary:

I don't have access to info-apple but I have yet to hear anything bad about
the Sider. There is a bulletin board in Albquerque(sp) that has a Sider and
the only trouble they have is with 1200 baud modem that they have been trying
to install.

Anybody have a sider that wants to clarify this? I want more storage but
would like to avoid 3 inch disks. Are siders reliable?

--

Well it's true,
Just take a look.
A cover sometimes makes the book.
                  (guess the song and the band and win a prize!)

                                    Rob Kenyon
                                    ...ucbvax!unmvax!nmtvax!kenyon

From 8319828975525285591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-27 12:34:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive
Message-ID: <9800014@uiucuxa>
Date: Sun, 27-Oct-85 15:34:00 EST
Article-I.D.: uiucuxa.9800014
Posted: Sun Oct 27 15:34:00 1985
Date-Received: Wed, 30-Oct-85 04:08:13 EST
References: <9800012@uiucuxa>
Lines: 10
Nf-ID: #R:uiucuxa:9800012:uiucuxa:9800014:000:426
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Oct 27 14:34:00 1985

Hello, Ok, there have been some problems with The Sider

Hard drive, however, there have been about 15 reviews,
and all of the Reviewers loved it...(Incider, Creative
Computer, etc)...It is true there are problems, but
it does have a warranty, and if you find anything
wrong with it, it's best to send it back and get a
new one while you're under warranty, thus, if you
keep it up, you should eventually get a great one...

From -2658974576676793249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0cad8b9f5fe6263
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-27 12:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Need Help With Apple IIE
Message-ID: <9800015@uiucuxa>
Date: Sun, 27-Oct-85 15:36:00 EST
Article-I.D.: uiucuxa.9800015
Posted: Sun Oct 27 15:36:00 1985
Date-Received: Wed, 30-Oct-85 04:08:25 EST
References: <170@srs.UUCP>
Lines: 7
Nf-ID: #R:srs.UUCP:-17000:uiucuxa:9800015:000:239
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Oct 27 14:36:00 1985

To trap out Ctrl-c's, all you have to do is use an
ONERR GOTO command somewhere in the beginning
of your command...the control c will be interpretted
as an "error" and will send the program to whatever
line number you told it to GOTO.

From -6131336577832654525
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70f6a93f8876eb7f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,70f6a93f8876eb7f,start
X-Google-Attributes: gid11946d,public
X-Google-ArrivalTime: 1985-10-29 13:49:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpm.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihlpm!terry2
From: terry2@ihlpm.UUCP (t. nelson)
Newsgroups: net.micro.apple,net.dcom
Subject: Data Protocol Question

Message-ID: <557@ihlpm.UUCP>
Date: Tue, 29-Oct-85 16:49:50 EST
Article-I.D.: ihlpm.557
Posted: Tue Oct 29 16:49:50 1985
Date-Received: Wed, 30-Oct-85 07:31:22 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 23
Xref: watmath net.micro.apple:2275 net.dcom:1415

  I use the Apple Access II software for my communication needs.
Up until recently those needs have only been to communicate
from home to the main-frame computer at work. When I want to
download a file into my apple, I open a recording file in Access
II and tell the main frame to concatenate (cat in UNIX) the file.
I am now exploring the world of Bulletin Boards. Most seem to
use various forms of data exchange protocol like XMODEM or
XMODEM/CRC. Access II uses Christensen (sp?) protocol. I have
been told that XMODEM and Christensen protocols are the same.
Is this true? What's the difference between XMODEM, XMODEM/CRC
and some other popular protocols? I have used Christensen protocol
between two Apples and it works fine (slow but fine).

          Thanks in advance.

--

..ihnp4!ihlpm!terry2   =-=-=-=-=-=-=-=-=-=-=-=-=-=-   "All this is
                       | Terry Nelson | because of me
      Keep | AT&T Bell Laboratories | and not my
       It | Naperville, Illinois | employer!"
        Warm   =-=-=-=-=-=-=-=-=-=-=-=-=-=-

From 7560908105476984280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-29 15:34:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!ucdavis!ucbvax!decvax!ittatc!
dcdwest!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Interupts on a apple][+
Message-ID: <76@noscvax.UUCP>
Date: Tue, 29-Oct-85 18:34:01 EST
Article-I.D.: noscvax.76
Posted: Tue Oct 29 18:34:01 1985
Date-Received: Sun, 3-Nov-85 08:41:39 EST
Reply-To: medin@nosc (Ted Medin)

Organization: Naval Ocean Systems Center, San Diego
Lines: 5
Keywords: interupts areg][+ I have been attempting to use the interupt features of the Super Serial

card and have come to the conclusion that the areg is not preserved for the interupt code. Specifically when I get an interupt the areg is always an 8 or 18 hex. This makes it very difficult to return to the interupted code with the regs restored.
 Can someone out there confirm this architecture failure on the][+ ??????

From -4580193279985279812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39a59a47ef9229b3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-29 20:44:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site usl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!akgub!usl!rww
From: rww@usl.UUCP (Robert W. Walsh)
Newsgroups: net.micro.apple
Subject: smarterm-80
Message-ID: <654@usl.UUCP>
Date: Tue, 29-Oct-85 23:44:40 EST
Article-I.D.: usl.654
Posted: Tue Oct 29 23:44:40 1985
Date-Received: Sat, 2-Nov-85 02:05:39 EST
Organization: USL, Lafayette, LA
Lines: 16

Has anyone done any assembly language programming using the ALS Smarterm? I cannot find the current address of the company, if they are still in business, and no one around here has one also. I am particularly interested in the memory locations necessary to address the screen directly without having to uses the on-board roms.

--

                                    Robert Walsh
ut-sally \   University of Southwestern Louisiana
          !usl!rww
  akgua /

From -3842014639111418539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eec17c834ab8c61,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-10-30 10:52:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site dadla.UUCP
Path: utzoo!decvax!tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro.apple
Subject: A Solution: 1200 baud vt52 or vt100 emulation (LONG)
Message-ID: <489@dadla.UUCP>
Date: Wed, 30-Oct-85 13:52:01 EST
Article-I.D.: dadla.489
Posted: Wed Oct 30 13:52:01 1985
Date-Received: Thu, 31-Oct-85 10:13:18 EST
Distribution: na
Organization: Tektronix, Beaverton OR
Lines: 259

Thanks to everyone who replied. After MANY hours of tinkering, I have finally found a solution!

Hardware side:
There was one MAJOR hardware problem: NO WHERE IN THE ACCESS II DOCUMENTATION DOES IT MENTION THAT YOU MUST ENABLE INTERUPTS ON YOUR APPLE SUPER SERIAL CARD! I view this as a consequence of Apple's idea of documentation. After enabling interrupts, my Apple no longer lost characters (real improvement!).

Software Side:
Using Apple Access II, I modified my vt52 termcap by adding delays to three commands: 200ms delay to the cm (cursor movement) command, 200ms to the sr (scroll reverse) command, and 10ms to the ce (clear to end of line sequence) command. It may be that 200ms is overkill on the delays, but I haven't had time to tinker with exactly how much delay is required. I still have a problem with vt100 emulation, but I'm sure this can be solved with a few delays added to that termcap. I set up the Access II terminal characteristics to use vt52 mode, 8 bits per character (not sure this makes a difference), no LF after a CR, and NO wraparound (makes a difference with vi), all other settings were left at defaults.

Another solution that works (but not quite as well) was to use Ascii Express Pro in Soroc emulation mode (a slightly enhanced ADM-3A). Unfortunately AE Pro does not do reverse scrolling on the Apple screen (which Access II does). Once again, you must enable interrupts on your serial card. A real plus to AE Pro is its ability to work with a large variety of serial cards - Access II ONLY works with the Apple Super Serial Card (but thats Apple for you). AE Pro is also easier to use with respect to setting up auto-logon command files - Access II requires a separate text editor ("Just use Appleworks" they say @#%$!!!). However, Access II is certainly easier to use right out of the box - if everything is configured of course! AE Pro comes in DOS 3.3 and Prodos versions. AE Pro works with all Apple II machines. With the Apple IIe, max baud rate is 4800 (possibly a problem).

If you really NEED vt100 emulation, the best solution is Softerm 2 from
a company called Softronics. It is expensive ($195) but it includes an
external keypad, GUARANTEES 100% vt100 emulation (30 day money back
guarantee), and according to a response from someone at Tek, it WORKS!
I haven't tried it, but that guarantee makes it tempting. The phone #
is 901-683-6850. It appears to be available for all Apple II machines.
Max baud rate is 9600 baud.

Note that Apple Access II does NOT work with Apple II's or Apple II+'s.
It also runs only under Prodos. It claims a max baud rate of 9600, not
tested however.

Thanks again!
Dale Call
work ph# 503-629-1118
tektronix!dadla!dcall

****
The following is a summary of the responses I received with fixes.
Note that responses from ARPANET machines cannot be replied to from sites
that are not part of ARPANET (i.e. most USENET sites)
****

From: decvax!ucbvax!sdcsvax!sdcc13!09876955
Date: Sun, 20 Oct 85 15:08:37 PDT
Message-Id: <8510202208.AA22293@sdcc13.ARPA>
Organization: U.C. San Diego, Terminal Illness Department.

There are many fixes. I'm running 80 columns on an Apple][(CIRCA
1978) I'm using a program I wrote myself. It will soon be running on
the Apple //e. It does a COMPLETE VT100 Emulation with ANSI line
editing built in. I'm really strapped for time, grades come first.
I will post an announcement to the net when I get the screen driver
for the //e running.

P.S. In the regular "BBS" dumb terminal mode, It DOESN'T DROP A
SINGLE CHARATER.

- Jim Hayes
  UC San Diego
  EE/CS Department -

UUCP: {decvax,ihnp4,hplabs,scrdcf}!sdcsvax!sdcc13!33500911
                                                  ^^^^^^^^<- A MUST!
BELL: (619) 450-9316
WM (Word of mouth network): Hey Jim!
Snail: P.O. Box 7378 La Jolla CA 92037

****

From: uw-beaver!cornell!vax135!houxm!houxf!dma
Date: Mon, 21 Oct 85 09:00:09 edt
Message-Id: <8510211300.AA12746@vax135.UUCP>

Dale,

I am using Softerm 2 with a //e and the 128K 80 column card to send
this reply. The software is emulating an HP 2622A, it is running on
a 9600 baud link (it actually seems to be running at about half that
rate). No bits are dropped, everything works fine. I'd suggest you
look at Softerm 2.

Doug Anderson
AT&T Bell Laboratories
houxf!dma

****

From: uw-beaver!cornell!vax135!mgnetp!mgwess!gek
Date: Tue, 22 Oct 85 08:11:39 edt
Message-Id: <8510221211.AA04274@vax135.UUCP>

I am using Access II with a //e, Super Serial Card at 1200 baud. I have never
had any problem with losing characters. VI doesn't work as well as I would like
but I am not having the same problem as you. Sorry I can't help you any more.

Jerry Krantz

****

From: decvax!ucbvax!ucbzooey.Berkeley.EDU!c160-3ay
Date: Mon, 21 Oct 85 00:16:36 PDT
Message-Id: <8510210716.AA29459@ucbzooey.ARPA>
Organization: University of California, Berkeley

I use Ascii Express on my apple II+ with an ordinary 80 col. card.
I was experiencing a similar problem: whenever vi cleared the screen,
I would lose the next 20 characters. Instead of trying to change my
hardware, I finally figured out how to change the TERMCAP to fix the
problem.

Look in the documentation for TERMCAP for how to insert delays after
clear-screen, return, and line-feed. This will slow down your
throughput a bit, but it's worth it to fix the problems without
throwing away your //e 80 column card.

Actually, the command to insert a return/linefeed delay is in tset.
This means that ALL cr/lf sent by unix, not just those programs that
use TERMCAP, will have a delay. This is probably what you want.
Look in the tset, or maybe it's stty, docs. Yes, maybe stty. (sorry
I'm not absolutely sure about anything!)

To do the clear screen delay, you will need to modify your termcap
by inserting the number of milliseconds of delay you need before the
screen clear character sequence (the sequence :cl=^L: should become
:cl=300^L:) - I used 300 which seemed to be about the minimum.

Modifying the termcap is more complex than you might expect. You
need to first copy the termcap info for vt52 or vt100 into a file
(using, for example, printenv TERMCAP > tcfile ... or
grep vt52 </etc/termcap >tcfile) Once you have that file, set the
environment variable TERMCAP to point to that file: for example,
setenv TERMCAP ~/tcfile. You can modify the file tcfile to include
the screen clear delay.

I hope this somewhat twisted advice helps! Good luck...

Oh, a possible hardware solution: get a modem or serial card that supports
interrupts. I can give you information on how to modify your card for
interrupts, if it's one of the ones in the Ascii Express manual. Oh,
Ascii Express is the only software that supports interrupts, as far as
I know.

.......ranjit bhatnagar

****

From: decvax!ittatc!dcdwest!sdcsvax!sdcc6!ix469
Date: Mon, 21 Oct 85 19:28:59 PDT
Message-Id: <8510220228.AA14438@sdcc6.ARPA>
Organization: U.C. San Diego, Academic Computer Center

Am currently writing this letter, via my Apple //e, at 1200 baud,
with Apple Access II, with no problems. Try using an 'ansi' tset.
Apple Access does not do an exact VT100, it implements the ANSI
terminal commands, of which the VT100 set is a superset. What can I
say? It works for me.

==================
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

****

From: ihnp4!dicomed!meccts!ahby
Date: Sat, 26 Oct 85 14:45:01 cdt
Message-Id: <8510261945.AA26251@dicomed.UUCP>
Organization: MECC Technical Services, St.Paul, MN

In article <475@dadla.UUCP> you write: (deleted for brevity by Dale)
Dale,

     you can use your super serial card at 1200 baud quite
effectively using Ascii Express. All you have to do is turn ON switch
6 of block 2. This will enable interrupts. Ascii Express will
recognise this, and no longer lose any characters. Also, Ascii
Express will work fine in 80 column mode in this configuration with
the regular APple 80 column card in your //e. I am not familiar with

Apple Access II, but I don't think it can use interrupts - at least
if its anything like Apple Access III.

Anyway, I hope this helps!
--
Shane P. McCarron
Minnesota Educational Computing Corporation - Technical Services

UUCP ihnp4!dicomed!meccts!ahby

****

From: tekred!mikec
Date: Tuesday, 22 Oct 85 16:30:07 PDT

On the Apple //e, the 80 column card supports interrupts, and does not lose
any characters at higher baud rates. I am currently using ASCII Pro on
a //e, emulating a Soroc 120, running at 4800 baud.

However, I have on order Softerm2, which will emulate a vt100 and other
(hopefully more capable) terminals.

..mac

****

From: tekred!mikec
To: tektronix!dadla!dcall
Date: Monday, 28 Oct 85 11:48:53 PST

Sorry for the delay in replying, just got my Softerm up and running today,
did not want to respond prematurely.

Got this from my local dealer, who had to order directly from Softronics.

Softronics
3639 New Getwell, Suite 10
Memphis, TN 38118
901/683-6850

Am emulating a VT100, can go up to 9600 baud. It really is as good as I
expected. Reads and writes CP/M, DOS, and Pascal files, too. Be sure to
get Softerm2, 128K Apple //e version. There is apparently a 64K version
that does not do as much.

..mac

****

From: decvax!seismo!cmcl2!lanl!unm-la!unmvax!nmtvax!kenyon
Date: Sat, 26 Oct 85 22:50:08 mdt
Message-Id: <8510270450.AA04654@nmtvax>
Organization: New Mexico Tech (You call that an Organization?)

My housemate's //e runs as a vt52 fine under ascii express. All you need to do is make sure that you tell AE that you are using a //e. If you let AE figure it out, the apples scrolling routines will be used. As far as I know versions <= 4.20 have this feature.

Rob Kenyon
...ucbvax!unmvax!nmtvax!kenyon

****** END OF SUMMARY ******

From 326707284175317438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11946d,70f6a93f8876eb7f
X-Google-Attributes: gid11946d,public
X-Google-Thread: 1622d3,70f6a93f8876eb7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-30 17:10:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple,net.dcom
Subject: Re: Data Protocol Question
Message-ID: <947@utcs.uucp>
Date: Wed, 30-Oct-85 20:10:24 EST
Article-I.D.: utcs.947
Posted: Wed Oct 30 20:10:24 1985
Date-Received: Wed, 30-Oct-85 21:26:56 EST
References: <557@ihlpm.UUCP>
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Distribution: net
Organization: University of Toronto
Lines: 19
Xref: utcs net.micro.apple:2253 net.dcom:1425
Summary:

In article <557@ihlpm.UUCP> terry2@ihlpm.UUCP (t. nelson) writes:
>I am now exploring the world of Bulletin Boards. Most seem to
>use various forms of data exchange protocol like XMODEM or
>XMODEM/CRC. Access II uses Christensen (sp?) protocol. I have
>been told that XMODEM and Christensen protocols are the same.
>Is this true? What's the difference between XMODEM, XMODEM/CRC
>and some other popular protocols?

XMODEM describes how each individual block is sent. Ward Christensen is XMODEM protocol with a particular description of block 0, and the fact that the other blocks are data blocks.
I will post a (technical) description of the protocol if requested.

CRC stands for Cyclic Redundancy Check. It is a complex form of checksum.
I would assume that XMODEM/CRC is just an XMODEM that outputs the CRC after

transmission.

Alan J Rosenthal
{ihnp4|allegra|linus|decvax}!utzoo!utcs!flaps, cbosgd!utcs!flaps

From 6510179366893354938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-30 21:34:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc3.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcc3!zz1cb
From: zz1cb@sdcc3.UUCP (zz1cb)
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive
Message-ID: <3065@sdcc3.UUCP>
Date: Thu, 31-Oct-85 00:34:17 EST
Article-I.D.: sdcc3.3065
Posted: Thu Oct 31 00:34:17 1985
Date-Received: Sun, 3-Nov-85 15:03:37 EST
References: <9800012@uiucuxa> <> <503@unmc.UUCP>
Reply-To: zz1cb@sdcc3.UUCP ({})
Organization: U.C. San Diego, Academic Computer Center
Lines: 12

I was an associate sysop on a BBS in Davis for the summer (Aves: (916) 758-2314)
and we used a Sider with good success. Seemed very reliable except for one
crash; another Sider user advised us to stick to smaller volumes (140K).
Apparently he had been using large sizes (400K) and encountered MANY
crashes.d As soon as he cut down the volume size the problems disappeared.
We haven't had any problems since then either.

Considering dealer cost for just a 10M hard drive is ~$200-250, the $595
price isn't outrageous. We got the Sider through mail order also, but I
don't know the company.

Hope this helps somewhat...

From 7180191504735290868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70f6a93f8876eb7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-31 15:01:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Data Protocol Question

Message-ID: <9800016@uiucuxa>
Date: Thu, 31-Oct-85 18:01:00 EST
Article-I.D.: uiucuxa.9800016
Posted: Thu Oct 31 18:01:00 1985
Date-Received: Sat, 2-Nov-85 07:53:34 EST
References: <557@ihlpm.UUCP>
Lines: 13
Nf-ID: #R:ihlpm.UUCP:-55700:uiucuxa:9800016:000:313
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Oct 31 17:01:00 1985

Ok, here it is: Ward Christensen wrote the XMODEM protocol with CRC
checking...(Cyclic redundancy check), so that I beleive that all of
the protocols you just mentioned are the same.

Christiansen=XMODEM=XMODEM/CRC

How's that?

   <<<<Whop!>>>>
   Benjy Mouse
   University of Illinois at Urbana-Champaign

From -4102760167256677943
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159752,271ded2b1fd6e475,start
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,271ded2b1fd6e475,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-01 08:39:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site daimi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!panda!talcott!
harvard!seismo!mcvax!diku!daimi!jnp
From: jnp@daimi.UUCP (J|rgen N|rgaard)
Newsgroups: net.sources,net.micro.apple
Subject: ?? free or shareware editor & terminal emulator for Apple IIe ??
Message-ID: <231@daimi.UUCP>
Date: Fri, 1-Nov-85 11:39:59 EST
Article-I.D.: daimi.231
Posted: Fri Nov 1 11:39:59 1985
Date-Received: Mon, 4-Nov-85 01:45:30 EST
Reply-To: jnp@daimi.UUCP (J|rgen N|rgaard)
Organization: DAIMI: Dept. of Comp. Sc., Univ. of Aarhus, Denmark
Lines: 20
Xref: watmath net.sources:3798 net.micro.apple:2282

I am posting for a friend who does not have acces to the net.

>Are there free or ShareWare editors for Apple IIe around (nice
>formatting and so on) ??

>By the way does anybody know if there are a "kermit" or other
>terminal-emulators including at least some support for file-
>transfer??
>
As we can not download directly from the net to the IIe, please
tell wether you are willing to make a copy on a 5 1/4" disk
if necessary.
Please answer by e-mail.

Thanks in advance
J|rgen N|rgaard
e-mail: ....{seismo!}mcvax!diku!daimi!jnp

From -976139152011100432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6402d4a00088cba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-01 12:22:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site topaz.RUTGERS.EDU
Path: utzoo!linus!philabs!cmcl2!seismo!caip!topaz!friedman
From: friedman@topaz.RUTGERS.EDU (-Gadi)
Newsgroups: net.micro.apple
Subject: Mountain Hardware clock
Message-ID: <4143@topaz.RUTGERS.EDU>
Date: Fri, 1-Nov-85 15:22:10 EST
Article-I.D.: topaz.4143
Posted: Fri Nov 1 15:22:10 1985
Date-Received: Sun, 3-Nov-85 14:44:18 EST
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 18

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
*** OK ***

(This message was sent previously but seems to have gotten lost)

Does anyone out there have a ProDos driver for the mountain hardware
clock card? I heard that one was published in a magazine... Does anyone
know where?

-Gadi
Friedman@BLUE.RUTGERS.EDU
topaz!friedman

P.S. Does anyone know where the 'SAVE' command gets the date from?
I set the address that is supposed to contain the time ($bf90-$bf93)
and save a file, and no date gets set.

From 9077678776486978807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-01 12:41:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site psivax.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!psivax!tommie
From: tommie@psivax.UUCP (Tom Levin)
Newsgroups: net.micro.apple
Subject: Re: Interupts on a apple][+
Message-ID: <829@psivax.UUCP>
Date: Fri, 1-Nov-85 15:41:24 EST
Article-I.D.: psivax.829
Posted: Fri Nov 1 15:41:24 1985
Date-Received: Tue, 5-Nov-85 05:41:40 EST
References: <76@noscvax.UUCP>
Reply-To: tommie@psivax.UUCP (Tom Levin)
Organization: Pacesetter Systems Inc., Sylmar, CA
Lines: 26
Keywords: Apple II interrupts

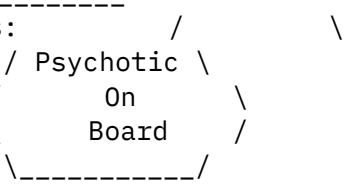
In article <76@noscvax.UUCP> medin@nosc (Ted Medin) writes:
>card and have come to the conclusion that the areg is not preserved
>for the interupt code. Specifically when I get an interupt the areg is
>always an 8 or 18 hex. This makes it very difficult to return to the
>interupted code with the regs restored.
> Can someone out there confirm this architecture failure on the][+ ??????

First off, the word interrupt has 2 r's. Now then, although I don't exactly
understand your problem as stated, I will give you my knowledge on
6502 interrupts. NO REGISTERS ARE SAVED FOR YOU!!! Yes, you must
save all of the registers yourself and restore them after the "rti"
(return from interrupt) command. I don't consider this an architecture
failure.

later...
--

Tom Levin {ttidca|sdcrdcf|logico|scgvaxd|bellcore}!psivax!tommie

You've seen those car stickers that say "Baby on Board"???



From -67153308696977480
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-01 14:43:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!think!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive **spoiler** :-)
Message-ID: <280@mit-eddie.UUCP>
Date: Fri, 1-Nov-85 17:43:33 EST
Article-I.D.: mit-eddi.280
Posted: Fri Nov 1 17:43:33 1985
Date-Received: Sun, 3-Nov-85 15:34:10 EST
References: <9800012@uiucuxa> <> <503@unmc.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Organization: MIT, Cambridge, MA
Lines: 25

I might as well put in my two cents worth about the Sider. I bought one in July 1985 -- I've had it for about 5 months now, and have yet to see a single flaw. I have had no errors in either DOS or CP/M. The drive is relatively fast, and I see no problems with it. I would like to hear from some of the people who claim that the drive "is a piece of junk", how about some evidence? I will certainly admit that it is not THE BEST -- but think about it: Is it possible to have "THE BEST"? Certainly not when technology keeps progressing; the best keeps getting cut down by something better. To whoever it was who posted the message stating that the "Unidisk" has "better" (forgive me if this is not the correct wording): In a few months, a couple years at most, your Unidisk will be as worthless as you seem to think the Sider is. I.e., be on the lookout for CD-ROMS. We're talking gigabytes on a 12-inch disk.

I'm using an ancient II+ under DOS and CP/M. It does what I need; so what if I don't have the best hard drive? I'm content with the Sider. No problems, I'm not complaining. Not the best, but good enough for me, especially for $695 (now $595 for a limited time I believe).

This is not a flame. Sort of. Someone wanted input from Sider owners; that's that I am providing.

-drew

From -8705120436947624250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0cad8b9f5fe6263
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-01 15:39:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site meccts.UUCP

Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!umn-cs!meccts!ahby
From: ahby@meccts.UUCP (Shane P. McCarron)
Newsgroups: net.micro.apple
Subject: Re: Need Help With Apple IIE
Message-ID: <253@meccts.UUCP>
Date: Fri, 1-Nov-85 18:39:32 EST
Article-I.D.: meccts.253
Posted: Fri Nov 1 18:39:32 1985
Date-Received: Sun, 10-Nov-85 09:38:05 EST
References: <170@srs.UUCP> <9800015@uiucuxa>
Reply-To: ahby@meccts.UUCP (Shane P. McCarron)
Organization: MECC Technical Services, St.Paul, MN
Lines: 34

In article <9800015@uiucuxa> spk256@uiucuxa.CSO.UIUC.EDU writes:
>
>To trap out Ctrl-c's, all you have to do is use an
>ONERR GOTO command somewhere in the beginning
>of your command...the control c will be interpretted
>as an "error" and will send the program to whatever
>line number you told it to GOTO.
>

Unfortunately, this is a little misleading. Applesoft BASIC will
leave a bunch of awful stuff on the stack when it jumps off to the
error handler. This will cause terrible problems if you try to use
the RESUME statement that apple has build in. In one of the early
Applesoft BASIC manuals, there is a small assembly language program
that you can call to clean up the stack. This may solve the problem,
although I have never trusted it. There are also some locations in
zero page that hold the location of the command that was being
executed when the error occurred, as well as the stack pointer and
some other information. These might be useful... Again, I don't think
it would be infallible. The best scheme is to initialize your stack
and restart the program if there is an error. Something like:

```
10 ON ERR GOTO 10000
     ...
100 REM Main Program
     ...
10000 CALL 59415 : GOTO 100 : REM Call stkinit and restart the program.
```

I hope this is a help.
--
Shane P. McCarron
Minnesota Educational Computing Corporation - Technical Services

UUCP ihnp4!dicomed!meccts!ahby

From -9060794634062700169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,331676fd8e63009f,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-03 01:03:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!stolaf!umn-cs!
isucs1!notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: [n,t]roff etc support for a DMP?
Message-ID: <481@isucs1.UUCP>
Date: Sun, 3-Nov-85 04:03:24 EST
Article-I.D.: isucs1.481
Posted: Sun Nov 3 04:03:24 1985
Date-Received: Sun, 10-Nov-85 07:48:01 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 24
Nf-ID: #N:isucs1:9900010:000:984
Nf-From: isucs1!shaver   Nov 2 22:53:00 1985

[What bug?]

     Before I take the time to work on making a text pro-
cessing system of some sorts support my Apple DMP, I thought
I would shoot a query out to see if anyone had already com-
pleted a similar project.

     What I would like is ANY version of a (nroff || troff
|| TeX || ??) driver that has been written/changed to sup-
port an Apple DMP or Apple Imagewriter printer.   I know
about the nroff driver for the C-Itoh Prowriter printer, but
it's not 100% correct for a DMP. Has anyone modifyed the
'code.itoh' source under nroff to support a DMP/Imagewriter?
Does anyone have anything that supports a DMP?

     As always, thanks in advance. Please MAIL responses as
I will summarize and post back into this newsgroup if
interest warrants; if not I will mail a summary to anyone
requesting it.

/\ Dave Shaver -=*=- Located at Iowa State University -- Ames, IA
\/ UUCP: {okstate||umn-cs||csu-cs}!isucs1!shaver   CSNET: shaver@iowa-state

From 6388799799837626203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c3168463531adbb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-03 19:50:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256

From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Sider reply
Message-ID: <9800017@uiucuxa>
Date: Sun, 3-Nov-85 22:50:00 EST
Article-I.D.: uiucuxa.9800017
Posted: Sun Nov 3 22:50:00 1985
Date-Received: Thu, 7-Nov-85 03:48:07 EST
Lines: 15
Nf-ID: #N:uiucuxa:9800017:000:747
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Nov 3 21:50:00 1985

Hi everyone, Ok, since I'm the one who started it all, the Sider is
on a Christmas sale for $595 only until December 31. I called
First Class Peripherals and asked them about the problems they've
been having and they said that it was a problem in the old winchester
drive mechanism, and they are using new mechanisms now that eliminate
the noise problems (and probably the crash problems). Their return
policy is 50/50, you pay for the postage to send it back, they'll pay
to return it to you. With the one year warranty, its a pretty good deal.

I also found out about a new 20 Megabyte Sider for the Apple // series,
and it's on Xmas sale for $895, call First Class for more details.

Benjy Mouse
University of Illinois at Urbana-Champaign

From -3592646279030855873
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,4b991315297c523b
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-03 21:28:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!linus!decvax!bellcore!petrus!scherzo!allegra!ulysses!mhuxr!mhuxn!
mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!) (65816 <-> 6502 compatibility)
Message-ID: <617@sftig.UUCP>
Date: Mon, 4-Nov-85 00:28:09 EST
Article-I.D.: sftig.617
Posted: Mon Nov 4 00:28:09 1985
Date-Received: Tue, 5-Nov-85 21:49:16 EST
References: <151@uvicctr.UUCP> <7100003@prism.UUCP> <596@sftig.UUCP>
<2230@sdcc6.UUCP> <216@ius2.cs.cmu.edu.ARPA> <2255@sdcc6.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 41
Xref: linus net.micro.apple:1988 net.micro.68k:1222

> I was thinking of putting a 65816 on a board and
> running it at 4Mhz, or faster if possible and using the 6502 as an
> i/o processor. I would like to be able to let the 65816 handle the
> video display, because it's got such neat tricks built in, like move
> a block of memory, etc, but I can't think of a neat way to do this without
> slowing it down to 1Mhz. Perhaps a wait state while the 65816 was
> addressing low memory would do the trick (slowing it to only 2Mhz).
> The disk drives would have to be handled by the 6502 (it would be
> preferable, too!).
>
> ==========
> David L. Smith

How about putting a cache memory on the board too. (about 256K should
do the trick, I would think (:-), but seriously, at today's memory
prices, why not!?) There are boards available that do just that with
a 65C02 running at about 6MHz (They claim a 3 to 1 speedup, anyway)
But they use high-speed static ram (about 8K, I think I remember
reading) for the cache. And indeed, they do slow down when accessing
the video memory and the IO block between C000 and CFFF. Still, why
not put a *big* chunk of memory at addresses above (say) 2MB, that
can be accessed fast by the 65816 and only make it slow down to
access the low order 128K that it shares with the 6502. The logic of
putting it above 2Meg is to get it out of the way of things like
RAMWorks or Slinkey, if some way can be worked out to allow the 65816 to
access that sort of memory directly. (Probably not, probably have to poke
soft switches just like everybody else. But it's worth a try! I say.)
Does anybody know enough about the IIe MMU chip to say one way or
another?

I think it has possibilities!

Check the latest issue (or maybe the one before) of Call A.P.P.L.E
for an article about the speedup card. I'll bet the people who make
that card could be talked into bringing out a 65816 version with only
a little prodding. (Unfortunately, I forget the name of the people
who make the card, and I cant find the article right now. I'll post
that info though, when I can find the article.)

Rick Thomas
ihnp4!attunix!rbt

From -9133055885348694193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,971ab8e8a25b1594,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-04 07:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-msbvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-msbvax!clo
From: clo@ur-msbvax.UUCP

Newsgroups: net.micro.apple
Subject: Need XMODEM -- Apple II Pascal
Message-ID: <5100002@ur-msbvax.UUCP>
Date: Mon, 4-Nov-85 10:59:00 EST
Article-I.D.: ur-msbva.5100002
Posted: Mon Nov 4 10:59:00 1985
Date-Received: Fri, 8-Nov-85 04:03:00 EST
Organization: University of Rochester: Math, Stat, Bio-Stat
Lines: 12
Nf-ID: #N:ur-msbvax:5100002:000:386
Nf-From: ur-msbvax!clo   Nov 4 10:59:00 1985

We need to move ascii data files from an Apple II+ to a VMS VAX.
I'm told that XMODEM which runs under Apple II Pascal is what we
require. We have a Micromodem II. Does anyone know where I can
get XMODEM?

Charles Odoroff
Division of Biostatistics
University of Rochester
Box 630
Rochester, NY 14642
(716) 275-2404
{seismo,allegra}!rochester!ur-msbvax!clo

From 3652235218679492023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,971ab8e8a25b1594
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-04 08:02:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-msbvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-msbvax!clo
From: clo@ur-msbvax.UUCP
Newsgroups: net.micro.apple
Subject: Need XMODEM -- Apple II Pascal
Message-ID: <5100003@ur-msbvax.UUCP>
Date: Mon, 4-Nov-85 11:02:00 EST
Article-I.D.: ur-msbva.5100003
Posted: Mon Nov 4 11:02:00 1985
Date-Received: Fri, 8-Nov-85 04:03:12 EST
Organization: University of Rochester: Math, Stat, Bio-Stat
Lines: 12
Nf-ID: #N:ur-msbvax:5100003:000:386
Nf-From: ur-msbvax!clo   Nov 4 11:02:00 1985

We need to move ascii data files from an Apple II+ to a VMS VAX.
I'm told that XMODEM which runs under Apple II Pascal is what we
require. We have a Micromodem II. Does anyone know where I can
get XMODEM?

Charles Odoroff

Division of Biostatistics
University of Rochester
Box 630
Rochester, NY 14642
(716) 275-2404
{seismo,allegra}!rochester!ur-msbvax!clo

From 1911899962327758330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c5ee191c96c73d1e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-04 22:10:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: The "Sider" and alternatives
Message-ID: <600@aicchi.UUCP>
Date: Tue, 5-Nov-85 01:10:21 EST
Article-I.D.: aicchi.600
Posted: Tue Nov 5 01:10:21 1985
Date-Received: Thu, 7-Nov-85 03:49:51 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 10

After following this conversation on the Sider and 3.5 floppies, I began wondering what other alternatives there are to these. Is there anything else (for a reasonable price) that should be considered?

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 5047956506276510799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-05 00:36:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro.apple
Subject: Re: Interupts on a apple][+
Message-ID: <777@umd5.UUCP>
Date: Tue, 5-Nov-85 03:36:14 EST

Article-I.D.: umd5.777
Posted: Tue Nov 5 03:36:14 1985
Date-Received: Fri, 8-Nov-85 05:53:11 EST
References: <76@noscvax.UUCP> <829@psivax.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Organization: U of Md, CSC, College Park, Md
Lines: 34
Summary: There is software weirdness here too...

In article <829@psivax.UUCP> tommie@psivax.UUCP (Tom Levin) writes:
>In article <76@noscvax.UUCP> medin@nosc (Ted Medin) writes:

>>... card and have come to the conclusion that the areg is not preserved
>>for the interupt code. Specifically when I get an interupt the areg is
>>always an 8 or 18 hex. This makes it very difficult to return to the
>>interupted code with the regs restored.

>> Can someone out there confirm this architecture failure on the][+ ??????

>... I will give you my knowledge on
>6502 interrupts. NO REGISTERS ARE SAVED FOR YOU!!! Yes, you must
>save all of the registers yourself and restore them after the "rti"
>(return from interrupt) command.

The apple monitor saves the ACC in location $45 and then uses the ACC to
decide whether the interrupt was an IO interrupt (in which case it
wants to jump to the user vector) or a BRKPT interrupt (in which case it
wants to jump to the monitor break routine).

   ******* IT NEVER RESTORES THE ACCUMULATOR FROM THIS USAGE *******

That is where the 18 or 8 is coming from - its the top of the stack, left
shifted by three bits. The end of the interrupt code should look like:

```
        ...
        ...
        LDA $45
        RTI
```

or else the mainline code's accumulator gets trashed...

--
Ben Cranston ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben zben@umd2.ARPA

From 5732764429024800684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,35cc4b7f5bba5bdb,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,35cc4b7f5bba5bdb,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-11-05 06:31:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10 5/3/83 based; site houxs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!houxs!ksb
From: ksb@houxs.UUCP (K.BANDES)
Newsgroups: net.micro.apple,net.micro
Subject: Re: apple C compiler info wanted
Message-ID: <319@houxs.UUCP>
Date: Tue, 5-Nov-85 09:31:26 EST
Article-I.D.: houxs.319
Posted: Tue Nov 5 09:31:26 1985
Date-Received: Thu, 7-Nov-85 04:09:16 EST
References: <78@noscvax.UUCP>
Organization: AT&T Information Systems, Holmdel NJ
Lines: 24
Xref: watmath net.micro.apple:2291 net.micro:12601

Manx has an Aztec C for the Apple. I'm not sure if they have PRODOS
support, because I used it a couple of years ago, but they might.
I didn't actually use the native Apple II compiler - I used a cross that
ran on a PC. I was quite happy with it, as I've been with Manx in
general. C is hard to do on a 6502 (it has just a 256 byte stack), but
they've done a nearly complete K & R (missing only bit fields, which they
may have implemented by now). Their technical support people are always
helpful (though the line is always busy).

They're at:
     Manx Software Systems
     Box 55
     Shrewsbury, NJ 07701
     1-800/221-0440

Ken Bandes
@ AT&T IS
Holmdel, NJ
...ihnp4!houxs!ksb

DISCLAIMER:
Just a happy customer - I don't speak for AT&T or Manx, both of whom
disavow all knowledge of my existence.

From -1200851841060230897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-05 07:05:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtp47.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!akgua!mcnc!rti-sel!
rtp47!owen
From: owen@rtp47.UUCP (Karl M. Owen)
Newsgroups: net.micro.apple
Subject: Re: Interupts on a apple][+

Message-ID: <243@rtp47.UUCP>
Date: Tue, 5-Nov-85 10:05:12 EST
Article-I.D.: rtp47.243
Posted: Tue Nov 5 10:05:12 1985
Date-Received: Thu, 7-Nov-85 05:58:49 EST
Distribution: net
Organization: Data General, RTP, NC
Lines: 28

>> [...] have come to the conclusion that the areg is not preserved
>> for the interupt code. Specifically when I get an interupt the areg is
>> always an 8 or 18 hex. This makes it very difficult to return to the
>> interupted code with the regs restored.
>>
>>   [Ted Medin]
>
> NO REGISTERS ARE SAVED FOR YOU!!! Yes, you must
> save all of the registers yourself and restore them after the "rti"
> (return from interrupt) command.
>
>   [Tom Levin]

     Just a little bit more info (with the caveat that I'm working from memory): When you take an interrupt, the X and Y regs are preserved, and the A reg is stored at (I believe) $45. What I generally do is immediately grab the A reg from $45 and push it, followed by X and Y. As I recall, the pc and status word are already on the stack when your interrupt handler takes over. If you need more detailed info (like what order the hi & lo pc and status word are in), mail me or post and I'll look it up.

                            Hope it helps,
                            Karl
--

                  Karl M. Owen
                  Data General, RTP, NC
                  ...!seismo!mcnc!rti-sel!rtp47!owen

From 6855456024206983383
X-Google-Language: Unknown,Unknown
X-Google-Thread: 1622d3,93eca467fea1371c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-05 11:49:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: w
Message-ID: <9800018@uiucuxa>
Date: Tue, 5-Nov-85 14:49:00 EST

Article-I.D.: uiucuxa.9800018
Posted: Tue Nov 5 14:49:00 1985
Date-Received: Fri, 8-Nov-85 07:26:20 EST
Lines: 0
Nf-ID: #N:uiucuxa:9800018:000:1
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Nov 5 13:49:00 1985

From 7905971699097815315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70f6a93f8876eb7f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,70f6a93f8876eb7f
X-Google-Attributes: gid11946d,public
X-Google-ArrivalTime: 1985-11-05 12:11:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!brian
From: brian@sdcsvax.UUCP (Brian Kantor)
Newsgroups: net.micro.apple,net.dcom
Subject: Re: Data Protocol Question - xmodem/Christensen
Message-ID: <1181@sdcsvax.UUCP>
Date: Tue, 5-Nov-85 15:11:05 EST
Article-I.D.: sdcsvax.1181
Posted: Tue Nov 5 15:11:05 1985
Date-Received: Fri, 8-Nov-85 08:01:29 EST
References: <557@ihlpm.UUCP> <947@utcs.uucp>
Reply-To: brian@sdcsvax.UUCP (Brian Kantor)
Distribution: net
Organization: UCSD wombat breeding society
Lines: 65
Xref: watmath net.micro.apple:2296 net.dcom:1436
Summary:

In article <947@utcs.uucp> flaps@utcs.UUCP (Alan J Rosenthal) writes:
>In article <557@ihlpm.UUCP> terry2@ihlpm.UUCP (t. nelson) writes:
>>I am now exploring the world of Bulletin Boards. Most seem to
>>use various forms of data exchange protocol like XMODEM or
>>XMODEM/CRC. Access II uses Christensen (sp?) protocol. I have
>>been told that XMODEM and Christensen protocols are the same.
>>Is this true? What's the difference between XMODEM, XMODEM/CRC
>>and some other popular protocols?
>
>XMODEM describes how each individual block is sent. Ward Christensen
>is XMODEM protocol with a particular description of block 0, and the
>fact that the other blocks are data blocks.
>I will post a (technical) description of the protocol if requested.
>
>CRC stands for Cyclic Redundancy Check. It is a complex form of checksum.
>I would assume that XMODEM/CRC is just an XMODEM that outputs the CRC after
>transmission.

Gad, if people don't know what they are talking about, they should
remain silent.

The Christensen Protocol is named after Ward Christensen, who developed
it in the late 70's as a file transfer protocol for cp/m microcomputer
systems. It consists of blocks of data prefixed with a simple header,
and suffixed with a check sum.

In its original form, each packet consisted of the ascii SOH (01 hex),
followed by an 8-bit block count and its complement, 128 bytes of 8-bit
data, and a single 8-bit checksum.

Note carefully that there are some clever things going on here: The sum
of the three header characters is always zero, so that it doesn't matter
if you include them in the simple checksum or not. Also note that the
data block is 128 bytes, which is the size of a cp/m logical disk sector.

Timeouts and ACK/NAK responses are also specified.

Later extensions to the protocol replaced the trailing checksum byte
with a two-byte (16 bit) CRC. Most programs implementing the
Christensen protocol accept either checksum or CRC at operator request,
and send whichever was requested by the receiving host.

``MODEM'' and ``XMODEM'' were the two programs developed to speak this
protocol originally. Modem was the manually operated program; xmodem
(named for, I'm told, eXternal Modem) was the remotely operated slave.

Lots of other programs use this protocol; literally dozens of them are
in current circulation. There are variations that use larger
blocksizes, automatically insert file names for batch transmission,
windowing, etc. All are outgrowths of Ward's original programs, at least
in the protocol they use. Adaptations have been made for non-cp/m
systems and for other uses than file transfer (I even made one that
spoke SMTP for mailing). I know of versions for just about every one of
the popular microcomputers, for unix, for vms, etc.

A complete specification of the protocol was recently circulating on the
net; check back a few weeks in your archives.

     Brian Kantor UCSD Office of Academic Computing
              Network Services Group (619) 452-6865
              UCSD B-028, La Jolla, CA 92093

     decvax\ brian@ucsd.arpa
     akgua >--- sdcsvax --- brian
     ucbvax/   Kantor@Nosc

From -7316342796293692969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c5ee191c96c73d1e

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-05 19:55:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: The "Sider" and alternatives
Message-ID: <618@sftig.UUCP>
Date: Tue, 5-Nov-85 22:55:38 EST
Article-I.D.: sftig.618
Posted: Tue Nov 5 22:55:38 1985
Date-Received: Thu, 7-Nov-85 05:15:32 EST
References: <600@aicchi.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 45

>
>   After following this conversation on the Sider and 3.5 floppies, I
> began wondering what other alternatives there are to these. Is there
> anything else (for a reasonable price) that should be considered?
> Joe Loda

Disclaimer -- I do not own one of these things (That I am about to describe). All I have is sales literature and a conversation with a (semi) technical sales rep on the phone. Nevertheless, it looks interesting. I have no other connection with Space Coast Systems, Inc.

Having gotten that out of the way, you might want to take a look at the 'Challenger' from Space Coast Systems, Inc. of 301 S. Washington Ave., P.O.Drawer 2767, Titusville, Fla. 32781-2767 (Phone (305)-268-0872)

It is an 'internal' hard drive for the IIe(??!!?) It is a 3.5inch 10Meg hard-drive that comes integrated (inside the same box) with a beefed-up powersupply that replaces the powersupply that is already in the IIe console. (They claim that this makes the IIe 'truely portable' - just leave your floppy drives behind. I don't know how 'portable' my IIe would be under those circumstances. It's still *heavy*!) The powersupply/disk combo has a pigtail with a card attached that plugs into slot 7 (or any other slot [except 3], as long as you don't insist on being able to boot from it.)

The sales person said that it retails for about 1200 dollars. There is also a 20Meg version that retails for about 1600. They claim to have (Real Soon Now?? I don't remember whether they said it was available at present or not.) a streaming tape drive that daisy chains off the disk (doesn't take up another slot) and retails for 2000.

They claim to have software drivers for DOS3.3 ProDOS, UCSD Pascal, and CP/M. The salesperson said that currently, there is a driver for the Microsoft CP/M card, and one "in the works" for the ALS CP/M card, but none

for the PCPI Applicard.

Those prices are quite a bit higher than the Sider. For what that's
worth.

I am negotiating with them to get a demo for the Amateur Computer Club
of New Jersey. I'll report back after I have seen the demo.

Rick Thomas
ihnp4!attunix!rbt

From -4083617954815057163
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,4b991315297c523b
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-05 19:57:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!sdcc3!sdcc6!ix469
From: ix469@sdcc6.UUCP (David L. Smith)
Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!) (65816 <-> 6502 compatibility)
Message-ID: <2276@sdcc6.UUCP>
Date: Tue, 5-Nov-85 22:57:01 EST
Article-I.D.: sdcc6.2276
Posted: Tue Nov 5 22:57:01 1985
Date-Received: Fri, 8-Nov-85 08:04:23 EST
References: <151@uvicctr.UUCP> <7100003@prism.UUCP>
Reply-To: ix469@sdcc6.UUCP (David L. Smith)
Organization: U.C. San Diego, Academic Computer Center
Lines: 15
Xref: watmath net.micro.apple:2297 net.micro.68k:1286

Just in case anyone's interested...

Latest prices on 65816, single quantity, from Western Design Center:

         2Mhz - $95
         4Mhz - $104

==================
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

"...here was a being to be reckoned with, a being who had hitchhiked
across the galaxy and still knew where his towel was."

From -2954073897970637830
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-06 08:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site hpvcla.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tikal!
hplsla!hpvcla!davel
From: davel@hpvcla.UUCP (davel)
Newsgroups: net.micro.apple
Subject: Re: Interupts on a apple][+
Message-ID: <4400003@hpvcla.UUCP>
Date: Wed, 6-Nov-85 11:55:00 EST
Article-I.D.: hpvcla.4400003
Posted: Wed Nov 6 11:55:00 1985
Date-Received: Tue, 12-Nov-85 04:43:06 EST
References: <76@noscvax.UUCP>
Lines: 14
Nf-ID: #R:noscvax:-7600:hpvcla:4400003:000:554
Nf-From: hpvcla!davel   Nov 6 09:55:00 1985

In a II+ the monitor code that "catches" the interrupt uses the areg to
determine if the interrupt is hardware or a break insruction, as a result
the areg gets trashed. The good news is that before the above test is made
the areg is saved in location $45. The bad news is that the areg does not
get restored from $45 on an RTI, you have to restore areg with an LDA before
the RTI.

My disclaimer: I am reciting this info from memory, and it has been a while,
so some of the nitty-gritty details may be incorrect.

Dave Lowe
hp-pcd!hpvcla!davel

From 4432446253939187398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3c50ec759f80d55
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-06 09:59:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site uvicctr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP (Doug Collinge)
Newsgroups: net.micro.apple
Subject: Re: Interupts on a apple][+
Message-ID: <157@uvicctr.UUCP>
Date: Wed, 6-Nov-85 12:59:22 EST

Article-I.D.: uvicctr.157
Posted: Wed Nov 6 12:59:22 1985
Date-Received: Sun, 10-Nov-85 07:34:29 EST
References: <76@noscvax.UUCP> <829@psivax.UUCP>
Reply-To: collinge@uvicctr.UUCP (Doug Collinge)
Organization: University of Victoria, Victoria B.C. Canada
Lines: 46
Keywords: Apple II interrupts
Summary:

>In article <76@noscvax.UUCP> medin@nosc (Ted Medin) writes:
>>Specifically when I get an interupt the areg is
>>always an 8 or 18 hex. This makes it very difficult to return to the
>>interupted code with the regs restored.

In article <829@psivax.UUCP> tommie@psivax.UUCP (Tom Levin) writes:
>NO REGISTERS ARE SAVED FOR YOU!!! Yes, you must
>save all of the registers yourself and restore them after the "rti"
>(return from interrupt) command. I don't consider this an architecture
>failure.

One more time, and one more time only...

The Apple ROM kindly decodes break instructions from IRQ interrupts for you. In the process it has to wreck the Areg. Since it is going to store all registers in hardcoded locations anyway if it was a BRK it saves the Areg in location $45 before wrecking it. Therefore the minimum Apple interrupt handler is:

```
     IRQ  =    *
          LDA  $45
          RTI
```

If you want to save regs:

```
          LDA  $45
          PHA
          TYA
          PHA
          TXA
          PHA
     * Do what you will here.
          PLA
          TAX
          PLA
          TAY
          PLA
          RTI
```

Pushing the Areg on the stack is necessary if you want a reentrant interrupt handler.

--

Doug Collinge
School of Music, University of Victoria,
PO Box 1700, Victoria, B.C.,
Canada, V8W 2Y2

decvax!nrl-css!uvicctr!collinge
decvax!uw-beaver!uvicctr!collinge
ubc-vision!uvicctr!collinge

From -6879198872179670540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11946d,70f6a93f8876eb7f
X-Google-Attributes: gid11946d,public
X-Google-Thread: 1622d3,70f6a93f8876eb7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-06 11:31:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 5/13/85; site apollo.uucp
Path: utzoo!watmath!clyde!cbosgd!ihnp4!drutx!mtuxo!mtunh!vax135!cornell!uw-beaver!
apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple,net.dcom
Subject: Data Protocol Question
Message-ID: <29fa55fa.46b9@apollo.uucp>
Date: Wed, 6-Nov-85 14:31:54 EST
Article-I.D.: apollo.29fa55fa.46b9
Posted: Wed Nov 6 14:31:54 1985
Date-Received: Fri, 8-Nov-85 07:24:15 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 16
Xref: watmath net.micro.apple:2294 net.dcom:1435

>>I am now exploring the world of Bulletin Boards. Most seem to
>>use various forms of data exchange protocol like XMODEM or
>>XMODEM/CRC. Access II uses Christensen (sp?) protocol. I have
>>been told that XMODEM and Christensen protocols are the same.
>>Is this true? What's the difference between XMODEM, XMODEM/CRC
>>and some other popular protocols?

>XMODEM describes how each individual block is sent. Ward Christensen
>is XMODEM protocol with a particular description of block 0, and the
>fact that the other blocks are data blocks.
>I will post a (technical) description of the protocol if requested.

I for one would be very interested in a technical discription/discussion
of the transfer protocols. Since I have designed and built the hardware
as well as written the driver for my serial port, I would like to take this
the final step. Any help would be appreciated.

From -452807734527357128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c3168463531adbb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-06 22:08:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc13.UUCP

Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!ucdavis!ucbvax!decvax!ittatc!
dcdwest!sdcsvax!sdcc3!sdcc13!33500911
From: 33500911@sdcc13.UUCP (33500911)
Newsgroups: net.micro.apple
Subject: Re: Sider reply
Message-ID: <355@sdcc13.UUCP>
Date: Thu, 7-Nov-85 01:08:01 EST
Article-I.D.: sdcc13.355
Posted: Thu Nov 7 01:08:01 1985
Date-Received: Sat, 9-Nov-85 07:14:08 EST
References: <9800017@uiucuxa>
Reply-To: 33500911@sdcc13.UUCP (Jimmy the Kid)
Followup-To: net.micro.apple
Distribution: net
Organization: U.C. San Diego Beer & Pizza Society
Lines: 21
Keywords: sider
Summary: Don't run on old Apples.

     I talked to a guy named Dave in the tech-support department.
He told me my Apple was too old to accomodate a Sider drive.
Aparently, the][series (I own a revision zero board from 1977 with
upgraded Applesoft ROMS) generates too much RFI. That interferes
with the drive and connecting cable... (Probably interferes
with DMA transfers.) Then I called the parent company Xebec
and talked to a few people there. Still no hope.. They said
try back in January, as they were re-working the interface cards
to be less sensitive to noise.

I'm giving up... Does anybody have a fat-Mac they want to get rid of?

--
                        Jim Hayes
                        UCSD
                        sdcsvax!sdcc13!33500911

"Dave!?!   'panic: Nuclear war imminant.' message popped up on the
4.3 BSD VAX again... Is the 12 year-old logged in?"

From -7511816667369100450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3765ca9a72cb0a00,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-07 07:03:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: 80 column card problem

Message-ID: <4222@garfield.UUCP>
Date: Thu, 7-Nov-85 10:03:36 EST
Article-I.D.: garfield.4222
Posted: Thu Nov 7 10:03:36 1985
Date-Received: Thu, 7-Nov-85 10:53:00 EST
Sender: paulc@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 4

I have some problems with a new 80 column card with softswitch.
When the screen is up, it moves the screen periodically.
I have no problem with the old 80 Col card.
Thank you.

From 7543017054953981330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,527c4a24b42ee880,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-07 12:29:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 5/13/85; site apollo.uucp
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!ucdavis!ucbvax!decvax!wanginst!
apollo!jimv
From: jimv@apollo.uucp (James Vienneau)
Newsgroups: net.micro.apple
Subject: Apple clubs
Message-ID: <29ff9145.46b9@apollo.uucp>
Date: Thu, 7-Nov-85 15:29:51 EST
Article-I.D.: apollo.29ff9145.46b9
Posted: Thu Nov 7 15:29:51 1985
Date-Received: Sun, 10-Nov-85 03:58:08 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 8

If anybody has a list of active Apple clubs, especially on the east coast,
I would be very interested in receiving a copy. Also any active Apple
bulletin boards would be nice.

In case you happen to be in the market, I noticed DAK is carrying a Hayes
1200 smart modem clone for $169.00. It has all of the Hayes commands plus
quite a few neat ones of its own. I have no relationship to DAK or the
manufacturer (ADC) of the modem.

From 5552039877039217929
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c5ee191c96c73d1e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-07 13:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: The "Sider" and alternatives
Message-ID: <9800019@uiucuxa>
Date: Thu, 7-Nov-85 16:00:00 EST
Article-I.D.: uiucuxa.9800019
Posted: Thu Nov 7 16:00:00 1985
Date-Received: Sun, 10-Nov-85 07:25:20 EST
References: <600@aicchi.UUCP>
Lines: 12
Nf-ID: #R:aicchi.UUCP:600:uiucuxa:9800019:000:453
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Nov 7 15:00:00 1985

Well, in a recent issue of Incider, they review 5 other types of
high-capacity drive, including the Kodak Teammate ($895, 2.78 meg
of storage) to the Corvus drive (somewhere around $3000, 10 meg).

The Teammate uses removable media, so that is to its advantage.
However, all of the other drives cost vastly more than the Sider
hard drive, which is why there is so much discussion about it
right now.

I think it was in the August issue of Incider.

From -4346256808028791498
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3e4f87971e4f439,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-07 16:48:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cbsck.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbsck!ljh
From: ljh@cbsck.UUCP (Lou Haskell)
Newsgroups: net.micro.apple
Subject: 65802 for Apple II
Message-ID: <1492@cbsck.UUCP>
Date: Thu, 7-Nov-85 19:48:42 EST
Article-I.D.: cbsck.1492
Posted: Thu Nov 7 19:48:42 1985
Date-Received: Fri, 8-Nov-85 22:09:32 EST
Organization: AT&T Bell Laboratories <SCCS>, Columbus
Lines: 10

****Line eater????????**

I have just seen several ads for add-on boards for the Apple II
which add the 65816 chip. Looks good.
But..has anyone seen a note on a source for the 65802 which I think is

a "drop-in" for the 6502. I would like to try the "cheap" way first.
Can this chip be used in place of the 6502 in my IIe?
Has anyone seen a mail-order source that advertises this chip?

Lou Haskell -- ATT-BL
ihnp4!cbsck!ljh

From -7581244640230718431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70f6a93f8876eb7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-07 20:03:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bsdpkh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!akguc!
codas!bsdpkh!heffner
From: heffner@bsdpkh.UUCP (Paul K Heffner)
Newsgroups: net.micro.apple
Subject: Re: Data Protocol Question/80-col vid.
Message-ID: <130@bsdpkh.UUCP>
Date: Thu, 7-Nov-85 23:03:47 EST
Article-I.D.: bsdpkh.130
Posted: Thu Nov 7 23:03:47 1985
Date-Received: Sun, 10-Nov-85 07:22:19 EST
References: <557@ihlpm.UUCP> <9800016@uiucuxa>
Organization: AT&T-IS (SDSS), Orlando Fl.
Lines: 35

Benjy Mouse writes:
>
> Ok, here it is: Ward Christensen wrote the XMODEM protocol with CRC
> checking...(Cyclic redundancy check), so that I beleive that all of
> the protocols you just mentioned are the same.
>
> Christiansen=XMODEM=XMODEM/CRC
>
> How's that?

That's pretty close... Actually the baseline Christiansen protocol only checks for transmission errors with a raw checksum. (Add all the characters in the 128 byte buffer up in a 16-bit register tossing out any carries.. the result is your checksum). CRC checking was added sho

From 340655837741153655
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6402d4a00088cba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-08 13:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.10 $; site uiucuxa

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Mountain Hardware clock
Message-ID: <9800020@uiucuxa>
Date: Fri, 8-Nov-85 16:30:00 EST
Article-I.D.: uiucuxa.9800020
Posted: Fri Nov 8 16:30:00 1985
Date-Received: Sun, 10-Nov-85 08:40:54 EST
References: <4143@topaz.RUTGERS.EDU>
Lines: 11
Nf-ID: #R:topaz.RUTGERS.EDU:4143:uiucuxa:9800020:000:317
Nf-From: uiucuxa.CSO.UIUC.EDU!ldr292   Nov 8 15:30:00 1985

   The driver you are looking for was published in a back issue of Nibble magazine. I believe that it was sometime in early '85. I don't remember the exact issue but I hope that I narrowed it down for you.

   Good Luck and I hope it works.

                                    Leonard Rosenthol

.uiucuxa/ldr292

From 6442051941178840146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a04df1a0d0e7a211,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 06:12:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site akgua.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!lds
From: lds@akgua.UUCP (L.D. Sherwood [Larry])
Newsgroups: net.micro.apple
Subject: Apple//c
Message-ID: <1926@akgua.UUCP>
Date: Mon, 11-Nov-85 09:12:17 EST
Article-I.D.: akgua.1926
Posted: Mon Nov 11 09:12:17 1985
Date-Received: Tue, 12-Nov-85 04:22:12 EST
Organization: AT&T Technologies/Bell Labs, Atlanta
Lines: 17

For Sale: Apple IIc Computer, and peripherals:
(1) IIc monitor and stand NEW NEVER USED
(1) 2nd disk drive (Apple)
(1) Imagewriter Printer
(1) Mouse and Mouse Paint Software (Apple)
(1) Computer Desk and Hutch

(1) Printer stand (matches desk)
(2) boxes of blank disks
(1) box of printer paper
(2) disk holders
(1) florescent desk lamp

Asking $1900.00 negotiable, must sell complete

Call Brenda (Atlanta, Georgia) 8:00 - 4:30 Mon. - Fri.
404-447-2346 or coronet 583-2346
404-923-5214 after 5:00 pm and week-ends

From -5119027516138288222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7cffe1969316a2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 06:47:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtp47.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!rti-sel!rtp47!owen
From: owen@rtp47.UUCP (Karl M. Owen)
Newsgroups: net.micro.apple
Subject: Re: [n,t]roff etc support for a DMP?
Message-ID: <251@rtp47.UUCP>
Date: Mon, 11-Nov-85 09:47:33 EST
Article-I.D.: rtp47.251
Posted: Mon Nov 11 09:47:33 1985
Date-Received: Thu, 14-Nov-85 07:43:24 EST
Organization: Data General, RTP, NC
Lines: 24

>
> What I would like is ANY version of a (nroff || troff
> || TeX || ??) driver that has been written/changed to sup-
> port an Apple DMP or Apple Imagewriter printer. I know
> about the nroff driver for the C-Itoh Prowriter printer, but
> it's not 100% correct for a DMP. Has anyone modifyed the
> 'code.itoh' source under nroff to support a DMP/Imagewriter?
> Does anyone have anything that supports a DMP?
>
> [Dave Shaver]
>

I don't know about the nroff driver for the C-Itoh Prowriter - could somebody fill me in on what it is? Do I run nroff on my host and download to my apple?

Thanks,
Karl

--

Karl M. Owen
Data General, RTP, NC
...!seismo!mcnc!rti-sel!rtp47!owen

From -4339913357753060226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 142096,7e1e7960764fb84d,start
X-Google-Attributes: gid142096,public
X-Google-Thread: 1622d3,7e1e7960764fb84d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 07:44:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bbncc5.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!bbnccv!bbncc5!mfidelma
From: mfidelma@bbncc5.UUCP (Miles Fidelman)
Newsgroups: net.micro.amiga,net.micro.apple
Subject: videodisks
Message-ID: <1147@bbncc5.UUCP>
Date: Mon, 11-Nov-85 10:44:36 EST
Article-I.D.: bbncc5.1147
Posted: Mon Nov 11 10:44:36 1985
Date-Received: Wed, 13-Nov-85 04:19:44 EST
Distribution: net
Organization: Bolt Beranek and Newman, Cambridge, MA
Lines: 7
Xref: linus net.micro.amiga:4553 net.micro.apple:2014

does anybody know of a video-disk authoring and control package (and
associated hardware interfaces) for the amiga and/or apple IIe -
vendor addresses or phone numbers would be appreciated

thanks,

Miles Fidelman (mfidelman@bbn)

From 7448927130693614301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,85a49d68131e0090,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 11:59:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Apple 80-Column card and INVERSE
Message-ID: <211@ski.UUCP>
Date: Mon, 11-Nov-85 14:59:09 EST
Article-I.D.: ski.211
Posted: Mon Nov 11 14:59:09 1985

Date-Received: Wed, 13-Nov-85 07:19:40 EST
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 45

This is a follow-up posting on a problem I'm having with the Apple
80-Column card.

An odd quirk is that when the card is active, in 40 or 80 col modes,
the INVERSE acts peculiarly.

```
Try this:     10 FOR I= 0 TO 30
          20 NORMAL
          30 PRINT "NORMAL"
          40 INVERSE
          50 PRINT X
          60 NORMAL
          70 NEXT
```

If the screen is HOMEed first, the NORMAL prints in normal, followed
on the next line by a zero, in inverse mode. The rest of each line is
normal blank (black).
When the printing hits the bottom line, and scrolling begins, the
output changes: the word NORMAL is followed on the rest of it's line
by INVERSE BLANKS (white). The Inverse zero in the next line is
followed by normal blanks (black).

If you add commas to the end of the 2 PRINT statements, the inverse
zero is followed by inverse spaces, but hte normal "NORMAL" is follwed
by normal spaces, WHETHER HOMEed FIRST OR NOT!

I tried using CHR$ commands as in the 80-col manual, instead of the
INVERSE and NORMAL, but it was the same.

None of this happens if the card is turned off. I was able to get
around the problem when I found that using HTAB and VTAB prevented
this from happening, since no scrolling was involved.

If anyone understands why this unwanted INVERSE is happening, inspite
of issuing the NORMAL command, please post an answer, or mail me an
answeer. (My dealer is very reluctant to email this to Apple!)
--
==========
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From 4004171412989418372

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d37b927e952c1ca6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 18:42:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: XMODEM protocol description
Message-ID: <969@utcs.uucp>
Date: Mon, 11-Nov-85 21:42:42 EST
Article-I.D.: utcs.969
Posted: Mon Nov 11 21:42:42 1985
Date-Received: Mon, 11-Nov-85 22:52:49 EST
Reply-To: flaps@utcs.uucp (Alan J Rosenthal)
Organization: University of Toronto
Lines: 55

Posted in response to several requests.

I wrote this a couple of years ago from documentation, and edited it just now. Note that a dollar sign indicates a hexadecimal number; for example $35 means 35 hex or 41 decimal. Ward Christensen protocol is a special case of XMODEM protocol and is what is used by Ascii Express.

Ward Christensen Protocol Description
=====================================

For initial handshake, the receiver sends a $15, then sender sends $01, the first block number (00), 1s complement of first block number (FF), then the special filetype block. It waits for $06 or $15, which mean ok or transmit again respectively. The other blocks consist of $01, block number, 1s complement of block number, 128 bytes of data, then a single byte checksum, which is the sum mod 256 of all the data bytes. As the receiver receives, it computes its own checksum; upon completion of the block it compares. If they match, it transmits a $06 for acknowledge. Otherwise $15 for negative acknowledgement. Then the sender sends the next block. A timeout of 10 seconds counts as a negative acknowledgement. This occurs during disk saves. Therefore the receiving computer must check the block #'s and scan for repeats. It also verifies the form of the block header by adding the first three bytes which should sum to 0 mod 256. At the end the sender sends a $04 and the receiver sends back a $06. In addition there is an AE pro checksum called Cyclic Redundancy Check, which is only printed. At 300 baud a block takes about 4.5 seconds.

If you are not using Ascii Express, simply XMODEM protocol, then the description of block zero may not apply; this is part of Ward Christensen protocol but not of the general XMODEM specifications.

Also of interest are the following diagnostic messages produced by Ascii Express while transmitting or receiving files.

```
     S <n>               sending block n
     R <n>               receiving block n
     T <ERR#n-i>         Timeout error, block n, error #i
     NAK <ERR#n-i>       Block sent not acknowledged as ok
     CS <ERR#n-i>        Checksum error
     BS <ERR#n-i>        Bad start - improper data format
     WB <ERR#n-i>        Wrong block number received
     FT <ERR#n-i>        Invalid file type
     SYNC ERROR!         unrecoverable
```

Note that all errors other than SYNC ERROR are recovered from correctly by Ascii Express. Verifying the CRC at both ends gives a 99.9% guarantee of accurate transmission.

If any of the above is unclear then please send a request. If it is of general interest I will post to the net as well as responding personally.

Alan J Rosenthal
{ihnp4|allegra|linus|decvax}!utzoo!utcs!flaps, cbosgd!utcs!flaps
ARPA: @seismo.ARPA:flaps@utcs.uucp

From 1630351798845978863
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d37b927e952c1ca6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 19:08:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: Re: XMODEM protocol description - attempt to avoid flame
Message-ID: <970@utcs.uucp>
Date: Mon, 11-Nov-85 22:08:06 EST
Article-I.D.: utcs.970
Posted: Mon Nov 11 22:08:06 1985
Date-Received: Mon, 11-Nov-85 23:19:07 EST
References: <969@utcs.uucp>
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Organization: University of Toronto
Lines: 10
Summary:

I posted the preceding article before reading all of the recent controversy. However, I still believe that it is correct, and it does describe accurately how ascii express works.

(And by the way, I mind someone saying that I don't know what I'm talking about, in case you didn't guess before posting. I do know what I'm talking about. I was not referring to the history of the protocols, I was referring to their current state. Ward Christensen, in the current usage as far as I

have seen, is a special case of xmodem protocol where block 0 is a header block which indicates the filetype.)

From -8494060597342130628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8a324d43d232ae9b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-11 23:52:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.BERKELEY.EDU
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!ucbzooey!c160-3ay
From: c160-3ay@ucbzooey.BERKELEY.EDU (Ziggy Stardust and the Supremes)
Newsgroups: net.micro.apple
Subject: Re: vt52 emu... actually the DAK 1200 modem
Message-ID: <10955@ucbvax.BERKELEY.EDU>
Date: Tue, 12-Nov-85 02:52:57 EST
Article-I.D.: ucbvax.10955
Posted: Tue Nov 12 02:52:57 1985
Date-Received: Wed, 13-Nov-85 07:05:31 EST
References: <272@ucdavis.UUCP>
Sender: usenet@ucbvax.BERKELEY.EDU
Reply-To: c160-3ay@ucbzooey.UUCP (Ziggy Stardust and the Supremes)
Distribution: na
Organization: University of California, Berkeley
Lines: 44
Summary: 1200 Baud by ADC from DAK is $169

In article <272@ucdavis.UUCP> ccs007@ucdavis.UUCP (0058) writes:
>
>Also..DAL corporation (or something like that...warning...this is
>from memory) is offering a hayes-compatible 1200 baud modem
>for $159...can anyone verify or comment on this?
>
>Thanks,
>Gary Huckabay.
>!ucbvax!ucdavis!deneb!ccs007

I just happened to get one of their catalogs recently... DAK Inc., which sells electronic gadgets, has a Hayes Compatible 1200 baud modem for $169 + $6 P&H. From their description:

> ...ADC is a division of BSR, the enormous half-billion dollar electronics giant... [i.e. no fly-by-night operation]
>
> ...I just unplugged [my Hayes 1200] and plugged ADC's... the only differences I noted were improved monitor sound, more screen displays, and a help menu...
>
> ...ADC's modem recognizes a busy signal, hangs up, and keeps retrying the number every 30 seconds... [very useful... I think Hayes does not do this] ...waits for dial tones and network tones during auto-dial...

Of course I have not tried it. I cannot vouch for this modem, but it's a great price, and DAK _seems_ to be a reputable company. The autoredial is very nice (I use a prometheus- cost twice as much, !"#$# :-)). If anyone buys one, it would probably be nice to review it on the net.

     They also offer cable sets and communications programs, and serial cards for apple II series. ($30 for cable & program, $99 for serial card.)

DAK is at 1-800-325-0800. 8200 Remmet Ave., College Park, CA 91304.
I believe they have a 30-day satisfaction-guarantee.

Hope this helps those of you whoh have been limping along at 300 baud for lack of funds...

....Ranjit Bhatnagar

p.s. I have nothing to do with DAK or ADC, nor have I used any of their products. This message for informational purposes only. All rights reserved. Tresspassers will be prosecuted. Long live the revolution.

From 291735954579621382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70728baa678598de,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-12 06:37:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: IC TESTER AND 80 COL PROBLEM
Message-ID: <4314@garfield.UUCP>
Date: Tue, 12-Nov-85 09:37:46 EST
Article-I.D.: garfield.4314
Posted: Tue Nov 12 09:37:46 1985
Date-Received: Tue, 12-Nov-85 10:18:55 EST
Sender: moderate@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 10
Keywords: I.C. 80 COLUMN CARD HARDWARE

Except the screen moving problem, I meet another problem with
strange characters after booting for few minutes. Strange characters
appear randomly, like !, ', $...etc.
I don't know what happens, I exchange the Eprom with my friend's card,
nothing happens.
Would some experts tell me what happens?
Also, does anyone use a card called 'IC TESTER'?
Is it great to find out the fault of IC?
Thanks.
HONG

From 8294099224978937313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924da63438696cb3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-12 06:43:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: 1200 baud with softerm// and super serial
Message-ID: <4316@garfield.UUCP>
Date: Tue, 12-Nov-85 09:43:26 EST
Article-I.D.: garfield.4316
Posted: Tue Nov 12 09:43:26 1985
Date-Received: Tue, 12-Nov-85 10:21:04 EST
Sender: moderate@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 12
Keywords: 1200 modem softerm super serial

hi,
i just install my signalman mark xii modem with super serial card
using softerm ii program.
everything is fine, no first character missing with 80 column card
,but i can't read the response from my modem. eg, i type attd xxxxxx
to ask the smart modem to autodial, i'm suppose to see 'attd xxxxxx'
on screen and 'connect' when the carrier is detected.
it works fine when i'm using my apple communication card with 300
baud.
would anybody in networld tell me what happens?
thank you.
hong

From -6309804447592015811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,108cf43a658f227d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-11-12 06:44:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 GARFIELD 20/11/84; site garfield.UUCP
Path: utzoo!utcsri!garfield!hong
From: hong@garfield.UUCP
Newsgroups: net.micro.apple
Subject: Apple Kermit wanted!
Message-ID: <4317@garfield.UUCP>
Date: Tue, 12-Nov-85 09:44:37 EST
Article-I.D.: garfield.4317
Posted: Tue Nov 12 09:44:37 1985

Date-Received: Tue, 12-Nov-85 10:21:34 EST
Sender: moderate@garfield.UUCP
Reply-To: hong@garfield.UUCP (Hong Cheng)
Organization: Memorial U. of Nfld. C.S. Dept., St. John's
Lines: 11
Keywords: kermit apple

Also, I'm glad if some of the people here, can offer me a copy of Kermit for Apple //+ with a super serial card.
I know there is a copy in Compuserve, but I can't download using B protocol when using Datapac to access. It's probably caused by Datapac network.
So, I'm wondering if anyone can share this copy of public domain transfer program with me.
Also, I'm a member of Canada LOGIC club for Apple, however; it seems that they don't have Kermit in the P.D. disks library.
Thanks.

From 8067389015133748680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4793115d53d0bba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 09:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Wordprocessor under Pascal?
Message-ID: <9800010@uiucuxa>
Date: Thu, 19-Sep-85 12:45:00 EDT
Article-I.D.: uiucuxa.9800010
Posted: Thu Sep 19 12:45:00 1985
Date-Received: Sat, 21-Sep-85 03:41:56 EDT
References: <2785@harpo.UUCP>
Lines: 16
Nf-ID: #R:harpo.UUCP:-278500:uiucuxa:9800010:000:572
Nf-From: uiucuxa.Uiuc.ARPA!ldr292   Sep 19 11:45:00 1985

There are two word processors that might meet your current needs. The first is MEGAWRITER by MegaCorp. It works not only in Pascal but all of its commands are exactly those of Apple Pascal.

The other is a little harder to get your hands on. It is type in yourself that was published in an series of issues from Nibble! magazine, about two years ago. I have most of the program but am missing one entry. Check around on the net.

Leonard Rosenthol

uiucuxa.ldr292

...On a clear disk you can seek forever ....

From -5485780752351694610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31046b4d2c4b2b5a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 13:21:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site uthub.UUCP
Path: utzoo!utcsri!utai!uthub!goldste
From: goldste@uthub.UUCP (Jack Goldstein)
Newsgroups: net.micro.apple
Subject: Re: AE & VI
Message-ID: <226@uthub.UUCP>
Date: Thu, 19-Sep-85 16:21:41 EDT
Article-I.D.: uthub.226
Posted: Thu Sep 19 16:21:41 1985
Date-Received: Fri, 20-Sep-85 08:43:46 EDT
References: <749@charm.UUCP>
Organization: CSRG, University of Toronto
Lines: 21

I don't know why your program is not working but if it is because the
characters are coming in too fast, then it is not too hard to fix.

    First of all, if you can make your communication card generate
interrupts (see AE manual) then you can operate at almost any baud
rate. I used a Super Serial Card with AE at 9600 baud and only lost
one character in about a thousand.

    If your card can't generate interrupts, change the termcap entry on
UNIX to increase the clear-screen delay time to an appropriate value
(you can experiment with this). If you don't have your own termcap,
you'll have to copy the relevant section of the system termcap file
(possible in /etc) into your own directory and

    'setenv TERMCAP yourtermcapfilename'

See 'man 5 termcap' for a description of the termcap file.

                    Jack Goldstein
                    utcsri!uthub!goldste

From 5468516617629137897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,45ee050095edab0d,start

X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,45ee050095edab0d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 13:34:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tut.UUCP
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!seismo!hao!nbires!boulder!tut!
beguelin
From: beguelin@tut.UUCP (Adam Beguelin)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Macintosh Pascal and Applenet print screen
Message-ID: <139@tut.UUCP>
Date: Thu, 19-Sep-85 16:34:59 EDT
Article-I.D.: tut.139
Posted: Thu Sep 19 16:34:59 1985
Date-Received: Wed, 25-Sep-85 08:12:18 EDT
Distribution: net
Organization: University of Colorado, Boulder
Lines: 14
Xref: linus net.micro.mac:2666 net.micro.apple:1859

I am involved in teaching an introductory course using Macintosh
Pascal. We would like to have the students hand in a print of
a sample run of their assignments. As far as I can tell there
is no way to tell the Mac to print all that goes on in the text
window. Any suggestions would be appreciated.

Also, the print active window and print screen commands don't
seem to work with the laserwriter on the applenet. Is this a
bug or just a feature?

Adam Beguelin

beguelin@boulder

From 1006405200916559250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cb38226d1292333b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-20 21:41:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!think!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: PROBLEM WITH SERIAL & DIABLO
Message-ID: <5351@mit-eddie.UUCP>
Date: Sat, 21-Sep-85 00:41:13 EDT
Article-I.D.: mit-eddi.5351
Posted: Sat Sep 21 00:41:13 1985
Date-Received: Wed, 25-Sep-85 05:49:22 EDT

References: <2216@sunybcs.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 14

I am using an Apple Serial Interface card (not superserial) in Slot #1 with a Diablo 630 printer. When using WordStar under CP/M, if I try to print out a file, the system freezes up and I have to type any one key to get it to start printing. The letter "p" appears on the printer. Same thing happens after the file is printed -- freezes, hit a key to bring it back to life, and another "p" is printed on the Diablo. My temporary solution is to add a blank page to the beginning and the end of my documents, thus wasting two pages but improving the quality of the final printout (i.e., no P's).

Anyone have an explanation for this? Better yet, a solution? Please mail me directly.

-drew

From 1425637550187441599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d3930a245b26b65
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-21 10:23:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eeg.UUCP
Path: utzoo!linus!decvax!decwrl!Glacier!well!ptsfa!eeg!bcx
From: bcx@eeg.UUCP (Bryan Costales)
Newsgroups: net.micro.apple
Subject: Re: Hackers delight - AppleII question
Message-ID: <120@eeg.UUCP>
Date: Sat, 21-Sep-85 13:23:25 EDT
Article-I.D.: eeg.120
Posted: Sat Sep 21 13:23:25 1985
Date-Received: Wed, 25-Sep-85 07:31:05 EDT
References: <976@bunker.UUCP> <871@utcs.uucp>
Organization: EEG Systems Laboratory, San Francisco
Lines: 20

> . And from an assembly language program you should output the sequence
> PR#3^M to $FDED.
>
> Alan J Rosenthal

No, no. From the assembly language level, you should:

```
    jsr $C300 ; Turn on 80 col card in slot 3
    jsr $3EA  ; Reconnect DOS 3.3
```

Using DOS commands from assembly language programs by printing those

commands thru $FDED is very tricky. You must trick the DOS
interpreter into thinking that your assembly language program is
a running BASIC program. See "Beneath DOS", Lisa 1.5 source, The
Randy Hyde Book, etc.
--

     Bryan Costales, EEG Systems Laboratory
     1855 Folsom St, San Francisco, Ca 94103 (415) 621-8343
     {ihnp4,dual,qantel}!ptsfa!eeg!bcx

From -8981137682037780060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d38c7853a4b563b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-22 10:25:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site grkermi.UUCP
Path: utzoo!linus!philabs!cmcl2!harvard!talcott!panda!genrad!grkermi!andrew
From: andrew@grkermi.UUCP (Andrew W. Rogers)
Newsgroups: net.micro.apple
Subject: Applesoft/UCSD Pascal for IIc?
Message-ID: <620@grkermi.UUCP>
Date: Sun, 22-Sep-85 13:25:29 EDT
Article-I.D.: grkermi.620
Posted: Sun Sep 22 13:25:29 1985
Date-Received: Wed, 25-Sep-85 09:56:45 EDT
Reply-To: andrew@grkermi.UUCP (Andrew W. Rogers)
Distribution: net
Organization: GenRad, Inc., Concord, Mass.
Lines: 13

Some friends of mine have asked for my assistance in porting several
Applesoft 1.0 (UCSD) Pascal programs from the IIe to the IIc.

I understand that the firmware differs between the two machines; in
fact, the IIe Pascal disc won't even boot up in the IIc!

Does anyone know of a UCSD-like Pascal which a) runs on the IIc, and
b) can read data disks/files created by Applesoft? The local Apple
dealer, as usual, has no interest in assisting me and doesn't really
seem to even understand what I'm talking about...

Andrew W. Rogers

From 622392415157277069
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b502d553a624c8e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-23 12:12:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response (actually re TASC)
Message-ID: <876@utcs.uucp>
Date: Mon, 23-Sep-85 15:12:46 EDT
Article-I.D.: utcs.876
Posted: Mon Sep 23 15:12:46 1985
Date-Received: Tue, 24-Sep-85 02:49:27 EDT
References: <188@ski.UUCP> <9800008@uiucuxa>
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Organization: University of Toronto - General Purpose UNIX
Lines: 16
Summary:

In article <9800008@uiucuxa> ldr292@uiucuxa.Uiuc.ARPA writes:
>   This file is a binary file and can only be BRUN after another file
>RUNTIME has been BLOADed into memory. This is a real pain!!!

Actually, all you have to do is prepend your program with a
PRINT CHR$(4);"BLOAD <whatever>" before compiling. It IS annoying,
though, because:
     1) you have to compile a (slightly) different version of your
          program than the one you tested
     2) you have to copy the <whatever> file to any disk you want to
          run your compiled program off of.
Actually, I think I am going to take a crack at designing a Nice operating
system for apple over the next few weeks/months. You know, every time you
want to run a new program just about, you reboot the system, which is silly,
and every program has its own data format, which is silly (& incompatible),
etc.

From 6908212602647108945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,863e2b2518bdac40,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,863e2b2518bdac40,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-09-23 20:44:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site telesoft.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
hplabs!sdcrdcf!sdcsvax!telesoft!garym
From: garym@telesoft.UUCP (Gary Morris @shine)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Steve Jobs starting new computer company?
Message-ID: <202@telesoft.UUCP>
Date: Mon, 23-Sep-85 23:44:51 EDT
Article-I.D.: telesoft.202
Posted: Mon Sep 23 23:44:51 1985
Date-Received: Sat, 28-Sep-85 07:18:37 EDT

Organization: TeleSoft, SanDiego CA
Lines: 141
Xref: watmath net.micro.mac:2745 net.micro.apple:2173

Computer Age Bulletin Board Information Exchange
Category: 1   General Macintosh news
Message #: 160
Submitted: 9/18/85 6:30
Submitted by: RICH PIZZO
Subject: Steven Jobs, Wall Street Journal;

Wall Street Journal 9/17/85

Cupertino, CA-- Apple Computer Inc. chairman and co-founder Steven P. Jobs is preparing to start another computer company and has hired away five Apple employees.

The move could prompt Apple to seek the resignation of Mr. Jobs, who was forced out of day-to-day responsibilities at Apple in a major reorginization four months ago.

Mr. Jobs jolted Apple Officials late last week when he anounced plans to create a company to make computers for universities, one of Apples fastest-growing markets. Though there has been widespread speculation that Mr. Jobs might embark on a new venture, his disclosure that he hired five Apple employees --including some of the computer makers brightest young engineers and marketers-- created some turmoil and resentment among top management.

"The executive staff has been stunned and shocked that this has happened" said William V. Campbell, an Apple executive vice president.

"I'm quite surprised that all this was being done while he was chairman, and, furthermore, it would concern me if he gets into business that's competitive with Apple," said Delbert W. Yocam, the Apple executive vice president who, with Mr. Campbell, oversees the companys two corporate divisions.

Apple said it probably will convene a special board meeting to discuss Mr. Jobs's plans. None of the board's seven members, including Mr. Jobs and Apple President John Sculley, was available for comment, and it isn't clear whether the board will ask Mr. Jobs to resign. But Apple executives are said to be discussing whether the board should determine if Mr. Jobs violated his fiduciary responsibilities by hiring away company employees.

According to a senior Apple executive, Mr. Jobs told the board at its meeting Thursday that he intended to start the new company. Mr. Jobs assured the board that the new concern wouldn't compete with Apple, and the board reacted favorably to the plan, the executive said.

According to the executive, who spoke on the condition that he wouldn't be identified, board members even said Apple would invest in the start-up and resolved to determine possible links between Apple and the new company later this week.

Hiring Away Five Employees

But the next morning, before a 7:30 staff meeting, Mr. Jobs presented Mr. Sculley with a letter that said he had recruited five Apple employees to join the new concern, the official said. That information, according to Apple insiders, sparked the firestorm that now surrounds Mr. Jobs plans.

"The board was upset to find out that this wasn't an idea-it was an accomplished fact," an official said.

As reported, Mr. Jobs this summer said he would sell about a fifth of his stake in Apple for roughly $20 million. With about 5.5 million shares of Apple left in his portfolio, he remains the company's largest inside shareholder, with about 9% of the 61.8 million shares outstanding.

In national over-the-counter trading yesterday, Apple closed at $15.25 a share, down 50 cents.

Mr. Jobs apparently plans for the new company to build a computer workstation for universities that would be more powerful than current personal computers. Beyond that broad goal, however, the direction the start-up will take is still hazy.

Plans for New Company

"We don't have a name, we don't have a bank account," said Rich Page, a senior Apple engineer who is leaving to work with Mr. Jobs. Mr. page said the new company's specific plans have been on hold until the five Apple employees involved in the venture resign. He said the five met with Mr. Jobs at his home Thursday night and offered their resignations from Apple the following morning.
The market for a powerful computer for universities could be a fertile one. Many university officials seeking to install computer networks complain that there is a big gap between today's personal computers and the next most powerful machines available: high-level scientific computers.

Apple has been seeking to narrow that gap by developing more powerful versions of its Macintosh personal computer. Even if Mr. Jobs's start-up doesn't compete directly with the Macintosh, the new company and Apple could wind up fighting for the same university dollars earmarked for high-level computer products.
Douglas Van Houweling, vice provost for information technology at

the University of Michigan, said he estimates that the market for high-powered university computers is between one million and two million units a year. He said such computers, if they were priced around $6,000, could be used widely for writing, research and communication in fields ranging from science to music.

The quintet joining Mr. Jobs includes some of Apple's most talented engineers and managers. Mr. Page is an Apple Fellow, a prestigious title that lets him engage in a wide range of advanced research projects. He said he has built four computers at Apple in the past several years, including some high-powered models in the category Mr. Jobs's new firm appears to be targeting.

Another influential employee in the group is Dan'l Lewin, currently Apple's manager of education marketing and one of Apple's cheif contacts with universities. The other three are Bud Tribble, Apple's manager of software engineering; George Crow, a manager of hardware engineering; and Susan Barnes, controller for U.S. sales and marketing.

Mr. Tribble was one of the original architects of the computer-program that controls Apple's Macintosh, and Mr. Crow helped design some of the Macintosh's key electrical features, such as its power supply.

The furor over Mr. Jobs's plans comes just as Apple is settling from the turbulence of its reorganization in May. As reported, two weeks after that realignment Apple fired 1,200 employees, or 21% of its work force.

"We've had a good quarter-the organization has come together after the reorganization,: Mr. Campbell said. "This incident seems to highlight turmoil at Apple, and nothing could be further from the truth."
--
GARY A. MORRIS -- TeleSoft, San Diego, CA (619) 457-2700
           (UUCP) ...{decvax,ucbvax}!sdcsvax!telesoft!garym
"Always listen to experts. They'll tell you what can't be done
 and why. Then do it."   -- Lazarus Long

From 4265793691132780451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff26f3b719a94c1d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-23 22:22:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
hplabs!sdcrdcf!sdcsvax!sdcc3!sdcc6!ix21
From: ix21@sdcc6.UUCP (David Whiteman)
Newsgroups: net.micro.apple
Subject: The new Apple Hard Disc

Message-ID: <2211@sdcc6.UUCP>
Date: Tue, 24-Sep-85 01:22:58 EDT
Article-I.D.: sdcc6.2211
Posted: Tue Sep 24 01:22:58 1985
Date-Received: Sat, 28-Sep-85 05:24:35 EDT
Organization: None
Lines: 104

Well tonight I finally saw it, the 20 meg Apple hard disk, as well as the new imagewriter. First let me say the disk and the imagewriter were displayed for us; we were not allowed to play with them, nor make timing tests. The hard disk is about the size of three MacBottoms stacked one on top of the other. It plugs into the external drive port of the Macintosh and has another port for another drive, either another Apple hard disk or an external floppy drive. At most only two hard drives followed by a floppy can be connected. Also currently the hard drive cannot be booted without a floppy in the internal drive. In terms of performance it is certainly the most quiet of any of the disk drives I have heard. In terms of speed it is slower that the Hyperdrive, and slower than the MacBottom, but faster than any of the other hard drives. We were only shown how fast it takes for the drive to startup the switcher and some applications; we were not shown how long it takes to restart up the Finder after quitting a program a procedure which often slows down the other hard discs.

Also new is the filing system in which folders are used to a greater extent as directories and subdirectories. The new drive is not partitionable into separate volumes, but the role of folders is expanded into a form more like directories. File names now need only be unique within a folder and not unique within a volume. Folders are no longer simply creations of the Finder which only exist within the Desktop. If you are in an application and activate open in the menu you are presented with a list of files to choose from which are in the active folder. Another window lists all the folders within the active folder if your file is not in the current folder, and there is an icon to click the to access the folder or disk which holds the active folder. The Apple representative stated that neither the number of files, nor the number of folders, nor degree of nesting changes the speed in accessing the drive; thus Apple claims that large number of files does not slow the system down which is a problem many of the other drives have.

The new system is called the Turbo File System which is a RAM based operating system and is accompanied with Finder version 4.26. The demonstration of the new filing system was very impressive. I asked a question about backing up the hard disc, and was only told that the second port on the drive was configured so that a 3rd party company can market a tape drive for backup. Also future plans include a server program to allow the drive to be shared on Appletalk. Other incidental trivia which was mentioned: The drive does not have an automatic print spooler. It has a

separate on/off switch. It automatically parks the disk heads when powered off, and can withstand 20 g's while operating and 60 g's when off. Also there is no problem stacking two of them underneath the Mac.

The Imagewriter II was also demonstrated. First the bad news: its case is the same ghastly bright white as the Apple IIc, so it does not match the Macintosh's beige (that was my mom's only comment during the whole evening). It also has a new eight pin circular socket which is unlike either the RS232 or RS422 port, meaning you also need to obtain an interface cord which is only available from Apple. The good news is that it is much faster than the old imagewriter. I don't remember the stats, but apparently the new printer is faster in standard print mode than the old printer is in draft mode. Also the printer has far greater resolution than the old printer. Furthermore the printer has room for cards. One card is planned for the printer so that the printer can be addressed via Appletalk and thus be shared by several Macs. Another card provides a 32K buffer which would probably be more useful for Apple II users. Also more applicable to Apple II users is a speed control which affects the speed of the printer while in ascii mode; the control has no effect while printing in the Mac's graphic mode. The new optional sheet feeder is the best sheet feeder I have ever seen. It did not jam once during the evening and is easily removable to convert to traction feed and back also feeding sheets individually without the feeder is a lot easier than feeding sheets into the old printer. The printer supports a new 4 color ribbon; although software to use colors is only available now for the Apple II; the old monochromatic imagewriter ribbons also can be used. The new printer is also a bit larger than the old one. Current plans are to discontinue the old Imagewriter and market the new one at the same price as the old one. The Imagewriter 15 will not be discontinued, and the new printer driver supports all three printers. I forgot the announced prices, but these were posted in a preceding article in this newsgroup.

Also demonstrated was the new modem which is the size of a pack of cigarettes. Not much else to say about it; it is designed to be out of the way by staying on the wall where it is plugged instead of taking up desk space. It also has the new eight prong socket and is the same color as the new printer.

One more item Switcher 5.0 will be marketed at $19.95. The understanding the spokesman had was that Switcher is not public domain; people can either but it for $19.95 and get the manual, or join CompuServe and obtain copy. Non CompuServe subscribers are not entitled to a copy. Version 5.0 will also be placed on CompuServe.

The standard disclaimers apply: some of the names mentioned are

registered trademarks, I do not work for Apple Computers and neither does my mother.

--

David Whiteman,
University of California, San Diego

From 3421377594434997500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,491a651a0804d42,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-24 10:01:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site tetra.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!noscvax!tetra!rupp
From: rupp@tetra.UUCP (William L. Rupp)
Newsgroups: net.micro.apple
Subject: shift-key mod for Apple][+
Message-ID: <104@tetra.UUCP>
Date: Tue, 24-Sep-85 13:01:40 EDT
Article-I.D.: tetra.104
Posted: Tue Sep 24 13:01:40 1985
Date-Received: Sun, 29-Sep-85 08:18:57 EDT
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 21

This is in response to a question about shift-key modification for the Apple][+. I have used two different gadgets to do this, and they both involved connecting a clip to a pin under the keyboard at one end, and to the game I/O port on the other. The first unit, from Micromax, had a 16 pin chip-like device that plugged into the game I/O port. It was designed so that another connector could then be plugged on top of it. Therefore you would have no conflict with joysticks, etc.

The second device, which is in my current Apple][+, has, instead of the 16-pin business, a second clip, which itself attaches to one of the pins on a game connector (I happen to have one of those game I/O extenders which allows you to hook up your joystick easily outside the case.) I prefer this one, since I did not have to unplug my game port extender (I hate removing and inserting chips!!!) to make it work. I purchased this device for a very reasonable price from a local Apple dealer. Sorry, I do not remember the name of the product.

It is also possible to do a hardware modification which requires some motherboard soldering, or suchlike. I myself avoid this kind of remedy like the proverbial. Since these other devices are for sale, you probably will want to do likewise.

From 3644154454710168100
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-24 16:49:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!mit-eddie!think!
harvard!cmcl2!lanl!unm-la!unmvax!nmtvax!etscorn
From: etscorn@nmtvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: spells
Message-ID: <778@nmtvax.UUCP>
Date: Tue, 24-Sep-85 19:49:38 EDT
Article-I.D.: nmtvax.778
Posted: Tue Sep 24 19:49:38 1985
Date-Received: Sun, 29-Sep-85 06:23:48 EDT
Distribution: net
Organization: New Mexico Tech, Socorro
Lines: 8
Xref: watmath net.games:2210 net.micro.apple:2179

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
Has anyone ever played the game phantasie? If so could you send me the list
of spells and the number that it is called by. And if it is not much trouble
send me a little discription of the spell. What are the Magic# used for and the
stones.

Thanks,
Dylan Etscorn

From -1742692708669544455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,e9d880e35b053681,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,e9d880e35b053681,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-25 17:48:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-la!unmvax!nmtvax!etscorn
From: etscorn@nmtvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Spells for phantasie
Message-ID: <782@nmtvax.UUCP>
Date: Wed, 25-Sep-85 20:48:31 EDT
Article-I.D.: nmtvax.782
Posted: Wed Sep 25 20:48:31 1985
Date-Received: Tue, 1-Oct-85 09:39:45 EDT
Distribution: net

Organization: New Mexico Tech, Socorro
Lines: 8
Xref: linus net.games:1742 net.micro.apple:1871

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
I've sent this message before and think that is was not sent to net.micro.apple sooo i'm going to send it again. Could someone send me the spells and the number of the spell and the affect of the spell.

Thanks,
Dylan Etscorn

From 6823448377864632723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d811cc18a360346e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-25 18:16:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: 1200 Baud Modem Query
Message-ID: <568@aicchi.UUCP>
Date: Wed, 25-Sep-85 21:16:15 EDT
Article-I.D.: aicchi.568
Posted: Wed Sep 25 21:16:15 1985
Date-Received: Sat, 28-Sep-85 04:47:10 EDT
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 19

I am currently considering upgrading to the wonderful world of 1200 baud from my 300 baud Micromodem II. As I see it, there are two possible ways to go about this: (1) Modem card (Prometheus Promodem 1200a), or (2) separate serial card plus external modem.

So, what's best? Beats me. Anyone have some ideas they would like to share on this subect? Which way is best? Which hardware have you had success with?

For the record, my system consists of an][+, PCPI Starcard Z80 card, Videx Videoterm (will it handle 1200 baud, cursor positioning, etc?), ramcard and Epson parallel interface.

Please mail your replies. If anyone is interested in the results, I will post a summary in a couple of weeks. Thanks!
--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 7465644225533551891
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 142096,6981e720097cd37,start
X-Google-Attributes: gid142096,public
X-Google-Thread: 1622d3,6981e720097cd37,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-25 18:23:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!hplabs!ames!moose
From: moose@ames.UUCP (Mary Kaiser)
Newsgroups: net.micro.apple,net.micro.amiga
Subject: RGB Monitor compatible with Apple IIe & Amiga
Message-ID: <1162@ames.UUCP>
Date: Wed, 25-Sep-85 21:23:11 EDT
Article-I.D.: ames.1162
Posted: Wed Sep 25 21:23:11 1985
Date-Received: Sun, 29-Sep-85 06:10:46 EDT
Distribution: net
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 35
Xref: watmath net.micro.apple:2177 net.micro.amiga:242

Here's the problem:

I would like to have an RGB monitor that I could you with an Apple IIe and, hopefully in the not-too-distant future, an Amiga. Given that both computers begin with "A", this shouldn't be too hard. But seriously....

1) I've heard that Amiga developers like the Sony KV-1311CR monitor, but I've also heard that special cables are needed. So, I'm wondering:

   a) is it hard to find adapter cables (and is this all that you need to do to make the Sony work with the Amiga)?

   b) is there an RGB card available to interface the Sony with the Apple IIe?

2) Has anyone out there had any experience with the Apple 100 RGB monitor? Would it work with the Amiga?

3) Is there a different monitor I should be considering instead?

4) Will Commodore develop an Apple emulator so I can just trash the IIe or is IBM the only machine worth emulating?

5) What is the meaning of life?

I would appreciate answers to any of the above, but keep it brief on #5.

Many thanks in advance.

Mary K. Kaiser
ames!aurora!moose@RIACS.ARPA
(415) 694-6789
NASA Ames Research Center
Mail Stop 239-3
Moffett Field, CA 94035

From 5752277065108908856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,1f6769436bc7dcca,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 129c11,1f6769436bc7dcca,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1f6769436bc7dcca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-26 02:42:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site l5.uucp
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!ptsfa!l5!gnu
From: gnu@l5.uucp (John Gilmore)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Steve Jobs versus his child
Message-ID: <159@l5.uucp>
Date: Thu, 26-Sep-85 05:42:24 EDT
Article-I.D.: l5.159
Posted: Thu Sep 26 05:42:24 1985
Date-Received: Sun, 29-Sep-85 06:01:56 EDT
Organization: Ell-Five [Consultants], San Francisco
Lines: 8
Xref: watmath net.micro:12138 net.micro.mac:2759 net.micro.apple:2175
Followups-to: net.micro

Any comments on the Steve Jobs fiasco? Personally, I'm rooting for
Jobs. If Apple has become a big dumb company, its good employees
should be ENCOURAGED to go off and form startup(s), where they can do
good things for society instead of battling petty departmental
politics. In recent Apple moves (firing Jobs, hassling him afterward)
bigness and dumbness are certainly evident.

(Followups to net.micro only, please.)

From 8766770749403550192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,44f15cdbd4b94c1,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,44f15cdbd4b94c1,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,44f15cdbd4b94c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-26 06:42:39 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihwpt.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihwpt!wiso
From: wiso@ihwpt.UUCP (Jack Wisowaty)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: New Imagewriter For Sale
Message-ID: <486@ihwpt.UUCP>
Date: Thu, 26-Sep-85 09:42:39 EDT
Article-I.D.: ihwpt.486
Posted: Thu Sep 26 09:42:39 1985
Date-Received: Sat, 28-Sep-85 05:34:17 EDT
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 8
Xref: watmath net.micro:12111 net.micro.apple:2172 net.micro.mac:2741

New Imagewriter printer by Apple. The manufacturer's warranty lasts until
December. I have cables to connect it to a Macintosh, but it can be used
with other computers through a serial card. $400/best offer.

Jack Wisowaty
ihnp4!ihwpt!wiso
(312)979-3098 (days)
(312)961-0241 (eves)

From -5706569911083516428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b24e1cdcf52f4bf0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-26 07:44:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!ran
From: ran@ecsvax.UUCP (Ran L. Whitehead)
Newsgroups: net.micro.apple
Subject: Letter Quality Printer for Apple II plus
Message-ID: <492@ecsvax.UUCP>
Date: Thu, 26-Sep-85 10:44:26 EDT
Article-I.D.: ecsvax.492
Posted: Thu Sep 26 10:44:26 1985
Date-Received: Sun, 29-Sep-85 07:13:57 EDT
Distribution: net
Organization: North Carolina Educational Computing Service
Lines: 10

Can anyone suggest a fairly decent letter quality printer for
use with an Apple II plus with a Parallel interface. I would
like to keep the cost within $500. I have some quotes on
Silver Reed EXP 400,500 & 550. Also Olympia. Any other facts
about these or others would be greatly appreciated. I am going
to use this with the Apple CP/M version of Wordstar.

Thanks.
1,$p
w

From -5845977214833951036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc9cc8482a55c897,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-26 15:42:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Apple 80-Column Card
Message-ID: <203@ski.UUCP>
Date: Thu, 26-Sep-85 18:42:20 EDT
Article-I.D.: ski.203
Posted: Thu Sep 26 18:42:20 1985
Date-Received: Sun, 29-Sep-85 06:02:30 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 30

I have a problem with the Apple 80-column card, which I've been using
for some time. This is the regular Apple extneded 80-cloumn card in
the auxiliary slot on an Apple //e, recently enhanced.

In order to display data under a page 1 hi-res graph more clearly, the
headers are in normal, and the data is in inverse. (This is in a BASIC
program.)

When the inverse is over, the next blank line prints as an inverse
line, even if I precede the line with an explicit NORMAL statement.
The next blank line prints normally. If the next line after the data
is an input statement, the blank rest of the line after the input is
inverse also.

There is no problem of this type doing it in 40-columns, with the
80-col card turned off. In addition, there seems to be no reference to
this problem in the 80-col manual.

Does anyone out there have any understanding of why this is happening?
Please send me mail.

--
==========
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
{ihnp4,qantel,dual}!ptsfa!ski!dr

The opinions expressed herein do not reflect the opinion of the Institute!

From -4561671447041194255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-26 15:47:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!linus!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!allegra!
alice!aer
From: aer@alice.UucP (y)
Newsgroups: net.micro.apple
Subject: BBS software for sale
Message-ID: <4368@alice.UUCP>
Date: Thu, 26-Sep-85 18:47:14 EDT
Article-I.D.: alice.4368
Posted: Thu Sep 26 18:47:14 1985
Date-Received: Tue, 1-Oct-85 08:41:00 EDT
Organization: Bell Labs, Murray Hill
Lines: 24

I have available the T-NET 2.0 (version 2.0h) Electronic Bulletin Board
Softwarefor the Apple //. T-NET 2.0 is an extremely powerful and flexible system,
which
has been used on many great bulletin boards across the nation, including a
really great one which I had to take down because the owner of the hardware
had better things to do.

System requirements are an Apple //e, possibly a //c, or an Apple][+ with 64K
and a lowercase chip; a Novation Applecat modem, or a Hayes modem, and at
least two disk drives of online storage, or at least 280K of the equivalent.
A really *great* system requires more than two disk drives, or, better yet,
a hard disk drive, and a 1200 baud modem.

With 1200 baud, the software will autoseek between 0-300/1200 baud rates.
TNET 2.0 is written under ProDOS 1.1.1 (included), and thus uses subdirectories
of your own designation- great for hard disks. The software supports up to
30 message bases, and is easily expandable under Applesoft. Direct author
support and a manual are included.

The software also supports 'Go' modules, program downloads, and 'TP' textfile
downloads. Tedious routines are in machine code, control software in Applesoft.
---
telephone: 1-201-464-5269, after 3pm EST, ask for Dan
uucp: ihnp4!alice (subject TO DAN)   /\ BTL, Murray Hill

From -2270025416605187960

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1f6769436bc7dcca
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,1f6769436bc7dcca
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,1f6769436bc7dcca
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-27 07:10:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gumby.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!gumby!dan
From: dan@gumby.UUCP
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Steve Jobs versus his child
Message-ID: <456@gumby.UUCP>
Date: Fri, 27-Sep-85 10:10:04 EDT
Article-I.D.: gumby.456
Posted: Fri Sep 27 10:10:04 1985
Date-Received: Tue, 1-Oct-85 11:03:55 EDT
References: <159@l5.uucp>
Organization: U of Wisconsin CS Dept
Lines: 18
Xref: linus net.micro:10894 net.micro.mac:2735 net.micro.apple:1875

> Any comments on the Steve Jobs fiasco? Personally, I'm rooting for
> Jobs. If Apple has become a big dumb company, its good employees
> should be ENCOURAGED to go off and form startup(s), where they can do
> good things for society instead of battling petty departmental
> politics. In recent Apple moves (firing Jobs, hassling him afterward)
> bigness and dumbness are certainly evident.
>

In the category of terminal bigness, dumbness, and arrogance: Jobs'
enthusiasm for closed architecture, and his insistence that the only
developers Apple would give the time of day to were the big ones
(Microsoft, Lotus, etc.), takes a bigger cake than anything done by
the surviving Apple management.

According to John Sculley, the man who tossed Jobs, the next generation
of Apple machines will have an open architecture, and Apple will be
immediately working to improve its relations with, and support for,
third party developers. Sounds good to me.

From -7318763567009120407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d811cc18a360346e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-27 08:52:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucdavis.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ucbvax!ucdavis!ccs020
From: ccs020@ucdavis.UUCP (Kevin Chu)

Newsgroups: net.micro.apple
Subject: Re: 1200 Baud Modem Query
Message-ID: <103@ucdavis.UUCP>
Date: Fri, 27-Sep-85 11:52:53 EDT
Article-I.D.: ucdavis.103
Posted: Fri Sep 27 11:52:53 1985
Date-Received: Thu, 3-Oct-85 05:59:58 EDT
References: <568@aicchi.UUCP>
Distribution: net
Organization: University of California, Davis
Lines: 20

> I am currently considering upgrading to the wonderful world of 1200 baud from
> my 300 baud Micromodem II. As I see it, there are two possible ways to go
> about this: (1) Modem card (Prometheus Promodem 1200a), or (2) separate
> serial card plus external modem.
>
> So, what's best? Beats me. Anyone have some ideas they would like to share
> on this subect? Which way is best? Which hardware have you had success with?
>

I like my Novation Appla-Cat 212. It is on the expensive side, $400+, but
it has many good features such as tone dialing, a hand-set, rs232 interface,
and a power regulator. (In case you're into turning on your blender with
your computer.) I also use Ascii Express 4.2 with it.

--

                        --Kevin Chu
                        ..ucbvax!ucdavis!vega!ccs020

/ex

From -6804682498967458147
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cb58,d9b14a1174083f2d,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,d9b14a1174083f2d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-27 10:27:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsla.UUCP
Path: utzoo!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!allegra!mit-
eddie!think!harvard!seismo!hao!hplabs!sdcrdcf!sdcsvax!sdcsla!hestenes
From: hestenes@sdcsla.UUCP (Eric Hestenes)
Newsgroups: na.forsale,net.micro.apple
Subject: apple][e synthesizer
Message-ID: <989@sdcsla.UUCP>
Date: Fri, 27-Sep-85 13:27:59 EDT
Article-I.D.: sdcsla.989
Posted: Fri Sep 27 13:27:59 1985
Date-Received: Thu, 3-Oct-85 02:46:22 EDT

Distribution: na
Organization: U.C. San Diego, Cognitive Science Lab
Lines: 21
Xref: sabre na.forsale:208 net.micro.apple:319

for sale:

echo+ speech synthesizer
     by Street Electronics

has the highest quality speech money can buy (the latest chips),
and a good quality music synthesizer as well. One can use all speech commands
from basic or assembly (or 3rd party software).

new condition (used 3-4 times),
with all manuals , warranty card, and a speaker.

asking $100 or make a good offer.

send me a msg if interested.

eric

Eric Hestenes
arpanet: hestenes@nprdc.ARPA
other: ucbvax!sdcsvax!sdcsla!hestenes or hestenes@sdcsla.UUCP

From -1977546456383840279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7adf372cb0dde602,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-27 15:24:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site wucs.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!wucs!ed
From: ed@wucs.UUCP (Ed Macke)
Newsgroups: net.micro.apple
Subject: communication package for Apple Pascal?
Message-ID: <1185@wucs.UUCP>
Date: Fri, 27-Sep-85 18:24:04 EDT
Article-I.D.: wucs.1185
Posted: Fri Sep 27 18:24:04 1985
Date-Received: Sun, 29-Sep-85 05:22:19 EDT
Distribution: na
Organization: Washington U. in St. Louis, CS Dept.
Lines: 14
Keywords: communication package, Pascal

[]

I'm writing a data acquisition package for a client, and I'd like to
use Pascal for the code. A potential problem is that the client

would like to download the data to a VAX 11/780 running VMS. Does
anyone know of a commercially available (or public domain) communication
package which would allow transfer of Pascal files to the VAX?

Please reply by e-mail to
     ...!ihnp4!wucs!wuibc!ed

And thanks in advance!

Ed Macke

From -54321109068309122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,bc4916aac2aa6434,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,bc4916aac2aa6434,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,bc4916aac2aa6434,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-28 14:42:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!sdcrdcf!
sdcsvax!dcdwest!ittatc!decvax!genrad!mit-eddie!think!harvard!cmcl2!lanl!unm-la!
unmvax!nmtvax!etscorn
From: etscorn@nmtvax.UUCP
Newsgroups: net.micro.apple,net.games,net.games.frp
Subject: Spells
Message-ID: <789@nmtvax.UUCP>
Date: Sat, 28-Sep-85 17:42:06 EDT
Article-I.D.: nmtvax.789
Posted: Sat Sep 28 17:42:06 1985
Date-Received: Mon, 7-Oct-85 03:12:24 EDT
Distribution: net
Organization: New Mexico Tech, Socorro
Lines: 6
Xref: watmath net.micro.apple:2202 net.games:2223 net.games.frp:1971

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
Could someone send me the spells for Phantasie and the numbers and what they
do.

                                        Thanks,
                                    Dylan Etscorn

From -2001325590497055327
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7a286c87936dea3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-28 16:09:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!aer
From: aer@alice.UucP (y)
Newsgroups: net.micro.apple
Subject: Apple //e for sale
Message-ID: <4374@alice.UUCP>
Date: Sat, 28-Sep-85 19:09:09 EDT
Article-I.D.: alice.4374
Posted: Sat Sep 28 19:09:09 1985
Date-Received: Sun, 29-Sep-85 07:27:37 EDT
Organization: Bell Labs, Murray Hill
Lines: 46

For sale:

 (1) Apple //e
 (1) slightly re-arranged Disk][drive with interface
 (1) IDS 480 Microprism printer
 (1) Grappler+ graphic dump interface to go with above
 (1) Video-7 RGB/64 combination RGB interface and extended 64K 80 column
     card for above
 (1) Taxan RGBvision III monitor (digital, 640x262 res., .38mm dot pitch)
     which also says "Acorn Computer" on the front (for above with an Apple //)

Features and other stuff:

  The Apple //e CPU has been upgraded (by the dealer) in the following ways:
It's got a revision B motherboard, a revision B keyboard with an uncharacterist-
ly good feel for a //e, and the 65C02/ROMchip/char_gen upgrade

  The re-arranged in Disk][means it no longer has a write-protect sense,
but rather a homemade switch. I'll part with it cheap.

  The IDS 480 Microprism is a sort of fast (80 cps/110 cps) printer which was
the first to have a real correspondance mode, and looks better than some of
the other correspondance modes you'll see- I'll send you a copy via USmail
if you like. The Grappler+ is your standard control-I and dump Anything
printer.I've got the pinter working with Applewriter //e 2.1 and Appleworks.

  The Video-7 card is just like an ext. 80 column card, making this a 128K
computer. The Apple //e graphics (even double-high-resolution) cannot do justiceto
the Taxan monitor.

Also for sale:

Applemouse //e (with //e interface card)
Mockingboard C sound board (uses 6522 versatile interface chip, has 6 pure
                            tone channels divided three into left and right,
                            two noise generators, and the really amazing
                            SSi 263 (as seen in Byte) speech synthesizer
                            chip on board. With much software.)

And a lot of disks full of interesting creations.

And software.

D. Rosenberg on   Murray Hill ATT/BTL /\
                                         --   tel 1-201-464-5269
                                                   (ask for Dan)
uucp: ..!ihnp4!alice!aer (Subject: TO DAN)

From -8699691871089613025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,1f6769436bc7dcca
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,1f6769436bc7dcca
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,1f6769436bc7dcca
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-09-29 10:45:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gitpyr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gatech!gitpyr!lbg
From: lbg@gitpyr.UUCP (Lee B Grey, Programmer Extraordinaire)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Steve Jobs versus his child
Message-ID: <830@gitpyr.UUCP>
Date: Sun, 29-Sep-85 13:45:54 EDT
Article-I.D.: gitpyr.830
Posted: Sun Sep 29 13:45:54 1985
Date-Received: Mon, 30-Sep-85 02:40:27 EDT
References: <159@l5.uucp>
Organization: Georgia Institute of Technology
Lines: 9
Xref: watmath net.micro:12162 net.micro.mac:2777 net.micro.apple:2182

In article <159@l5.uucp>, gnu@l5.uucp (John Gilmore) writes:
> Any comments on the Steve Jobs fiasco? Personally, I'm rooting for
> Jobs. If Apple has become a big dumb company, its good employees
> should be ENCOURAGED to go off and form startup(s), where they can do
> good things for society instead of battling petty departmental
> politics. In recent Apple moves (firing Jobs, hassling him afterward)
> bigness and dumbness are certainly evident.

Hear, hear! (Or is it "Here, here!"?)

From -4360435221511679247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-29 11:04:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gitpyr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gatech!gitpyr!lbg
From: lbg@gitpyr.UUCP (Lee B Grey, Programmer Extraordinaire)
Newsgroups: net.games,net.micro.apple
Subject: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <831@gitpyr.UUCP>
Date: Sun, 29-Sep-85 14:04:42 EDT
Article-I.D.: gitpyr.831
Posted: Sun Sep 29 14:04:42 1985
Date-Received: Mon, 30-Sep-85 02:41:15 EDT
References: <778@nmtvax.UUCP>
Distribution: net
Organization: Georgia Institute of Technology
Lines: 19
Xref: watmath net.games:2212 net.micro.apple:2183

< this line intentionally left blank >

A few months ago, I got something in the mail from a company
in Washington (I think). They were offering Wordstar for the
Apple for $165, and "throwing in" a 6MHz CP/M card complete with
64K RAM and a 70-column function on the same card.

It sounded too good to be true, adn I was getting an AMIGA anyway,
so I just filed it (not in the round file). Now, my mother wants
a word processor, so I'm loaning her my Apple][+. She needs all
of the above. So...

Is this company for real? I'm sorry I don't have the name at the
moment, but hopefully someone will recognize this offer. Anybody
order this?

Thanks.

Lee Grey

From 3288868800972466372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b24e1cdcf52f4bf0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-29 11:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Re: Letter Quality Printer for Apple II
Message-ID: <9800011@uiucuxa>
Date: Sun, 29-Sep-85 14:56:00 EDT
Article-I.D.: uiucuxa.9800011
Posted: Sun Sep 29 14:56:00 1985
Date-Received: Wed, 2-Oct-85 05:35:10 EDT

References: <492@ecsvax.UUCP>
Lines: 11
Nf-ID: #R:ecsvax.UUCP:-49200:uiucuxa:9800011:000:326
Nf-From: uiucuxa.CSO.UIUC.EDU!ldr292   Sep 29 13:56:00 1985

Dynax used to make a inexpensive letter quality printer for under $500.00
I dont know if it is still being manafactured, but if you come across one
the last price I saw was about $350.00.

Good Luck

Leonard Rosenthol

... Once upon a time there lived a man named Jobs...

From 921322819789355849
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,491a651a0804d42
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-29 19:59:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site uvicctr.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP (Doug Collinge)
Newsgroups: net.micro.apple
Subject: Re: shift-key mod for Apple][+
Message-ID: <155@uvicctr.UUCP>
Date: Sun, 29-Sep-85 22:59:11 EDT
Article-I.D.: uvicctr.155
Posted: Sun Sep 29 22:59:11 1985
Date-Received: Wed, 2-Oct-85 05:34:03 EDT
References: <104@tetra.UUCP>
Reply-To: collinge@uvicctr.UUCP (Doug Collinge)
Distribution: net
Organization: University of Victoria, Victoria B.C. Canada
Lines: 20

Although I never did it (having a 2e instead of a 2+) a friend
of mine discovered that the 2+ keyboard PCB uses a keyboard
encoder chip with provisions for lower case - it just isn't
hooked up. Furthermore, a standard slide switch can be installed
in HOLES ALREADY PROVIDED ON THE PCB that gives either standard
Apple or upper/lower case with the keyboard shift key. He chose
to mount the switch on the front panel anyway for convenience.

The problem is in the Apple monitor, which masks any lower case
to upper case. The fix is simple if you put the monitor in the
language card RAM.

--
Doug Collinge
School of Music, University of Victoria,
PO Box 1700, Victoria, B.C.,
Canada, V8W 2Y2
decvax!nrl-css!uvicctr!collinge
decvax!uw-beaver!uvicctr!collinge
ubc-vision!uvicctr!collinge

From -4020354378448374276
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f53801228f4e300
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-30 11:31:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!
hplabs!sdcrdcf!sdcsvax!sdcc3!sdcc6!ix469
From: ix469@sdcc6.UUCP (david smith)
Newsgroups: net.micro.apple
Subject: Re: ae 1200 baud problems
Message-ID: <2219@sdcc6.UUCP>
Date: Mon, 30-Sep-85 14:31:30 EDT
Article-I.D.: sdcc6.2219
Posted: Mon Sep 30 14:31:30 1985
Date-Received: Fri, 4-Oct-85 06:02:04 EDT
References: <7536@watrose.UUCP>
Reply-To: ix469@sdcc6.UUCP (david smith{|ix})
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 37

In article <7536@watrose.UUCP> cjsgro@watrose.UUCP (Carlo Sgro) writes:
>i have run across a problem when i use ascii express or ascom (under cp/m) to
>talk to unix at 1200 baud. i frequently lose the first (in ae) or second (in
>ascom) character. this doesn't happen at 300 baud and no other characters are
>lost. i am currently operating with an emp 1200b modem but will be changing to
>a smartteam modem within the week. my serial card is the apple super serial.
>i am still running 40 columns and find that the problem occurs every time thaty
>the left side of the screen is reached (i.e. at the start and dead-centre
>of lines). any suggestions?
>
>
>
>--
>---
>Carlo Sgro
>...![ihnp4||decvax||allegra||clyde||utzoo]!watmath!watrose!cjsgro

I had the same problem on my Apple IIe. Seems that the wonderful
screen drivers written by Apple in the monitor (and Apple 80-column
card) ROMs are a tad slow, this being the fault of one Stephen

Wozniak who contorted the screen memory map all over the place to save a couple of chips, forcing the good ol' 6502 to go thru all sorts of calculations. Anyway, there are three solutions. 1) Re-write the video routines and figure out a way to interface them to AE. 2) Buy a third-party 80 column board. 3) Buy a terminal program that works at 1200 baud.

I started on 1, and gave up when I came across three. Now, I'm using Apple Access (from Apple) which deos work at 1200 baud and does a semi-decent VT100 emulation (but not perfect). I do like AE, though and I may still attempt to hack my re-written video drivers into it. If so, I will post to the net. If anyone wants a listing of my semi-finished, faster screen drivers, drop me a note.

David L. Smith
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

From -6977875688657697228
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1f6769436bc7dcca
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,1f6769436bc7dcca
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,1f6769436bc7dcca
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-10-01 16:32:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site bcsaic.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
fluke!ssc-vax!bcsaic!stuart
From: stuart@bcsaic.UUCP (stuart gove)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Steve Jobs versus his child
Message-ID: <323@bcsaic.UUCP>
Date: Tue, 1-Oct-85 19:32:13 EDT
Article-I.D.: bcsaic.323
Posted: Tue Oct 1 19:32:13 1985
Date-Received: Thu, 3-Oct-85 04:38:09 EDT
References: <159@l5.uucp> <456@gumby.UUCP>
Reply-To: stuart@bcsaic.UUCP (stuart gove)
Organization: Boeing Computer Services AI Center, Seattle
Lines: 31
Xref: watmath net.micro:12193 net.micro.mac:2807 net.micro.apple:2190
Summary:

>> Any comments on the Steve Jobs fiasco? Personally, I'm rooting for
>> Jobs. If Apple has become a big dumb company, its good employees
>> should be ENCOURAGED to go off and form startup(s), where they can do
>> good things for society instead of battling petty departmental
>> politics. In recent Apple moves (firing Jobs, hassling him afterward)
>> bigness and dumbness are certainly evident.

>>
>
>In the category of terminal bigness, dumbness, and arrogance: Jobs'
>enthusiasm for closed architecture, and his insistence that the only
>developers Apple would give the time of day to were the big ones
>(Microsoft, Lotus, etc.), takes a bigger cake than anything done by
>the surviving Apple management.
>
>According to John Sculley, the man who tossed Jobs, the next generation
>of Apple machines will have an open architecture, and Apple will be
>immediately working to improve its relations with, and support for,
>third party developers. Sounds good to me.

Ditto. However unfortunate the circumstances were that led to Jobs'
dismissal, the fact remains that he attempted to target the business
market with the Mac without listening to what business users wanted.
Apple management appears willing now to opening the Mac's architecture,
a move which will certainly improve the Mac's market potential.

Stuart Gove
Boeing Computer Services

"I was a narrator for bad mimes." -- Steven Wright

From -6933772090858548890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e986c93b3ed828b5,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e986c93b3ed828b5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-01 17:36:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!sdcrdcf!
sdcsvax!noscvax!ogasawar
From: ogasawar@noscvax.UUCP (Todd H. Ogasawara)
Newsgroups: net.micro,net.micro.apple
Subject: 6511EAB CPU???
Message-ID: <42@noscvax.UUCP>
Date: Tue, 1-Oct-85 20:36:23 EDT
Article-I.D.: noscvax.42
Posted: Tue Oct 1 20:36:23 1985
Date-Received: Mon, 7-Oct-85 03:09:09 EDT
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 9
Xref: watmath net.micro:12245 net.micro.apple:2201

A user here is trying to find a source to purchase the 6511EAB CPU from.
The 6511EAB is a 6502 compatible CMOS chip with two counters and

piggyback ground. Any leads will be appreciated...todd

Todd Ogasawara, Computer Sciences Corp.
NOSC-Hawaii Laboratories

UUCPmail: {akgua,allegra,decvax,ihnp4,ucbvax}!sdcsvax!noscvax!ogasawar
MILNET: OGASAWAR@NOSC

From -4256527199418536794
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-01 18:22:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale
Message-ID: <1845@brl-tgr.ARPA>
Date: Tue, 1-Oct-85 21:22:11 EDT
Article-I.D.: brl-tgr.1845
Posted: Tue Oct 1 21:22:11 1985
Date-Received: Sat, 5-Oct-85 03:04:06 EDT
References: <4368@alice.UUCP>
Organization: Ballistic Research Lab
Lines: 5

Hardware and software "for sale" postings are totally
inappropriate. This is NOT a BBS; it is a newsgroup
that is gatewayed into the Internet, where commercial
solicitation is prohibited. Please restrain postings
to information exchange.

From 4166131750932616501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,4b991315297c523b
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,fc01836a05cac956,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-02 10:55:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!)
Message-ID: <596@sftig.UUCP>
Date: Wed, 2-Oct-85 13:55:05 EDT
Article-I.D.: sftig.596

Posted: Wed Oct 2 13:55:05 1985
Date-Received: Thu, 3-Oct-85 07:03:28 EDT
References: <151@uvicctr.UUCP> <7100003@prism.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 46
Xref: watmath net.micro.apple:2192 net.micro.68k:1184

>
>
>
>
>   Why not drop in 65802's to replace your 6502's?
>
>   The 65802 is the 6502 pin-compatible version of the
>   65816, the new 16-bit 6502. The 65816 features 16
>   megabyte adressing, user registers that can be expanded
>   from eight bits to sixteen, a sixteen-bit stack pointer,
>   a relocatable zero page (now called the direct page), a block
>   move instruction, and much more. In its emulation mode,
>   it emulates a 6502 down to the weird invalid addresses
>   needed to operate the Apple disk II controller; in native
>   mode, you already know over half the opcodes if you know how to
>   program a 6502.
>
>   If a 1MHz 6502 can keep up with an 8MHz 68000, what will happen
>   when somebody builds a machine using a 4 or 5 MHz 65816 --
>   which will be exactly four or five times faster, since the
>   memory access cycle is the same as the clock cycle? (The
>   standard 65802/65816 part is 4MHz, and it's CMOS).
>
>   For more information, contact the Western Design Center, 2166
>   East Brown Road, Mesa, AZ, 602-962-4545 (it is also being
>   sourced by GTE Microcircuits).
>
>   David Eyes
>   Mirror Systems, Inc.
>
>   {cca, ihnp4, inmet, mit-eddie, wjh12} ...
>   ... mirror!prism!david

Does anybody know whether you can replace the 65(C)02 in an Apple IIe/+/c with the 65802 without causing serious compatibility problems? If you do, and if it works, what do you get for your efforts? No chance of direct addressability to memory beyond the II's hacked over 64K, of course, but do the 16 bit registers work?, howabout the 'direct' page stuff?, the block move instructions? Does it mess up any of the timing loops (like in the disk driver software, and the paddle reader software)? Or did they preserve the same number of clocks per instruction as the 6502 as a compatibility 'feature'?

Interesting,

RIck Thomas
ihnp4!attunix!rbt

From 7082871250457373437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-02 12:59:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site dartvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!dartvax!holly
From: holly@dartvax.UUCP (Holly Cabell)
Newsgroups: net.games,net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <3658@dartvax.UUCP>
Date: Wed, 2-Oct-85 15:59:50 EDT
Article-I.D.: dartvax.3658
Posted: Wed Oct 2 15:59:50 1985
Date-Received: Fri, 4-Oct-85 03:21:35 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP>
Distribution: net
Organization: Dartmouth College, Hanover, NH
Lines: 23
Xref: watmath net.games:2216 net.micro.apple:2193

> < this line intentionally left blank >
>
> A few months ago, I got something in the mail from a company
> in Washington (I think). They were offering Wordstar for the
> Apple for $165, and "throwing in" a 6MHz CP/M card complete with
> 64K RAM and a 70-column function on the same card.
>
> It sounded too good to be true, adn I was getting an AMIGA anyway,
> so I just filed it (not in the round file). Now, my mother wants
> a word processor, so I'm loaning her my Apple][+. She needs all
> of the above. So...
>
> Is this company for real? I'm sorry I don't have the name at the
> moment, but hopefully someone will recognize this offer. Anybody
> order this?
>
> Thanks.
>
> Lee Grey

I wasn't aware that Wordstar was a game ..
--
--johnc at [the.world] ! dartvax ! holly

From 7702705544799426131
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,6c552c37d33c59b9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-03 12:33:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!linus!decvax!mcnc!philabs!ttidca!ttidcc!regard
From: regard@ttidcc.UUCP (Adrienne Regard)
Newsgroups: net.micro.apple
Subject: APPLE IIC HELP NEEDED!!!!!
Message-ID: <750@ttidcc.UUCP>
Date: Thu, 3-Oct-85 15:33:09 EDT
Article-I.D.: ttidcc.750
Posted: Thu Oct 3 15:33:09 1985
Date-Received: Sun, 6-Oct-85 08:46:39 EDT
Organization: TTI, Santa Monica, CA.
Lines: 16

HELP NEEDED!!

A writer friend of mine needs help with an Apple IIC with Pro-DOS. She
wasn't very conscientious about backing up disks, and has suffered
her first disk crash, costing her 60 pages of prose that HAS NEVER BEEN
PRINTED.

She is desperately searching for some utility that will read the crashed
disk sector by sector to salvage some of those 60 pages worth of work.
The corporate Apple hasn't been able to help. They do not have such a
utility for this machine/operating system.

Can anybody help?? My friend's great thanks, and my own, in advance.

Adrienne Regard (path above for e-mail).

From 6271921589394124098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9ff6faa56de5fcac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-03 12:42:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2a.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!houxm!hou2a!9212mhm
From: 9212mhm@hou2a.UUCP (M.MORTENSEN)
Newsgroups: net.micro.apple
Subject: need apple//e replacement keyboard
Message-ID: <657@hou2a.UUCP>
Date: Thu, 3-Oct-85 15:42:57 EDT
Article-I.D.: hou2a.657
Posted: Thu Oct 3 15:42:57 1985
Date-Received: Fri, 4-Oct-85 05:49:36 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 31

My Apple //e keyboard has been giving me trouble --
one of the keys does not give any indication at all
of being pressed, and another is flakey.
After taking apart the case and disconnecting the
keyboard, it seems that I have the choice of either
replacing the bad keyswitches (unsoldering carefully
then soldering in new ones) or getting a replacement
keyboard. But my Apple dealer will not sell me a
replacement keyboard (their contract with Apple will
not allow it, they tell me -- but they would be happy
to repair it for a minimum of $90 plus parts and labor).
So on to the mail order housses -- none have a replacement
keyboard for the //e (][and][+ yes, //e no) that I have
found, but they will sell me an external keyboard for
about $200.

Help, please:

1 - Does anyone know where I can get a replacement keyboard to fit in my //e case?

2 - Does anyone know what kind of keyswitches are used in the //e keyboard, in case I have to replace them myself (ie. no good answers to question #1)?

3 - Does anyone know why Apple will not sell me a replacement keyboard, when all I would have to do is plug it in?

Thanks in advance.

Mark H. Mortensen
AT&T-Bell Labs
houu2a!9212mhm

From 3246275221775999608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9ff6faa56de5fcac
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-04 04:34:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umn-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!umn-cs!goldman
From: goldman@umn-cs.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple
Subject: Re: need apple//e replacement keyboard
Message-ID: <815@umn-cs.UUCP>
Date: Fri, 4-Oct-85 07:34:41 EDT
Article-I.D.: umn-cs.815
Posted: Fri Oct 4 07:34:41 1985
Date-Received: Sun, 6-Oct-85 04:49:42 EDT
References: <657@hou2a.UUCP>
Reply-To: goldman@umn-cs.UUCP (Matthew D. Goldman)
Organization: Demolitions Training Corporation
Lines: 38

Summary:

In article <657@hou2a.UUCP> 9212mhm@hou2a.UUCP (M.MORTENSEN) writes:
>My Apple //e keyboard has been giving me trouble --
.
.
.
>   But my Apple dealer will not sell me a
>replacement keyboard
>   -- none have a replacement
>keyboard for the //e (][and][+ yes, //e no) that I have
>found, but they will sell me an external keyboard for
>about $200.
>
>Help, please:
>   Mark H. Mortensen
>   AT&T-Bell Labs
>   houu2a!9212mhm

Mark,
     There is a company which sells stuff, Jamiesco or something like that,
I've got their catalog at home. They sell everything. As to your other
questions, I'm having the same problem's buying a powersupply for an apple 2+.
I'll post the address sometime tomorrow.

--

                  Matthew Goldman
                  Computer Science Department
                  University of Minnesota
                  ...ihnp4!umn-cs!goldman
                  ...stolaf!umn-cs!goldman

Home is where you take your hat off...   Banzai!

Kyllara :What did you just do?
Moederan :   I don't know but it's going to be fun...

From 538360430011101418
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c470c1a4f2c75757,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-04 05:41:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site pedsgd.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!petsd!pedsgd!bobh
From: bobh@pedsgd.UUCP (Bob Halloran)
Newsgroups: net.micro.apple
Subject: PD Screen Dump

Message-ID: <304@pedsgd.UUCP>
Date: Fri, 4-Oct-85 08:41:52 EDT
Article-I.D.: pedsgd.304
Posted: Fri Oct 4 08:41:52 1985
Date-Received: Sat, 5-Oct-85 06:43:41 EDT
Distribution: net
Organization: Perkin-Elmer, Tinton Falls, NJ
Lines: 17

Is there a public domain routine for dumping the screen to an
Imagewriter? My wife's students are working in LOGO and trying
various things, but the example in their text (Krell) is given
for the Silentype only.

Please reply by mail. Thanks.

                            Bob Halloran
                            Sr MTS, Perkin-Elmer DSG
==
UUCP: {decvax, ucbvax, most Action Central}!vax135\
                    {topaz, pesnta, princeton}!petsd!pedsgd!bobh
ARPA: petsd!pedsgd!bobh@topaz
USPS: 106 Apple St M/S 305, Tinton Falls NJ 07724
DDD: (201) 758-7000
Disclaimer: My opinions are my own.
Quote: "BOO! We changed Coke again! BLEAH! BLEAH!"- The 'Boogums', Bloom County

From 3537942321857226642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-04 12:35:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.games,net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <598@sftig.UUCP>
Date: Fri, 4-Oct-85 15:35:31 EDT
Article-I.D.: sftig.598
Posted: Fri Oct 4 15:35:31 1985
Date-Received: Sat, 5-Oct-85 08:03:03 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 61
Xref: watmath net.games:2220 net.micro.apple:2198

> < this line intentionally left blank >

>
> A few months ago, I got something in the mail from a company
> in Washington (I think). They were offering Wordstar for the
> Apple for $165, and "throwing in" a 6MHz CP/M card complete with
> 64K RAM and a 70-column function on the same card.
>
> It sounded too good to be true, and I was getting an AMIGA anyway,
> so I just filed it (not in the round file). Now, my mother wants
> a word processor, so I'm loaning her my Apple][+. She needs all
> of the above. So...
>
> Is this company for real? I'm sorry I don't have the name at the
> moment, but hopefully someone will recognize this offer. Anybody
> order this?
>
> Thanks.
>
> Lee Grey

Yes, they are for real. The company is Micropro International Corp. and they are in San Rafael, CA. Not Washington. Wordstar is a registered trademark of Micropro International Corp. The CP/M board is the so called 'Starcard', which is actually the PCPI Applicard. I can't validate the price, but it sounds like it is in the right ballpark. The 6MHz Z80 is as fast as the wind. I run Turbo Pascal on it and I am continually impressed with the speed. Wordstar is also quite sprightly. The 70-column function is implemented in software, and it is *not* useful as a replacement for an 80 column card. It is there so you can run wordstar even if you dont have a real 80 column board. You still need a hi-res monocrome monitor to read it, and the characters are displayed in a 4x8 dotmatrix. (Work it out: The Apple hi-res screen is 280x192. 280/70=4 and 192/24=8.) Not the sort of thing you would want to spend all day reading. However, if you get an Apple extended 80 column card to go with it (or a RAMworks from Applied Engineering) you can have a full, quite readable, 80 column screen, and there is a software package available (from Applied Engineering) that uses the extra bank of 64K on the extended 80-col card (or the extra up to a Meg on the ramworks.) as a RAMdisk. Now, talk about *FAST*!

I have one, and I recommend it.

Rick Thomas
ihnp4!attunix!rbt

PS while I am on the subject of RAMdisks, the starcard comes with a software driver that attaches to DOS3.3 and uses the 64K on the Z80 card as a ramdisk for the 6502. For an exorbitant price (a couple of hundred dollars) you can get a piggy-back card for the Z80 from PCPI that will expand the Z80 to a total of 192K, all of which can be used by the DOS3.3 ramdisk software. PCPI does not offer a PROdos version of this software, so I am working on writing one. If I ever get it finished, it will probably be available thru PCPI.

PPS. The package from Micropro includes the hardware and instructions for
installing the 'one-wire shift-key mod' on the II+ in case you haven't
already done so yourself.

Disclaimer -- I have no connection with any of the above companies.
My employer and the owners of this computer undoubtedly have their own
opinions, which may be different from mine.

From 8380975639940961795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7161c6c1e96245b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-04 16:04:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site daemen.UUCP
Path: utzoo!linus!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!mhuxr!
mhuxt!houxm!ihnp4!qantel!dual!lll-crg!seismo!rochester!rocksanne!sunybcs!daemen!
malutza
From: malutza@daemen.UUCP (Sure Lock)
Newsgroups: net.micro.apple
Subject: Termcap apple
Message-ID: <1235@daemen.UUCP>
Date: Fri, 4-Oct-85 19:04:19 EDT
Article-I.D.: daemen.1235
Posted: Fri Oct 4 19:04:19 1985
Date-Received: Thu, 10-Oct-85 07:12:10 EDT
Distribution: net
Organization: Daemen College, Computer Science Department, Buffalo, NY
Lines: 31

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

Help!!!. There several people at this college that dialup with
an apple (//,+,//e,//c or ///),but our apple termcap here seems
to be obsolete. So is there any one who has a updated termcap
for an apple computer?? . If one wonders we have a vax 11/750,
here at Daemen College.
                                        Roman S Malutza

Ps.Urgent call ,Please send the termcap,as soon as someone lays
a hand(eye) on one,and mail it.
--
^*
-_

                      Roman Malutza,Leroy Kiefer and Kieth Lemberg

UUCP: {decvax,dual,watmath,fredonia,rockvax,roskanne}!sunybcs!daemen!malutza

  "Any statement just made are not mine,this computer must of
                                        mistaken me for some low I.Q moron".

P.S. Feel free anyways for any response to the posting to this confused
     newsite
                        Address :: !sunybcs!daemen!malutza

~=~=~=

Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!)
Message-ID: <2230@sdcc6.UUCP>
Date: Sun, 6-Oct-85 14:39:46 EDT
Article-I.D.: sdcc6.2230
Posted: Sun Oct 6 14:39:46 1985
Date-Received: Tue, 15-Oct-85 10:50:58 EDT
References: <151@uvicctr.UUCP> <7100003@prism.UUCP> <596@sftig.UUCP>
Reply-To: ix469@sdcc6.UUCP (david smith{|ix})
Organization: U.C. San Diego, Academic Computer Center
Lines: 18
Xref: watmath net.micro.apple:2231 net.micro.68k:1236

The 65816 is indeed pin-compatible with the 6502 and it may be
possible to "drop" one into an Apple II without major problems,
provided you don't want to address more than 64K. In order to
address the 16 megabytes, Western Design uses the data bus as
address bus for the half CPU cycle that the data bus is not used.
Unfortunately, during the time, the video is busy playing with
things. I believe that the MMU switches the CPU off the data bus
during that time.

==========
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

All opinions expressed herein are strictly the products of my
automated posting facility and have no affiliation with myself, my
employers or my cat.

From 904386717369185795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae5858253aba9777,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 08:53:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax4.fluke.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro.apple
Subject: Suggestions solicited for printer and WP software for Apple][
Message-ID: <2766@vax4.fluke.UUCP>
Date: Mon, 7-Oct-85 11:53:00 EDT
Article-I.D.: vax4.2766
Posted: Mon Oct 7 11:53:00 1985
Date-Received: Wed, 9-Oct-85 07:05:08 EDT
Distribution: net
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 25

Some friends of mine who own an Apple][want to get a daisy-wheel printer and a Word Processing program from their machine, and they asked my advice. Having no experience in this area, any suggestions from you folks would be greatly appreciated.

After discussing it with them, I believe they would like a WP program which is fairly easy to use, but has capabilities for footnotes, etc. -- they have two kids going into high school who want to use it for papers. Also, the printer and WP program should be compatible :-).

Either mailing or postings are fine (the latter if you feel this might be of general interest). Thank you very much in advance...

"But like the Good Book says... There's BIGGER DEALS to come!"

Moriarty, aka Jeff Meyer

UUCP:
{princeton,ulysses}!allegra -\
{decwrl,qubix}!sun -\
{akgua,gatech,harpo,purdue,uf-crgl}!sb6 -\
{cornell,decvax,ihnp4,sdcsvax,tektronix,utcsri}!uw-beaver -- !fluke!moriarty
{hplabs,nbires}!lbl-csam -/
{microsoft,ssc-vax,telmatic,tikal,uw-vlsi} -/
ARPA:
fluke!moriarty@uw-beaver.ARPA

From 5922797972185920537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,fa1aafba2a7a857a,start
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 09:57:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umn-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!stolaf!umn-cs!goldman
From: goldman@umn-cs.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple,net.flame
Subject: Re: BBS software for sale
Message-ID: <819@umn-cs.UUCP>
Date: Mon, 7-Oct-85 12:57:18 EDT
Article-I.D.: umn-cs.819
Posted: Mon Oct 7 12:57:18 1985
Date-Received: Sat, 12-Oct-85 15:50:18 EDT
References: <4368@alice.UUCP> <1845@brl-tgr.ARPA>
Reply-To: goldman@umn-cs.UUCP (Matthew D. Goldman)
Organization: Demolitions Training Corporation
Lines: 27
Xref: watmath net.micro.apple:2217 net.flame:12244
Summary: I like stuff for sale...

In article <1845@brl-tgr.ARPA> gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>) writes:
>Hardware and software "for sale" postings are totally
>inappropriate. This is NOT a BBS; it is a newsgroup
>that is gatewayed into the Internet, where commercial
>solicitation is prohibited. Please restrain postings
>to information exchange.

Doug, kindly go soak your cpu in a lake. I'm a reader who is intrested
in for sale postings, as I'm trying to put together an AppleII blackbox
system (Bell & Howell). I read this newsgroup for all information
related to Apple's. I vote the for sale's stay. For many people
this is a BBS.

--

Matthew Goldman
Computer Science Department
University of Minnesota
...ihnp4!umn-cs!goldman
...stolaf!umn-cs!goldman

Home is where you take your hat off... Banzai!

Kyllara :What did you just do?
Moederan : I don't know but it's going to be fun...

From -6980407778676223522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c552c37d33c59b9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 10:06:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umn-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!umn-cs!goldman
From: goldman@umn-cs.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple
Subject: Re: APPLE IIC HELP NEEDED!!!!!
Message-ID: <820@umn-cs.UUCP>
Date: Mon, 7-Oct-85 13:06:36 EDT
Article-I.D.: umn-cs.820
Posted: Mon Oct 7 13:06:36 1985
Date-Received: Sat, 12-Oct-85 15:27:12 EDT
References: <750@ttidcc.UUCP>
Reply-To: goldman@umn-cs.UUCP (Matthew D. Goldman)
Organization: Demolitions Training Corporation
Lines: 26
Summary:

In article <750@ttidcc.UUCP> regard@ttidcc.UUCP (Adrienne Regard) writes:
>

>HELP NEEDED!!
>
>
>She is desperately searching for some utility that will read the crashed
>disk sector by sector to salvage some of those 60 pages worth of work.
>Can anybody help?? My friend's great thanks, and my own, in advance.

Try Begal Brothers' Software(eat that internet :-) They run strange
advertisments in most computer zines

--

                  Matthew Goldman
                  Computer Science Department
                  University of Minnesota
                  ...ihnp4!umn-cs!goldman
                  ...stolaf!umn-cs!goldman

Home is where you take your hat off...   Banzai!

Kyllara :What did you just do?
Moederan :   I don't know but it's going to be fun...

From 994406094916253784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c24179701597368,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 10:19:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site lanl.ARPA
Path: utzoo!linus!philabs!cmcl2!lanl!jhk
From: jhk@lanl.ARPA
Newsgroups: net.micro.apple
Subject: Hard Disk for the Apple //c
Message-ID: <31510@lanl.ARPA>
Date: Mon, 7-Oct-85 13:19:26 EDT
Article-I.D.: lanl.31510
Posted: Mon Oct 7 13:19:26 1985
Date-Received: Wed, 9-Oct-85 06:03:54 EDT
Distribution: net
Organization: Los Alamos National Laboratory
Lines: 2

Does anyone know of a hard disk that can be used with the Apple //c. Can
such a disk be hooked into the spare floppy disk port of the system?

From -9064877823289186552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7161c6c1e96245b

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 12:31:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site vu45.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!vu44!vu45!wilcke
From: wilcke@vu45.UUCP (s)
Newsgroups: net.micro.apple
Subject: Re: Termcap apple
Message-ID: <265@vu45.UUCP>
Date: Mon, 7-Oct-85 15:31:11 EDT
Article-I.D.: vu45.265
Posted: Mon Oct 7 15:31:11 1985
Date-Received: Thu, 10-Oct-85 05:48:47 EDT
References: <1235@daemen.UUCP>
Reply-To: wilcke@vu45.UUCP (PUT YOUR NAME HERE)
Distribution: net
Organization: VU Informatica, Amsterdam
Lines: 79

In article <1235@daemen.UUCP> malutza@daemen.UUCP (Sure Lock) writes:
>*** REPLACE THIS LINE WITH YOUR MESSAGE ***
>
>
>Help!!!. There several people at this college that dialup with
>an apple (//,+,//e,//c or ///),but our apple termcap here seems
>to be obsolete. So is there any one who has a updated termcap
>for an apple computer?? . If one wonders we have a vax 11/750,
>here at Daemen College.
>   Roman S Malutza
>
>Ps.Urgent call ,Please send the termcap,as soon as someone lays
>a hand(eye) on one,and mail it.
>--
>
>   Roman Malutza,Leroy Kiefer and Kieth Lemberg
>
>UUCP: {decvax,dual,watmath,fredonia,rockvax,roskanne}!sunybcs!daemen!malutza

[Put your Apple where your mouth is]

Almost every time I look in net.micro.apple, I find people asking questions about how to get an Apple to talk to a Unix-system. I once had the same problem, so I started collecting termcaps for the Apple, only to find that most of them didn't work as expected. The problem seems to reside in the terminal driver in the Kernel. Different computers have different Kernels, so the best thing to do is to talk to your local terminal/Kernel guru and let him/her have a look at the following termcaps.

The one I have found working best, both on a PDP 11/45 and on a VAX, is the 'ap' entry. I use this entry together with Ascii Express Pro 4.20, with incoming and outgoing

terminals both on 0, emulation On.

I hope this will be of any help to those of you who are still searching.

----------< CUT HERE >----------

```
# The modem interface is permitted to discard LF (maybe DC1), otherwise
# passing characters to the 80-column firmware via COUT (PR#3 assumed).
# Auto-wrap does not work right due to newline scrolling delay, which also
# requires that you set "stty cr2".
# Note: Cursor addressing is only available via the Pascal V1.1 entry,
# not via the BASIC PR#3 hook.  All this nonsense can be avoided only by
# using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
        :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
        :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:\
        :so=^O:sr=^V:up=^_:bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
        :cm=^^%r%+ %+ :tc=apple2e:
#This entry assumes that you are using an apple with the UCSD Pascal
#language card.  SYSTEM.MISCINFO is assumed to be the same as that
#supplied with the standard apple except that screenwidth should be set
#using SETUP to 80 columns.  Note that the right arrow in not mapped in
#this termcap entry.  This is because that key, on the Apple, transmits
#a ^U and would thus preempt the more useful "up" function of vi.
M0|apple|apple80|80-column apple with Pascal card:\
        :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
        :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
M0|apple40|40-column apple with Pascal card:\
        :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
        :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
M0|ap-vm80|apple with viewmax-80:\
        :bs:co#80:li#24:up=^_:nd=^\\:ce=^]:cl=300^L:cd=300^K:\
        :ho=200^Y:cm=100\036%+ %+ :
M0|aepro|Apple II+ running ASCII Express Pro--vt52:\
        :bs:co#80:li#24:up=\EA:nd=\EC:ce=\EK:\
        :cl=300^L:cd=\EJ:ho=\EH:cm=\EY%+ %+ :
A8|apple80| apple][ 80 collums:\
        :co=80:li=24:cl=^L:is=4^Z0^Y:cd=^]:ce=\EE:\
        :do=^J:ho=^Y:nd=^U:up=\ED:bs:cm=2\036%+31\200%+31:bw:am:\
        :as=^Z3:ae=^Z2:
```


```
From 1929451279135305900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 13:32:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
```

Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gitpyr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gatech!gitpyr!lbg
From: lbg@gitpyr.UUCP (Lee B Grey, Programmer Extraordinaire)
Newsgroups: net.games,net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <854@gitpyr.UUCP>
Date: Mon, 7-Oct-85 16:32:41 EDT
Article-I.D.: gitpyr.854
Posted: Mon Oct 7 16:32:41 1985
Date-Received: Tue, 8-Oct-85 04:25:53 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP> <3658@dartvax.UUCP>
Distribution: net
Organization: Georgia Institute of Technology
Lines: 21
Xref: watmath net.games:2226 net.micro.apple:2206

In article <3658@dartvax.UUCP>, holly@dartvax.UUCP (Holly Cabell) writes:
> > A few months ago, I got something in the mail from a company
> > in Washington (I think). They were offering Wordstar for the
> > Apple for $165, and "throwing in" a 6MHz CP/M card complete with
> > 64K RAM and a 70-column function on the same card.
>
> I wasn't aware that Wordstar was a game ..
> --
> --johnc at [the.world] ! dartvax ! holly

Gees, are you guys strict! Actually, the cross-posting happened
by accident. I used f (follow-up) to add this message, not
realizing that the message I randomly picked to follow-up to
had been posted to net.games as well as net.apple.

My apologies to everyone who has lost sleep, money, pease-of-mind,
or karma, due to my horrendous blunder. I am not worthy to lick
the underside of a toad.

Lee Grey
Cross-Poster Extraordinaire

From -5535197063168907706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,d2b102f7d6714c4c
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 13:34:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gitpyr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gatech!gitpyr!lbg
From: lbg@gitpyr.UUCP (Lee B Grey, Programmer Extraordinaire)
Newsgroups: net.games,net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <855@gitpyr.UUCP>

Date: Mon, 7-Oct-85 16:34:36 EDT
Article-I.D.: gitpyr.855
Posted: Mon Oct 7 16:34:36 1985
Date-Received: Tue, 8-Oct-85 04:26:07 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP> <3658@dartvax.UUCP>
Distribution: net
Organization: Georgia Institute of Technology
Lines: 1
Xref: watmath net.games:2227 net.micro.apple:2207

Bye thu whey, I no howe to spel "piece," as in "peace-of-mind."

From 2672315174564967577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 14:15:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site gitpyr.UUCP
Path: utzoo!watmath!clyde!cbosgd!gatech!gitpyr!lbg
From: lbg@gitpyr.UUCP (Lee B Grey, Programmer Extraordinaire)
Newsgroups: net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <856@gitpyr.UUCP>
Date: Mon, 7-Oct-85 17:15:15 EDT
Article-I.D.: gitpyr.856
Posted: Mon Oct 7 17:15:15 1985
Date-Received: Tue, 8-Oct-85 04:29:51 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP> <3658@dartvax.UUCP>
<855@gitpyr.UUCP>
Distribution: net
Organization: Georgia Institute of Technology
Lines: 8
Summary: A quick summary to the $165 Wordstar card

The response I got from about 20 different people amounted to this:

The company (BroadReach) and the product are for real and excellent.
The only problem is the 70-column feature which is apparently close
to illegible, since everyone suggested getting an 80-column card to
go with it.

Thanks to everyone who responded. I'm going to go for it.

From 8425950972979716142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7161c6c1e96245b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 16:35:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA

Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Termcap apple
Message-ID: <1969@brl-tgr.ARPA>
Date: Mon, 7-Oct-85 19:35:15 EDT
Article-I.D.: brl-tgr.1969
Posted: Mon Oct 7 19:35:15 1985
Date-Received: Wed, 9-Oct-85 06:33:34 EDT
References: <1235@daemen.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 9

> Help!!!. There several people at this college that dialup with
> an apple (//,+,//e,//c or ///),but our apple termcap here seems
> to be obsolete. So is there any one who has a updated termcap
> for an apple computer??

Forget it; without a working "cr" capability, most screen-oriented
programs are useless on the Apple II. If you are using software
that emulates something else, you avoid this problem; in which case,
set TERM= whatever terminal is being emulated (often vt52 or vt100).

From 1985355326203637744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ced1cdc7750f356,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 17:20:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.ARPA
Path: utzoo!linus!decvax!decwrl!ucbvax!ucbzooey!c50p-at
From: c50p-at@ucbzooey.BERKELEY.EDU (Jonathan Dubman)
Newsgroups: net.micro.apple
Subject: Videoterm/Ultraterm Questions
Message-ID: <10574@ucbvax.ARPA>
Date: Mon, 7-Oct-85 20:20:34 EDT
Article-I.D.: ucbvax.10574
Posted: Mon Oct 7 20:20:34 1985
Date-Received: Wed, 9-Oct-85 04:21:08 EDT
Sender: usenet@ucbvax.ARPA
Reply-To: c50p-at@ucbzooey.BERKELEY.EDU (Jonathan Dubman)
Distribution: net
Organization: University of California, Berkeley
Lines: 17
Keywords: videx, ultraterm, videoterm, 80 column

I am purchasing a Videx Ultraterm for use with my Apple II Plus revision 4.
I have three main intentions in mind: Calling up a UNIX system,word
processing, and 6502 programming, all in 80 column. I need suggestions for
a word processor and a terminal program compatible with the Novation Apple
Cat II modem. Right now I use COM-WARE II for a terminal program, but that's

not too sophisticated (It would be nice to emulate a terminal like a VT100).

An added bonus would be the ability to use the full 160 or so columns
and the 48 lines of the Ultraterm. (I am aware that you can't have 160 across
and 48 down simultaneously.)

Also, if you have any comments/suggestions about the Ultraterm in general,
send mail.

      "Do not insult an alligator until you have crossed the river"
                                - Phil A. O'Fish
      Alternate address: ucbvax!ucbzooey!c50p-at

From -1074240721101549539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,1f6769436bc7dcca
X-Google-Attributes: gid152df8,public
X-Google-Thread: 129c11,1f6769436bc7dcca
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1f6769436bc7dcca
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-07 21:58:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gumby.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!gumby!kucharsk
From: kucharsk@gumby.UUCP
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Steve Jobs versus his child
Message-ID: <468@gumby.UUCP>
Date: Tue, 8-Oct-85 00:58:38 EDT
Article-I.D.: gumby.468
Posted: Tue Oct 8 00:58:38 1985
Date-Received: Thu, 10-Oct-85 06:01:05 EDT
References: <159@l5.uucp> <456@gumby.UUCP> <323@bcsaic.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 35
Xref: linus net.micro:11053 net.micro.mac:2865 net.micro.apple:1913

> >> Any comments on the Steve Jobs fiasco? Personally, I'm rooting for
> >> Jobs. If Apple has become a big dumb company, its good employees
> >> should be ENCOURAGED to go off and form startup(s), where they can do
> >> good things for society instead of battling petty departmental
> >> politics. In recent Apple moves (firing Jobs, hassling him afterward)
> >> bigness and dumbness are certainly evident.
> >>
> >
> >In the category of terminal bigness, dumbness, and arrogance: Jobs'
> >enthusiasm for closed architecture, and his insistence that the only
> >developers Apple would give the time of day to were the big ones
> >(Microsoft, Lotus, etc.), takes a bigger cake than anything done by
> >the surviving Apple management.
> >

> >According to John Sculley, the man who tossed Jobs, the next generation
> >of Apple machines will have an open architecture, and Apple will be
> >immediately working to improve its relations with, and support for,
> >third party developers. Sounds good to me.
>
> Ditto. However unfortunate the circumstances were that led to Jobs'
> dismissal, the fact remains that he attempted to target the business
> market with the Mac without listening to what business users wanted.
> Apple management appears willing now to opening the Mac's architecture,
> a move which will certainly improve the Mac's market potential.
>
>
> -----
>   Stuart Gove
>   Boeing Computer Services
>
> "I was a narrator for bad mimes." -- Steven Wright

Personally, I wish Mr. Jobs all the luck in the world. Apple was started to
get computers to the people, and now they're just a business, like everyone
else. Too bad.

From 4239418803376138590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,7e756059a7206596,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,7e756059a7206596,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7e756059a7206596,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-10-08 06:47:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihwpt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihwpt!wiso
From: wiso@ihwpt.UUCP (Jack Wisowaty)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: Imagewriter for sale
Message-ID: <503@ihwpt.UUCP>
Date: Tue, 8-Oct-85 09:47:01 EDT
Article-I.D.: ihwpt.503
Posted: Tue Oct 8 09:47:01 1985
Date-Received: Sat, 12-Oct-85 13:30:39 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 8
Xref: watmath net.micro:12289 net.micro.apple:2215 net.micro.mac:2886

New Imagewriter printer by Apple. The manufacturer's warranty lasts until
December. I have cables to connect it to a Macintosh, but it can be used
with other computers through a serial card. $400/best offer.

Jack Wisowaty

ihnp4!ihwpt!wiso
(312)979-3098 (days)
(312)961-0241 (eves)

From -3520971865354218055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7161c6c1e96245b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-08 07:43:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site daemen.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!rocksanne!sunybcs!daemen!malutza
From: malutza@daemen.UUCP (Sure Lock)
Newsgroups: net.micro.apple
Subject: Termcap apple
Message-ID: <1244@daemen.UUCP>
Date: Tue, 8-Oct-85 10:43:36 EDT
Article-I.D.: daemen.1244
Posted: Tue Oct 8 10:43:36 1985
Date-Received: Sat, 12-Oct-85 05:33:45 EDT
Distribution: net
Organization: Daemen College, Computer Science Department, Buffalo, NY
Lines: 21

Help!!!. There several people at this college that dialup with
an apple (//,+,//e,//c or ///),but our apple termcap here seems
to be obsolete. So is there any one who has a updated termcap
for an apple computer?? . If one wonders we have a vax 11/750,
here at Daemen College.
                                        Roman S Malutza

Ps.Urgent call ,Please send the termcap,as soon as someone lays
a hand(eye) on one,and mail it.
--
^*^*^*

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!sdcrdcf!
sdcsvax!sdcc3!sdcc6!loral!hlb
From: hlb@loral.UUCP
Newsgroups: net.micro.apple
Subject: RGB cards for //e
Message-ID: <935@loral.UUCP>
Date: Tue, 8-Oct-85 11:34:46 EDT
Article-I.D.: loral.935
Posted: Tue Oct 8 11:34:46 1985
Date-Received: Tue, 15-Oct-85 11:10:12 EDT
Lines: 17

Does anyone have experience with an AE RAMWORKS w/ RGB option ?
If so, how is the color quality with respect to text on a hi-res
picture ?

Is the new Color Enhancer by Video-7 better ? They have an
interesting ad in Oct. 85 A+ Magazine.

If you have used either I'd be interested in your comments by mail.
Thank you.

UUCP: {ucbvax, ittvax!dcdwest, akgua, decvax, ihnp4}!sdcsvax!sdcc3!loral!hlb
-or-   {ihnp4, cbosgd, sdcsvax, noscvax}!crash!hlb
ARPA: crash!hlb@ucsd
       crash!hlb@nosc

From 9040786260641805035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2b102f7d6714c4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-09 11:05:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!sdcrdcf!
sdcsvax!sdcsla!hestenes
From: hestenes@sdcsla.UUCP (Eric Hestenes)
Newsgroups: net.micro.apple
Subject: Re: CP/M, 70 column card and Wordstar for $165?!?!?
Message-ID: <997@sdcsla.UUCP>
Date: Wed, 9-Oct-85 14:05:28 EDT
Article-I.D.: sdcsla.997
Posted: Wed Oct 9 14:05:28 1985
Date-Received: Tue, 15-Oct-85 11:20:34 EDT
References: <778@nmtvax.UUCP> <831@gitpyr.UUCP> <3658@dartvax.UUCP>
<855@gitpyr.UUCP> <856@gitpyr.UUCP>
Distribution: net

Organization: U.C. San Diego, Cognitive Science Lab
Lines: 10

> The company (BroadReach) and the product are for real and excellent.

Could you post an address or phone number of this place, if the price
is still just $165.

eric

Eric Hestenes
arpanet: hestenes@nprdc.ARPA
other: ucbvax!sdcsvax!sdcsla!hestenes or hestenes@sdcsla.UUCP

From 6889325288655502126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,675422e8a4c9b4b3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-09 11:56:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtp47.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!rti-sel!rtp47!throopw
From: throopw@rtp47.UUCP (Wayne Throop)
Newsgroups: net.micro.apple
Subject: Rockwell R65F11
Message-ID: <211@rtp47.UUCP>
Date: Wed, 9-Oct-85 14:56:17 EDT
Article-I.D.: rtp47.211
Posted: Wed Oct 9 14:56:17 1985
Date-Received: Sat, 12-Oct-85 19:24:02 EDT
Organization: Data General, RTP, NC
Lines: 25

I noted that in the October Dr.Dobbs the editorial says

    "Rockwell fit a good chunk of Forth into its R65F11 chip, along with
     the 6502 instruction set."

Now, can anyone tell me

  - What is a "good chunk of Forth"? (I am interested in whether this
    "good chunk" might be a better target for a compiler than regular
    old 6502 instructions.)
  - Is the "6502 instruction set" on this chip compatible enough with
    the "regular" flavor to run Apple software (such as DOS, the
    monitor, Applesoft, etc)?
  - Is the chip hardware (just-plug-in) compatible with an Apple II (not
    II+, IIe, IIc, or any other II-mumble... just an old, decrepit,
    obsolete, antique, (mostly) unmodified Apple II.
  - Is the R65F11 the "same thing" as the 6511EAB mentioned in message
    <42@noscvax.UUCP>? If so, the above questions apply to the
    "6511EAB" as an alternative to the R65F11. If not, are the two

things related at all?

If nobody knows, does anyone know a likely source to write for this information? Any help will be greatly appreciated.
--
Wayne Throop at Data General, RTP, NC
<the-known-world>!mcnc!rti-sel!rtp47!throopw

From -6131983143317272692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae5858253aba9777
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-09 12:17:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site spar.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ucbvax!decvax!decwrl!spar!maciag
From: maciag@spar.UUCP (Chris Maciag)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <585@spar.UUCP>
Date: Wed, 9-Oct-85 15:17:08 EDT
Article-I.D.: spar.585
Posted: Wed Oct 9 15:17:08 1985
Date-Received: Sat, 12-Oct-85 16:40:49 EDT
References: <2766@vax4.fluke.UUCP>
Reply-To: maciag@max.UUCP (Chris Maciag)
Distribution: net
Organization: Schlumberger Palo Alto Research, CA
Lines: 30

Wordstar is the best word processor for the Apple, but, you will have to get a Z80 card. Why is it better?

1) It is not protected: This means that it is possible to install for any type of printer, display etc.

2) There are many third party programs and tutorials for wordstar (like footnote, pair etc.).

3) Wordstar can be run on thousands of machines. With such a large market, Micropro could afford to put much more money into development than a maker of a "just apple" word processor.

4) Wordstar is not as hard as people claim. Sure, it is VERY powerful, and some of these powerful features are hard, but it is easy to learn enough for a school paper. (then again, I always thought unix was easy.

5) In this case, with high school students, wordstar would be the best to learn. Wordstar is a common program on college micros, so they will not have to learn another word processor.

I hace no recomendations for daisy wheel printers, but, beware. Unless
you want to spend a lot of money, you will get a very slow printer.
Also, wordstar is easy, but the installation is not if you have bizzare
equipment. I suggest a printer that emulates one that wordstar supports
(like the diablo 1610). However, it is possible to install any printer.
I have a Morrow (actaully a smith corona I think) that emulates a 1610.
I also have an Epson, because the daisy wheel is so slow.

-Chris

From -7220339148472641867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3233e52dda1b3e75,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-10 06:28:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site iwu1c.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!iwu1c!wodarz
From: wodarz@iwu1c.UUCP (Wodarz)
Newsgroups: net.micro.apple
Subject: Apple numeric keypad wanted.
Message-ID: <269@iwu1c.UUCP>
Date: Thu, 10-Oct-85 09:28:21 EDT
Article-I.D.: iwu1c.269
Posted: Thu Oct 10 09:28:21 1985
Date-Received: Sat, 12-Oct-85 16:26:40 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 10

I am in the market for a numeric keypad for my Apple //e. I
have not been able to find many ads in recent magazines so I don't know what is
available or what the price range is. Any recommendations etc. would be
appreciated. If you have a used one available I would like to know about that as
well.   Thanks,
                              D. Wodarz
                                 !ihnp4!iwu1c!wodarz
--

                        Dennis Wodarz
                        ihnp4!iwu1c!wodarz
                        312+979-7971

From -6475076658169889232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0cad8b9f5fe6263,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-10 10:11:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site srs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!

decvax!ucbvax!ucdavis!lll-crg!seismo!rochester!srs!forrest
From: forrest@srs.UUCP (Forrest Durett)
Newsgroups: net.micro.apple
Subject: Need Help With Apple IIE
Message-ID: <170@srs.UUCP>
Date: Thu, 10-Oct-85 13:11:31 EDT
Article-I.D.: srs.170
Posted: Thu Oct 10 13:11:31 1985
Date-Received: Mon, 14-Oct-85 06:25:43 EDT
Distribution: net
Organization: S.R. Systems, Rochester NY
Lines: 35

I am currently writing a program for a friend in the ROM Basic on the Apple IIE and I am in need of a little help on a few things. I am a little familiar with the Apple IIE and only slightly more familiar with the Rom Basic that is included with the machine. First, I would like to be able to trap any control characters inside the program which would halt execution (such as CNTL C) of the program so that the program can be exited gracefully. Is this possible and if so can someone enlighten me as to how? Second, has anyone heard of or posses some kind of "down-loading" program which will take a Basic program and convert it to machine code? I would appreciate any help that I receive on these two matters. Currently I haven't a clue on either one. Please respond by mail to me. Thank You.

-_-_-_-_-_-_-__-
-   -
-                                    Forrest Durett   -
-    ...{allegra,seismo}!rochester!srs!forrest   S.R. Systems
     -
-                                Rochester, NY   -
-   -
-_-_-_-_-_-_-__-

From -7580577796923048693
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,55463669ef6330e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-10 13:13:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site vu45.UUCP
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!gymble!umcp-cs!seismo!mcvax!vu44!
vu45!wilcke
From: wilcke@vu45.UUCP (Kees Huyser)
Newsgroups: net.micro.apple
Subject: 80 columns Kermit for Apple needed.
Message-ID: <267@vu45.UUCP>
Date: Thu, 10-Oct-85 16:13:40 EDT
Article-I.D.: vu45.267
Posted: Thu Oct 10 16:13:40 1985
Date-Received: Sat, 12-Oct-85 07:40:34 EDT
Reply-To: wilcke@vu45.UUCP (Kees Huyser)
Organization: Apple User Group Amsterdam
Lines: 18

[replace this line with a beautiful thought]

I am looking for an Apple Kermit which will support
the Apple //e extended 80 column board. The kermit I
have now works only in 40 columns, and this makes my
eyes look like tomatoes after an hour or so.

If you have what I'm looking for, please mail to me.
If, and when I get the Kermit, I will repost it to
the net.

Thanks in advance,

Kees Huyser

From 2422931157727354171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c24179701597368
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-10 17:56:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!linus!decvax!ittatc!dcdwest!sdcsvax!sdcc3!sdcc6!ix469
From: ix469@sdcc6.UUCP (david smith)
Newsgroups: net.micro.apple
Subject: Re: Hard Disk for the Apple //c
Message-ID: <2236@sdcc6.UUCP>
Date: Thu, 10-Oct-85 20:56:23 EDT
Article-I.D.: sdcc6.2236
Posted: Thu Oct 10 20:56:23 1985

Date-Received: Sat, 12-Oct-85 06:37:06 EDT
References: <31510@lanl.ARPA>
Reply-To: ix469@sdcc6.UUCP (david smith{|ix})
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 12

The only hard disk for the IIc that I know of is the QC10 from
Quark. They've got ads in almost everything.

==========
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

All opinions expressed herein are strictly the products of my
automated posting facility and have no affiliation with myself, my
employers or my cat.

From 2232029622565923814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0f8761c2b83b0ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-12 14:16:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site usl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!akgub!usl!rww
From: rww@usl.UUCP (Robert W. Walsh)
Newsgroups: net.micro.apple
Subject: smarterm
Message-ID: <651@usl.UUCP>
Date: Sat, 12-Oct-85 17:16:10 EDT
Article-I.D.: usl.651
Posted: Sat Oct 12 17:16:10 1985
Date-Received: Mon, 14-Oct-85 06:06:01 EDT
Organization: USL, Lafayette, LA
Lines: 13

Has anyone delved into using the Smarterm 80 column board for the Apple][+?
I especially need information on how to access the screen memory, and
information on the card's routine entry vectors.

                        Thanks,
--

                                        Robert Walsh
ut-sally \   University of Southwestern Louisiana
          !usl!rww
  akgua /

From 7792749321087592890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ab8e85c933e4cddc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-12 17:42:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!rocksanne!sunybcs!ugzannin
From: ugzannin@sunybcs.UUCP (Adrian Zannin)
Newsgroups: net.micro.apple
Subject: accounting for the apple IIe
Message-ID: <2384@sunybcs.UUCP>
Date: Sat, 12-Oct-85 20:42:47 EDT
Article-I.D.: sunybcs.2384
Posted: Sat Oct 12 20:42:47 1985
Date-Received: Tue, 15-Oct-85 07:37:20 EDT
Distribution: net
Organization: SUNY/Buffalo Computer Science
Lines: 23

I'm looking for someone who can help me in locating a copy of the integrated
accounting packages from electronic arts. it is a 4 part package i"m
mainly interested in 2 parts, general ledger and accounts recievable.
I also need the full documentation for these programs. willing to trade
software or whatever.

home address:
              j.mitchell
              1929 webb rd.
              grand island, n.y. 14072

phone:
              (716)773-3478

or reply via e-mail

--
     Adrian Zannin
..{bbncca,decvax,dual,rocksvax,watmath,sbcs}!sunybcs!ugzannin
CSNET: ugzannin@Buffalo.CSNET
ARPANET: ugzannin%Buffalo@csnet-relay.ARPA
BITNET: ugzannin@sunybcs.BITNET

From -8689810552149722203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-12 21:02:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale
Message-ID: <912@utcs.uucp>
Date: Sun, 13-Oct-85 00:02:58 EDT
Article-I.D.: utcs.912
Posted: Sun Oct 13 00:02:58 1985
Date-Received: Sun, 13-Oct-85 03:58:15 EDT
References: <4368@alice.UUCP> <1845@brl-tgr.ARPA> <819@umn-cs.UUCP>
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Organization: University of Toronto
Lines: 15
Summary:

In article <819@umn-cs.UUCP> goldman@umn-cs.UUCP (Matthew D. Goldman) writes:
>In article <1845@brl-tgr.ARPA> gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>) writes:
>>Hardware and software "for sale" postings are totally
>>inappropriate. This is NOT a BBS; it is a newsgroup
>>that is gatewayed into the Internet, where commercial
>>solicitation is prohibited. Please restrain postings
>>to information exchange.
>
>Doug, kindly go soak your cpu in a lake. I'm a reader who is intrested
>in for sale postings...

I think the idea is that "for sale" postings should not be posted to overseas,
is it not? (This inference is from the fact that there is a na.forsale group.)
So if you are going to offer software for sale, just restrict the distribution
to na. Or even less, if appropriate.

From -3061246162548707412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff0665a6fb51bd07,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-12 23:06:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcs!utcsstat!anthony
From: anthony@utcsstat.UUCP (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <2254@utcsstat.UUCP>
Date: Sun, 13-Oct-85 02:06:16 EDT
Article-I.D.: utcsstat.2254
Posted: Sun Oct 13 02:06:16 1985
Date-Received: Sun, 13-Oct-85 04:58:14 EDT
References: <776@decwrl.UUCP>
Organization: U. of Toronto, Canada
Lines: 14

To: utcs!utzoo!watmath!clyde!burl!ulysses!ucbvax!decwrl!dec-rhea!dec-dosadi!binder
Subject: Re: Suggestions solicited for printer and WP software for Apple][
References: <776@decwrl.UUCP>

dick, i would be interested in knowing how you "creatively" get around the problem of control characters (for the printer) being counnted during line fill-in.

many thanks. anthony.
--

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From 5054837855800267817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f4d3e1a52858ba9e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-14 01:05:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!umn-cs!isucs1!notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: need apple//e replacement keyboard
Message-ID: <461@isucs1.UUCP>
Date: Mon, 14-Oct-85 04:05:34 EDT
Article-I.D.: isucs1.461
Posted: Mon Oct 14 04:05:34 1985
Date-Received: Thu, 17-Oct-85 00:21:12 EDT
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 42
Nf-ID: #R:hou2a:-65700:isucs1:9900008:000:1958
Nf-From: isucs1!shaver   Oct 4 12:45:00 1985

[Bob's Beer]

Mark H. Mortensen [houu2a!9212mhm] sez:

> My Apple //e keyboard has been giving me trouble --
> [...]
> it seems that I have the choice of either
> replacing the bad keyswitches or getting a replacement
> keyboard. But my Apple dealer will not sell me a
> replacement keyboard (their contract with Apple will
> not allow it, they tell me -- but they would be happy
> to repair it for a minimum of $90 plus parts and labor).

I would say the your Apple dealer is FULL of it! You should be able to purchase ANY parts, boards, etc via your local Apple dealer.

Sounds to me as if your dealer is just RIPPING PEOPLE OFF! [I should add that if this _IS_ Apple policy, then I'm sorry -- >ALL< the dealers I have EVER dealt with will sell parts, swap boards etc to their costumers.]

>   2 - Does anyone know what kind of keyswitches are
>   used in the //e keyboard [...]

     In limited experience with fixing keyboard switches I found there were basicly 3 kinds of Apple Keyboards: The OLD][keyboards {the version with the copper pads that touch when you press a key}, the //e keyboard {it has 'micro-switches' that are individually replaceable}, and one that uses slightly different micro-keyswitches.

     These micro-keyswitches are CHEAP. [read ~$0.45] To install them takes no time at all and it's real easy. I once broke a key-cap stem on my OLD][+ keyboard. {The one with the copper pads} I tore it out and took it into the local dealer. Problem was that Apple has not been making parts for the 'pad' keyboard for quite sometime. Thus I had to "swap" the keyboard for a new one. The cost was ~$50.00. At the time I swapped by keyboard, I bought 10 or so keyswitches for the new keyboard -- just in case Apple decided not to support my new keyboard I had just swapped to get!

 >>>
/// Dave Shaver -=*=- Located at Iowa State University -- Ames, IA
\\\ UUCP: {okstate||umn-cs||csu-cs}!isucs1!shaver   CSNET: shaver@iowa-state
 >>>

From 5470395253950123936
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b495a0c780c3ee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-14 12:27:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!linus!philabs!ttidca!ttidcc!regard
From: regard@ttidcc.UUCP (Adrienne Regard)
Newsgroups: net.micro.apple
Subject: APPLE - help notice thanks
Message-ID: <759@ttidcc.UUCP>
Date: Mon, 14-Oct-85 15:27:24 EDT
Article-I.D.: ttidcc.759
Posted: Mon Oct 14 15:27:24 1985
Date-Received: Tue, 15-Oct-85 07:31:23 EDT
Organization: TTI, Santa Monica, CA.
Lines: 12

To everyone who sent help to my poor friend who crashed her Apple disk, which contained never-printed text that she badly needed:

Much thanks. I've forwarded the information to her, and she is taking action as befits her abilities. She and I were gratified at the level

of response and helpfulness from the net. I attempted to answer each letter with personal thanks, but got a couple "uucp" copy fail messages, so I know they didn't all get through. Please know that we tried to reach you all to say thanks.

Adrienne Regard

From 7883553524500556939
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff0665a6fb51bd07
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-14 13:30:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site uthub.UUCP
Path: utzoo!utcsri!utai!uthub!goldste
From: goldste@uthub.UUCP (Jack Goldstein)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <229@uthub.UUCP>
Date: Mon, 14-Oct-85 16:30:04 EDT
Article-I.D.: uthub.229
Posted: Mon Oct 14 16:30:04 1985
Date-Received: Mon, 14-Oct-85 17:26:59 EDT
References: <776@decwrl.UUCP>
Organization: CSRG, University of Toronto
Lines: 8

    I've used both Apple Writer][and Wordstar quite a bit. I don't think either one compares to vi (as an editor) but, between the two of them, I definitely prefer WordStar. Apple Writer has a number of odd features which make it awkward to use.

                    Jack Goldstein
                    utcsri!uthub!goldste

From 3386930341861620372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff0665a6fb51bd07
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-14 20:08:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site meccts.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!meccts!ahby
From: ahby@meccts.UUCP (Shane P. McCarron)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <241@meccts.UUCP>
Date: Mon, 14-Oct-85 23:08:52 EDT
Article-I.D.: meccts.241
Posted: Mon Oct 14 23:08:52 1985

Date-Received: Wed, 16-Oct-85 04:48:59 EDT
References: <776@decwrl.UUCP>
Reply-To: ahby@meccts.UUCP (Shane P. McCarron)
Organization: MECC Technical Services, St.Paul, MN
Lines: 29
Summary:

In article <776@decwrl.UUCP> binder@dosadi.DEC (No matter where you go, there you are.) writes:
>There still aren't a whole lot of WPs around for the Apple][and // machines
>that are better than Applewriter. For a][+, Applewriter][, and for a //e or
>//c, Applewriter 2.0 would be my recommendations.

Although Applewriter is a pretty powerful word processor, I find it much harder to use than AppleWorks. The word processor within AppleWorks has most of the features found in Applewriter, but is more friendly and easier to understand. The interface is very intuitive - you just sort of type and things happen.

The printer interface is by far the best I have seen in any product for the Apple. It knows about all sorts of printers and cards, but if you have one which isn't there, you can define a custom printer and give it all the special codes it needs. Also, AppleWorks has a database and a spreadsheet built in. For my personal use, I find the spreadsheet to be useful - It would probably even be powerful enough for a small business.

All in all, AppleWorks is an excellent package. It only functions on the //e, //e+, and //c - but that's what most Apple owners have anyway.

--

Shane P. McCarron
Minnesota Educational Computing Corporation - Technical Services

UUCP ihnp4!dicomed!meccts!ahby

From -2716326656228117202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9bc91824717501aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-14 22:40:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site birtch.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!decvax!ittatc!dcdwest!sdcsvax!sdcrdcf!trwrb!scgvaxd!felix!birtch!john
From: john@birtch.UUCP (John Pipkins x257)
Newsgroups: net.micro.apple
Subject: Smartmodem II for Apple Commands
Message-ID: <182@birtch.UUCP>
Date: Tue, 15-Oct-85 01:40:36 EDT

Article-I.D.: birtch.182
Posted: Tue Oct 15 01:40:36 1985
Date-Received: Sat, 19-Oct-85 07:46:55 EDT
Distribution: net
Organization: Birtcher, Santa Ana, Ca.
Lines: 7

Does anyone know the commands for a Hayes Smartmodem II? Seems my friend
has lost the instructions for using the modem. I specifcally need to
know how to make it answer the phone and how to make it hang up.

Thanks in advance
John Pipkins
...trwrb!scgvaxd!felix!birtch!john

From -3934110789231008156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df8dc7799b2138b7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-15 06:51:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP (Dave Newkirk)
Newsgroups: net.micro.apple
Subject: need Applesoft ROMs for Apple II (again)
Message-ID: <1631@ihuxl.UUCP>
Date: Tue, 15-Oct-85 09:51:53 EDT
Article-I.D.: ihuxl.1631
Posted: Tue Oct 15 09:51:53 1985
Date-Received: Thu, 17-Oct-85 00:25:51 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 6

My brother still needs a set of Applesoft Roms so he can run ProDOS
on his Apple II. We were going to get the Apple motherboard from JameCo,
but they don't sell it anymore. Is there any other source of ROMs besides
the costly Apple versions?
--
Dave Newkirk, ihnp4!ihuxl!dcn

From 5034017593707900515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13ba0e,f27d824b39d278a4,start
X-Google-Attributes: gid13ba0e,public
X-Google-Thread: 129c11,f27d824b39d278a4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,f27d824b39d278a4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 03:54:13 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecn-aa.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!ecn-pc!ecn-aa!morrism
From: morrism@ecn-aa.UUCP (Mitchell J Morrison)
Newsgroups: net.micro,net.micro.apple,net.periphs
Subject: PDQ Periph II
Message-ID: <79@ecn-aa.UUCP>
Date: Wed, 16-Oct-85 06:54:13 EDT
Article-I.D.: ecn-aa.79
Posted: Wed Oct 16 06:54:13 1985
Date-Received: Thu, 17-Oct-85 23:42:58 EDT
Reply-To: morrism@pur-ee.UUCP (Mitchell J Morrison)
Organization: Electrical Engineering Department , Purdue University
Lines: 38
Keywords: What & Where is it?
Xref: watmath net.micro:12378 net.micro.apple:2240 net.periphs:887

Hello again all.
I used to see an ad in A+ magazine for the PDQ Periphal 2. As I understood the ads, it basically reworked you Apple II+ into a workable v7 UNIX if all the options were picked up.
AS I remember, all the options included:

1. 1 Meg of workable memory.
2. 68000 microprocessor.
3. USCD F77, Pascal, Basic, and C compilers.
4. Unix v7 mutliuser system. (If put on Hard disk.)

Well, now I have some spare money, I want to experiment with this thing. However, the ads have disappered and I have no Idea what, who, or where this company is. And I would really like to find out.
If anyone can steer me in the right direction, please let me know via E-mail.
If I get enough responses, I will post a summary to the net.

Thanks for the help.

P.S. This should be for an Apple II+.

-morrism-

Mitchell J. Morrison Hacker/Programmer/Consultant at Large

UUCP: {decvax, ihnp4, seismo, ucbvax}!pur-ee!ecn-aa!morrism

USPS: 902 S. 9th St. Lafayette, IN 47905

Ma Bell: 317-423-2054 or 317-742-5259 (both voice)

What I say, think, & do are of my judgement & opinion. So nobody is to blame but me.

"Sleep is a state of mind. So I do without."

From 940993004544112789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 06:49:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale
Message-ID: <2178@brl-tgr.ARPA>
Date: Wed, 16-Oct-85 09:49:41 EDT
Article-I.D.: brl-tgr.2178
Posted: Wed Oct 16 09:49:41 1985
Date-Received: Fri, 18-Oct-85 20:44:46 EDT
References: <4368@alice.UUCP> <1845@brl-tgr.ARPA> <819@umn-cs.UUCP>
<912@utcs.uucp>
Organization: Ballistic Research Lab
Lines: 25

> In article <819@umn-cs.UUCP> goldman@umn-cs.UUCP (Matthew D. Goldman) writes:
> >In article <1845@brl-tgr.ARPA> gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>) writes:
> >>Hardware and software "for sale" postings are totally
> >>inappropriate. This is NOT a BBS; it is a newsgroup
> >>that is gatewayed into the Internet, where commercial
> >>solicitation is prohibited. Please restrain postings
> >>to information exchange.
> >
> >Doug, kindly go soak your cpu in a lake. I'm a reader who is intrested
> >in for sale postings...
>
> I think the idea is that "for sale" postings should not be posted to overseas,
> is it not? (This inference is from the fact that there is a na.forsale group.)
> So if you are going to offer software for sale, just restrict the distribution
> to na. Or even less, if appropriate.

No, the idea is that it is forbidden to use the Internet, which is
not a "common carrier", for direct commercial gain. The taxpayers
are footing the bill for it. Abuse can cause the loss of access
to the Internet.

Also, there are commercial "for sale" channels, many of which
specialize in listing hobbyist computer systems, often for free.
Why make hundreds of UUCP sites pay telephone bills to help you
make a buck, when there are more appropriate ways to sell things?

From -563564052530786025

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13ae71a2539e94bd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 07:57:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cca.UUCP
Path: utzoo!decvax!cca!rmeyer
From: rmeyer@cca.UUCP (Richard Meyer)
Newsgroups: net.micro.apple
Subject: TASC compiler question
Message-ID: <4552@cca.UUCP>
Date: Wed, 16-Oct-85 10:57:22 EDT
Article-I.D.: cca.4552
Posted: Wed Oct 16 10:57:22 1985
Date-Received: Thu, 17-Oct-85 19:18:45 EDT
Distribution: na
Organization: Computer Corp. of America, Cambridge
Lines: 30

I am using the TASC Applesoft compiler from Microsoft for a data analysis program that receives its input from an interrupt driven routine (written in assembly) that deposits the data in COMMON.

The following problem occurs: As soon as the compiled program executes a terminal I/O or high-resolution graphic statement (such as a PEEK to check for pending terminal input, or HPLOT), the program behaves unpredictably - usually it terminates with a garbled error message. The same program works just fine if executed by the Applesoft interpreter, or if the compiled program turns off the interrupt system during the execution of the 'sensitive' statements (unfortunately this is not an acceptable solution).

It appears that some of the runtime library routines of TASC interfere with interrupt processing, though I have no idea how. Base page conflicts can be ruled out -- the only base page location used during interrupts is location $45, which is not used by TASC (according to Microsoft documentation).

Questions:

1. Did anyone have to deal with a similar problem and found a way around it?

2. Does anyone know the cause?

3. If it is indeed the fault of the compiler, is there another Applesoft compiler that does not have that problem?

From 7473386595325942393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 08:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!uiucuxa!spk256
From: spk256@uiucuxa.CSO.UIUC.EDU
Newsgroups: net.micro.apple
Subject: Sider hard drive
Message-ID: <9800012@uiucuxa>
Date: Wed, 16-Oct-85 11:09:00 EDT
Article-I.D.: uiucuxa.9800012
Posted: Wed Oct 16 11:09:00 1985
Date-Received: Sat, 19-Oct-85 05:09:19 EDT
Lines: 8
Nf-ID: #N:uiucuxa:9800012:000:326
Nf-From: uiucuxa.CSO.UIUC.EDU!spk256   Oct 16 10:09:00 1985

  Hi everyone...Listen, I just got through looking at the
latest issue of Incider, and First Class Peripherals has
dropped the price of the 10 megabyte hard drive "Sider"
to $595!!! This makes it only $96 more expensive than the
new Unidisk 3.5! Here's your choice: an 800k drive for $499,
or a 10 meg drive for $595....

From 7803413076282903738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff0665a6fb51bd07
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 09:41:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site moncol.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!petsd!moncol!ben
From: ben@moncol.UUCP (Bennett Broder)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <534@moncol.UUCP>
Date: Wed, 16-Oct-85 12:41:36 EDT
Article-I.D.: moncol.534
Posted: Wed Oct 16 12:41:36 1985
Date-Received: Fri, 18-Oct-85 00:19:33 EDT
References: <241@meccts.UUCP>
Organization: Monmouth College, West Long Branch, NJ 07764
Lines: 10

>All in all, AppleWorks is an excellent package. It only functions on
>the //e, //e+, and //c - but that's what most Apple owners have
>anyway.

Not quite true. Videx sells a preboot disk that allows Appleworks
to be used on an Apple II or Apple II Plus with a Videx 80 column

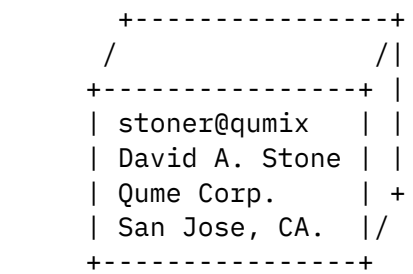
card.

Ben Broder

From 8729586249896755857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff0665a6fb51bd07
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 13:10:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!utcs!lsuc!pesnta!qumix!stoner
From: stoner@qumix.UUCP (Dave Stone)
Newsgroups: net.micro.apple
Subject: Re: Suggestions solicited for printer and WP software for Apple][
Message-ID: <1061@qumix.UUCP>
Date: Wed, 16-Oct-85 16:10:58 EDT
Article-I.D.: qumix.1061
Posted: Wed Oct 16 16:10:58 1985
Date-Received: Thu, 17-Oct-85 04:40:43 EDT
References: <776@decwrl.UUCP> <241@meccts.UUCP>
Organization: QUME:The Daisy Wheel Ranch & Terminal Farm
Lines: 22

> All in all, AppleWorks is an excellent package. It only functions on
> the //e, //e+, and //c - but that's what most Apple owners have
> anyway.
>
> --
>
> Shane P. McCarron
> Minnesota Educational Computing Corporation - Technical Services

Also I've seen several gizmos and gadgets available to use appleworks on
a II+



From -7354231534513474148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,53f69ee307d04f89,start
X-Google-Attributes: gid129c11,public

X-Google-Thread: 15e263,53f69ee307d04f89,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,53f69ee307d04f89,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 14:33:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.cpm,net.micro
Subject: (Apple CPM) AE Ramworks and PCPI Applicard questions
Message-ID: <609@sftig.UUCP>
Date: Wed, 16-Oct-85 17:33:44 EDT
Article-I.D.: sftig.609
Posted: Wed Oct 16 17:33:44 1985
Date-Received: Fri, 18-Oct-85 00:41:37 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 108
Xref: watmath net.micro.apple:2242 net.micro.cpm:4740 net.micro:12383

The following is the text of a letter I sent today to Applied Engineering about their Ramworks ramdisk driver for the PCPI Applicard CPM card for the Apple II series.

My question for the net is --

Does anybody have a fix for these problems?

Also, if Steven N. Hirsch is on the net (He appears to have been the author of the driver in question...) would he please get in touch with me.

Please respond by E-mail, if possible.

Thanks in advance

Rick Thomas
{ihnp4, akgua, most other backbone sites}!attunix!rbt
(201) 522-6062

October 16, 1985

Applied Engineering
PO Box 798
Carrollton Texas 75006

Dear Sirs:

I recently bought a copy of your ramdrive device driver for the Applied Engineering Ramworks(tm) board and the PCPI Applicard(tm).

I have noticed a couple of problems with it that I hope you will correct in later releases. I would also appreciate it if you could send me an appropriate patch for the release I have.

I am using it on an 'enhanced' Apple IIe, with an Applicard in slot 4, an Apple Super-Serial card in slot 1 for my serial printer, an Apple Duo-Disk in slot 6, and an Apple extended 80 column color card in the Auxiliary slot. I was told over the phone by your tech support people before I bought it, that the software would work with the Apple color card just as well as with the Ramworks card, though the resulting ramdrive would be small. In fact it does seem to work quite well. There is enough room in the ramdrive for a copy of Turbo Pascal, PIP, and a few other useful utilities, and even a small amount of scratch space left over. I have a small "SUBMIT" file on my boot disk that loads up the ramdrive with the things I want on it at system startup time. The feature of configuring the ramdrive as disk A: is really very nice!

The first problem is really quite trivial, and I would not mention it at all, except that I am already writing to you about the second problem. The first problem is that the "R" and "W" that are supposed to flash in the lower right corner of the screen, appear as mousetext instead of letters on my enhanced IIe. As I say, not a big problem, but something worth noting for future releases. Personally, I would have preferred to hear the speaker grumble a little bit when the ramdrive was working, instead of having one character of my screen be taken away from me, but that is a matter of preference. (After all, real disk drives make noise when they are doing something, why not the ramdrive too?)

The second problem is somewhat more serious. The README.WS file that comes on the same disk with the software warns of a potential conflict between the PCPI BUFFER.DVR printer driver and the ramdrive software over control of the first (in my case the only) bank of auxiliary memory. It says to "Be aware of this, and install accordingly." But it does not say what installing accordingly means. Is there an alternate printer driver that does not use the aux memory?
Or is there a patch to BUFFER.DVR to prevent it from using the aux memory. BUFFER.DVR works just fine without the auxiliary memory on machines without the extended 80-column card. It buffers in the leftover part of main memory. So it presumably could be patched to ignore aux memory altogether, but the README.WS file does not give a clue as to how to accomplish this.

With these questions in my mind, I said to myself, "nothing ventured, nothing gained." and decided to try it anyway. To my surprise, it seemed to work! I put things in the ramdrive, and got them back intact. I queued up several small files to the printer and could still use the ramdrive. The queued files printed fine. They were obviously not being overwritten by the stuff I put in the ramdrive.

So, OK, BUFFER.DVR must be using the leftover main memory first, and only going to the aux memory as a last resort. "Well," said I, "lets really load it up and watch it rip!" So I queued up a very large file to print that should have filled up the available main memory and sloshed over into the aux memory, then tried some ramdrive activity. Still OK! "Better and better!" said I, feeling really fine. But still, that warning in the README.WS file must have meant something! So I queued up a second copy of the same print file and about half way through it, the entire system hung. Everything stopped at once. I had to cold boot to clear it up.

So the conclusion is that if I am careful not to fill up the printer buffer too full, I can use it the way I have it configured. But it would be awfully nice to have some kind of patch that would keep it from hanging if I get careless and queue up too much printer output. Also, the README.WS file should be more explicit on the subject of "installing accordingly".

Sincerely,

Rick Thomas

From -3112647164694062594
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 15:02:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu.ARPA
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!seismo!rochester!pt.cs.cmu.edu!
ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu.ARPA (Ralph Hyre)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale (correction)
Message-ID: <215@ius2.cs.cmu.edu.ARPA>
Date: Wed, 16-Oct-85 18:02:05 EDT
Article-I.D.: ius2.215
Posted: Wed Oct 16 18:02:05 1985
Date-Received: Sun, 20-Oct-85 09:00:57 EDT
References: <4368@alice.UUCP> <1845@brl-tgr.ARPA> <819@umn-cs.UUCP>
<912@utcs.uucp>
Organization: Carnegie-Mellon University, CS/RI
Lines: 29

In article <912@utcs.uucp> flaps@utcs.UUCP (Alan J Rosenthal) writes:
>In article <819@umn-cs.UUCP> goldman@umn-cs.UUCP (Matthew D. Goldman) writes:
>>In article <1845@brl-tgr.ARPA> gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>) writes:
>>>Hardware and software "for sale" postings are totally
>>>inappropriate. This is NOT a BBS; it is a newsgroup
>>>that is gatewayed into the Internet, where commercial

>>>solicitation is prohibited...
>>
>>Doug, kindly go soak your cpu in a lake. I'm a reader who is intrested
...
>
>I think the idea is that "for sale" postings should not be posted to overseas
...

Actually net.micro.apple is no longer gated to info-apple, I for one
wish it was. Then we'd get some really good flames about 'for sale'
postings, and maybe even some administrative action.
--
                    - Ralph
Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa)
Usenet: ralphw@mit-eddie.uucp
Fidonet: Ralph Hyre at Fido #385 Pitt-Bull (or maybe Net 129, node 0)
Snail Mail: don't bother
--
                    - Ralph
Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa)
Usenet: ralphw@mit-eddie.uucp
Fidonet: Ralph Hyre at Fido #385 Pitt-Bull (or maybe Net 129, node 0)
Snail Mail: don't bother

From 791594818242404008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,4b991315297c523b
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-16 15:36:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ius2.cs.cmu.edu.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!think!harvard!seismo!
rochester!pt.cs.cmu.edu!ius2.cs.cmu.edu!ralphw
From: ralphw@ius2.cs.cmu.edu.ARPA (Ralph Hyre)
Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!) (65816 <-> 6502 compatibility)
Message-ID: <216@ius2.cs.cmu.edu.ARPA>
Date: Wed, 16-Oct-85 18:36:26 EDT
Article-I.D.: ius2.216
Posted: Wed Oct 16 18:36:26 1985
Date-Received: Sat, 19-Oct-85 08:41:27 EDT
References: <151@uvicctr.UUCP> <7100003@prism.UUCP> <596@sftig.UUCP>
<2230@sdcc6.UUCP>
Organization: Carnegie-Mellon University, CS/RI
Lines: 44
Xref: watmath net.micro.apple:2252 net.micro.68k:1247

In article <2230@sdcc6.UUCP> ix469@sdcc6.UUCP (david smith{|ix}) writes:
>The 65816 is indeed pin-compatible with the 6502 and it may be
>possible to "drop" one into an Apple II without major problems,

>provided you don't want to address more than 64K.

I thought only the 65802 was pin-compatible. Has anyone
actually made this substitution?

>In order to address the 16 megabytes, Western Design uses the data
>bus as address bus for the half CPU cycle that the data bus is not
>used. Unfortunately, during the time, the video is busy playing with
>things.

Apple // display circuitry should be redone anyway, they should
give up on this color in even or odd column stuff. As long as
they keep the entry points for text and graphics routines the same,
most stuff should run OK.

>I believe that the MMU switches the CPU off the data bus during that time.

This seems to imply that Apple was thinking about bypassing the MMU
at some later point to get at a large bank of memory. Does the recently
accounced Apple memory card have a linear-addressing coprocessor port that
would allow a 65816 to address more than 64K without bank switching?
(The Applied Engineering Ramworks card does, is AE planning to support people
putting in 65816's in their machines by putting an extender socket which would
connect the data bus to the coprocessor port before it gets to the MMU chip on
the //e motherboard?)

If all of this is so, will we see 65816-enhanced Apple // come January?
(All the sales people tell me is that the next version of the //e
will be the same shade of white as the //c and the Unidisk drive.)
--
                    - Ralph
Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa)
Usenet: ralphw@mit-eddie.uucp
Fidonet: Ralph Hyre at Fido #385 Pitt-Bull (or maybe Net 129, node 0)
Snail Mail: don't bother
--
                    - Ralph
Internet: ralphw@c.cs.cmu.edu (cmu-cs-c.arpa)
Usenet: ralphw@mit-eddie.uucp
Fidonet: Ralph Hyre at Fido #385 Pitt-Bull (or maybe Net 129, node 0)
Snail Mail: don't bother

From 1586790501728408138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,43f2defcf0fe2582,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-17 06:21:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site puff.UUCP
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!seismo!uwvax!puff!mccann
From: mccann@puff.UUCP
Newsgroups: net.micro.apple

Subject: Appli-Card/StarCard help needed
Message-ID: <482@puff.UUCP>
Date: Thu, 17-Oct-85 09:21:09 EDT
Article-I.D.: puff.482
Posted: Thu Oct 17 09:21:09 1985
Date-Received: Sun, 20-Oct-85 07:40:33 EDT
Distribution: net
Organization: U of Wisconsin CS Dept
Lines: 35

I recently purchased the Wordstar/StarCard package for my //e. My only complaint is that the documentation did not include any specific technical information about the StarCard (aka PCPI Appli-Card). I'm hoping that some of you good folk out there can help me by answering one or more of the following questions (as my two letters to PCPI have gone unanswered):

1. How can I access the Apple's main memory (specifically the ROM routines) from the StarCard? Does PCPI sell a technical reference manual for the card that gives such useful tidbits? If so, where do I write to order it? I am particularly interested in using Turbo Pascal to access the memory; any pointers in that direction would also be appreciated.

2. How can I make use of the 64K on the StarCard as a RAMdisk for use under ProDOS? The CP/M utilities disk provided the program that allowed the memory to be used as a RAMdisk under DOS 3.3, but did not include a program to produce the same result under ProDOS. I know that ProDOS allows for the installation of new device drivers, but without knowledge of how to access the StarCard's RAM, I can't get very far.

3. Is there a way I can use the Apple's main memory as a RAMdisk under CP/M? Currently, after the CP/M disk finishes booting, I have a 82K printer buffer (which is nice, but I really don't need that large a buffer). Surely there must be a way of using some of that memory for a RAMdisk.

For those of you who are wondering, I am very happy with the card. Watching Turbo 3.0 compile on that 6MHz Z-80 the first time is quite a thrill.

Thanks in advance for your help.

Lester McCann

From -4974479859369148260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8be1107a429809ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-17 20:30:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site petrus.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!dfe
From: dfe@petrus.UUCP (Dean F. Espinoza)
Newsgroups: net.micro.apple
Subject: grappler II+ graphics dump
Message-ID: <653@petrus.UUCP>
Date: Thu, 17-Oct-85 23:30:35 EDT
Article-I.D.: petrus.653
Posted: Thu Oct 17 23:30:35 1985
Date-Received: Sat, 19-Oct-85 07:34:40 EDT
Distribution: net
Organization: Bell Communications Research, Inc
Lines: 11

I have a grappler II+ on my Epson mx-80, and I want to dump a high-res graphics page. The only problem is I seem to have lost the booklet over the last 2 years. I someone could give the the grappler firmware command to dump a hi-res graphics page I would appreciate it.

Thanks in advance,
Dean Espinoza

...bellcore!dfe

From 7195603383042017677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,903b7c96988a23ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-18 09:17:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site dadla.UUCP
Path: utzoo!decvax!tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro.apple
Subject: 1200 baud vt52 or vt100 emulation
Message-ID: <475@dadla.UUCP>
Date: Fri, 18-Oct-85 12:17:36 EDT
Article-I.D.: dadla.475
Posted: Fri Oct 18 12:17:36 1985
Date-Received: Sun, 20-Oct-85 00:57:55 EDT
Distribution: na
Organization: Tektronix, Beaverton OR
Lines: 27
Xref: tektronix net.micro.apple:02399

I have an Apple IIe with an Apple Super Serial Card and a USR Auto Dial 212A modem, running Apple Access II in terminal emulation mode (80 column mode). I am logging on to a VAX running 4.2BSD, trying to run vi. The Apple is losing characters frequently, giving me fits trying to remotely edit a file. The Apple blows its mind whether I am in vt52 or vt100 emulation modes.

Questions:

Does anyone know how to get an Apple IIe to talk at 1200 baud like a vt100 or vt52 (or other standard terminal emulation)?

Does anyone know of a modem card that has firmware to run at 1200 baud (80 col) that I could use with Ascii Express or some other program (might speed it up)?

Would using a regular 80 col. card (like a Smarterm II) fix the problem (and does it still allow use of a RAM card in the AUX slot?).

I know there have been discussions of this problem on the net before, but I don't recall ever seeing a working solution to the problem posted. I have heard that in 40 col. mode, Ascii Express will work at 1200 baud, but I really need that 80 col. display, and reasonable terminal emulation for vi.

Please email replies to the me and I will summarize responses to the net.

Dale Call
tektronix!dadla!dcall

From -7263025218645544714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30d9db40e66c0fa4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-18 20:34:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unmc.UUCP
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!seismo!cmcl2!lanl!unm-la!unmvax!unmc!cs2551ao
From: cs2551ao@unmc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Termcap apple
Message-ID: <493@unmc.UUCP>
Date: Fri, 18-Oct-85 23:34:42 EDT
Article-I.D.: unmc.493
Posted: Fri Oct 18 23:34:42 1985
Date-Received: Mon, 21-Oct-85 07:16:45 EDT
References: <>
Reply-To: cs2551ao@unmc.UUCP (Dave North)
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 11

```
# source this to turn your apple //e into an terminal (poof!)
setenv TERM apple2e
setenv TERMCAP ':bs:bl=^G:cd=^K:ce=^]:cl=^L:cm=^^%r%+ %+ :co#80:cr=^M:\
        :am:dC=100:dF=100:dN=100:do=^J:ho=^Y:up=^_:\
        :kr=^U:kl=^H:kd=^J:ku=^K:\
        :li#24:nl=^J:sf=^V^J:so=^O:se=^N:nd=\034:\
```

```
        :is=^R^N^K'

# This ONLY works with the //e using 80 column card.  I use AE with it,
# emulation on, both input and output terminals at zero.
# Also, get rid of the ^O filter, unless you don't want highlighting.


From -7735864039073426490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-19 09:34:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale
Message-ID: <927@utcs.uucp>
Date: Sat, 19-Oct-85 12:34:42 EDT
Article-I.D.: utcs.927
Posted: Sat Oct 19 12:34:42 1985
Date-Received: Sat, 19-Oct-85 13:22:38 EDT
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Organization: University of Toronto
Lines: 19
Summary:

In article <2178@brl-tgr.ARPA> gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>) writes:
>> I think the idea is that "for sale" postings should not be posted to overseas,
>> is it not?  (This inference is from the fact that there is a na.forsale group.)
>> So if you are going to offer software for sale, just restrict the distribution
>> to na.  Or even less, if appropriate.
>
>No, the idea is that it is forbidden to use the Internet, which is
>not a "common carrier", for direct commercial gain.  The taxpayers
>are footing the bill for it.  Abuse can cause the loss of access
>to the Internet.

What precisely out of this large usenet network is the "Internet"?  And why are
there no objections to the forsale newsgroup then, which is used exclusively
for direct commercial gain?
I am being serious not sarcastic, I have nothing to sell personally so it is
an academic question for me.

         Signed,
              Confused.


From -7372774429855927985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
```

X-Google-ArrivalTime: 1985-10-19 17:04:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site think.ARPA
Path: utzoo!linus!decvax!cca!think!ejb
From: ejb@think.ARPA (Erik Bailey)
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive
Message-ID: <3128@think.ARPA>
Date: Sat, 19-Oct-85 20:04:05 EDT
Article-I.D.: think.3128
Posted: Sat Oct 19 20:04:05 1985
Date-Received: Mon, 21-Oct-85 07:05:27 EDT
References: <9800012@uiucuxa>
Reply-To: ejb@think.UUCP (Erik Bailey)
Organization: Thinking Machines, Cambridge, MA
Lines: 23
Summary:

In article <9800012@uiucuxa> spk256@uiucuxa.CSO.UIUC.EDU writes:
>
> Hi everyone...Listen, I just got through looking at the
>latest issue of Incider, and First Class Peripherals has
>dropped the price of the 10 megabyte hard drive "Sider"
>to $595!!! This makes it only $96 more expensive than the
>new Unidisk 3.5! Here's your choice: an 800k drive for $499,
>or a 10 meg drive for $595....
>

Ok. This is from a friend...

Unless I'm completely mistaken, The Sider is a piece of junk. I read
lot's of letters on an Info-Apple net (don't remember the name...), and
all of it was VERY negative. There were many complaints of the drive
crashing minutes after it was installed, making funny sounds (grinding)
and other nasty stuff. Although the product is advertised as a well-made
product, how can one trust a hard drive for only $595?

Note that these comments are NOT those of Erik, he simply allowed me to
type on his time. Any comments about this should be sent to

DCW%MIT-OZ@MIT-MC.ARPA

From -2182426562246930860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64d3744a911cce6b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-20 13:56:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!petsd!pesnta!
hplabs!ames!barry
From: barry@ames.UUCP (Kenn Barry)

Newsgroups: net.micro.apple
Subject: Re: Sider hard drive
Message-ID: <1214@ames.UUCP>
Date: Sun, 20-Oct-85 16:56:44 EDT
Article-I.D.: ames.1214
Posted: Sun Oct 20 16:56:44 1985
Date-Received: Wed, 23-Oct-85 05:39:05 EDT
References: <9800012@uiucuxa> <3128@think.ARPA>
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 25

>Unless I'm completely mistaken, The Sider is a piece of junk. I read
>lot's of letters on an Info-Apple net (don't remember the name...), and
>all of it was VERY negative. There were many complaints of the drive
>crashing minutes after it was installed, making funny sounds (grinding)
>and other nasty stuff. Although the product is advertised as a well-made
>product, how can one trust a hard drive for only $595?

     You are completely mistaken, if my experience is any guide. Before buying my Sider I had read 3 positive reviews in the magazines, and posted an inquiry to the net. Responses to this were also positive.
     I've now owned my Sider about 3 months, and its performance has been flawless and as advertised. I might add that my system sits on a rather rickety metal table which is easy to bump and shake with one's knees. Despite this, I have never had even a transient failure of the drive, much less a head crash. Incidentally, when I first formatted it, the formatter reported *no* areas as bad, and needing to be locked out. How many of you with hard drives can make that claim?
     I have no connection with First Class Peripherals other than being a satisfied owner of a Sider drive.

- From the Crow's Nest -   Kenn Barry
                                          NASA-Ames Research Center
                                          Moffett Field, CA

     ELECTRIC AVENUE: {ihnp4,vortex,dual,nsc,hao,hplabs}!ames!barry

From -3771572888498693872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4d7b3a59c8b362c2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 08:51:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cca.UUCP
Path: utzoo!decvax!cca!rmeyer
From: rmeyer@cca.UUCP (Richard Meyer)
Newsgroups: net.micro.apple
Subject: TASC questions
Message-ID: <4605@cca.UUCP>
Date: Mon, 21-Oct-85 11:51:35 EDT
Article-I.D.: cca.4605
Posted: Mon Oct 21 11:51:35 1985

Date-Received: Tue, 22-Oct-85 16:32:21 EDT
Distribution: na
Organization: Computer Corp. of America, Cambridge
Lines: 9

I recently posted some TASC questions related to interrupt handling. In this message I suspected Microsoft's TASC compiler to interfere with interrupt processing.

My apologies to Microsoft: The problem was my own, and happened when I ported the code from the interpreter to the compiled environment. Thanks to those who replied -- some of you came very close to the real problem.

From -6726150697121216128
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 10:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site prism.UUCP
Path: utzoo!linus!decvax!cca!prism!david
From: david@prism.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <7200006@prism.UUCP>
Date: Mon, 21-Oct-85 13:37:00 EDT
Article-I.D.: prism.7200006
Posted: Mon Oct 21 13:37:00 1985
Date-Received: Thu, 24-Oct-85 07:12:58 EDT
References: <2230@sdcc6.UUCP>
Lines: 38
Nf-ID: #R:sdcc6:-223000:prism:7200006:177600:1380
Nf-From: prism!david   Oct 21 13:37:00 1985

> No, the *65802* is pin-compatible with the 6502. It
> achieves this by ignoring the bank address on its internal
> bus. It is otherwise a 65816, and is
> always generating 24-bit addresses internally,
> but they are not propagated to the outside world on the
> 65802. In addition to not being 6502 compatible because
> the bank address is multiplexed over the data pins, the
> 65816 also lacks some of the clock signals of the 6502, and
> includes several new signals (notably ABORT, Vector Pull
> (is an interrupt vector being addressed?), M/X (status of
>
> m and x bits in status register), E (emulation or native mode),

and VPA and VDA (valid program and valid data address).

As to whether the 65802 will work in all apples, the answer
seems to be: to the same extent as the 65C02 has worked in
all apples, which is to say, all //e's and //c's, and some II's
and II+'s. A recent issue of "Apple Assembly Lines"
has an analysis of this problem, which is due to timing differences,
which can (apparently) been overcome by replacing some of the
parts used in the timing signal generation.

My own experience has been that 65802 has worked in both
my //e and my II+, but then the 65C02 worked in my II+ also.

--

David Eyes {mit-eddie, ihnp4!inmet, wjh12, cca, datacube} !mirror!david
Mirror Systems 2067 Massachusetts Ave.
617-661-0777 Cambridge, MA, 02140

From -2169104551527352663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff033c04d6ec2093,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 10:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site prism.UUCP
Path: utzoo!linus!decvax!cca!prism!david
From: david@prism.UUCP
Newsgroups: net.micro.apple
Subject: Re: Sider hard drive
Message-ID: <7200007@prism.UUCP>
Date: Mon, 21-Oct-85 13:39:00 EDT
Article-I.D.: prism.7200007
Posted: Mon Oct 21 13:39:00 1985
Date-Received: Thu, 24-Oct-85 07:12:45 EDT
References: <9800012@uiucuxa.UUCP>
Lines: 21
Nf-ID: #R:uiucuxa:9800012:prism:7200007:000:274
Nf-From: prism!david Oct 21 13:39:00 1985

wait till you try and back up the
10 megabyte hard disk -- you'll wish

you had the 800K unidisk!

--

David Eyes {mit-eddie, ihnp4!inmet, wjh12, cca, datacube} !mirror!david
Mirror Systems 2067 Massachusetts Ave.
617-661-0777 Cambridge, MA, 02140

From 1294902318121574645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,badb71b8bb11a59a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 17:11:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: BBS software for sale
Message-ID: <2309@brl-tgr.ARPA>
Date: Mon, 21-Oct-85 20:11:41 EDT
Article-I.D.: brl-tgr.2309
Posted: Mon Oct 21 20:11:41 1985
Date-Received: Wed, 23-Oct-85 07:41:29 EDT
References: <927@utcs.uucp>
Organization: Ballistic Research Lab
Lines: 22

The DOD Internet is the largest real network.
Its only relation to Usenet lies in the gatewaying
of traffic between the two. Someone pointed out
that net.micro.apple is no longer gatewayed to
the INFO-APPLE Internet mailing list; I don't
know why it was dropped (maybe because of such
commercial postings).

There is still the moral and practical point that
netnews postings are relayed by telephone among
zillions of sites, which must pay the phone bills.
Several of the large backbone sites have dropped
netnews or are starting to impose restrictions on
it, due to the system load and communication
expense. Under these circumstances, it is
inappropriate to clutter technical newsgroups
with commercial advertisements.

Usenet has no equivalent of the Internet traffic
monitors, so is reliant on the cooperation and
common sense of its users. Some of us are
skeptical about its long-term viability..

From -3162299881595936803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,4b991315297c523b
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,fc01836a05cac956
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 19:25:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!dcdwest!sdcsvax!sdcc3!sdcc6!ix469
From: ix469@sdcc6.UUCP (david smith)
Newsgroups: net.micro.apple,net.micro.68k
Subject: Re: 68000 vs 6502 (!) (65816 <-> 6502 compatibility)
Message-ID: <2255@sdcc6.UUCP>
Date: Mon, 21-Oct-85 22:25:42 EDT
Article-I.D.: sdcc6.2255
Posted: Mon Oct 21 22:25:42 1985
Date-Received: Fri, 25-Oct-85 01:43:11 EDT
References: <151@uvicctr.UUCP> <7100003@prism.UUCP> <596@sftig.UUCP>
<2230@sdcc6.UUCP> <216@ius2.cs.cmu.edu.ARPA>
Reply-To: ix469@sdcc6.UUCP (David L. Smith, Super-Genius)
Organization: U.C. San Diego, Academic Computer Center
Lines: 40
Xref: watmath net.micro.apple:2267 net.micro.68k:1257

In article <216@ius2.cs.cmu.edu.ARPA> ralphw@ius2.cs.cmu.edu.ARPA (Ralph Hyre)
writes:
>In article <2230@sdcc6.UUCP> ix469@sdcc6.UUCP (david smith{|ix}) writes:
>>The 65816 is indeed pin-compatible with the 6502 and it may be
>>possible to "drop" one into an Apple II without major problems,
>>provided you don't want to address more than 64K.
>
>I thought only the 65802 was pin-compatible. Has anyone
>actually made this substitution?
>
According to my spec sheet, it is indeed pin-compatible. The data
bus doubles as the high eight bits of the address bus during the
time that a "normal:-)" 6502 wouldn't be using it.

>>Unfortunately, during the time, the video is busy playing with
>>things.
>
>Apple // display circuitry should be redone anyway, they should
>give up on this color in even or odd column stuff. As long as
>they keep the entry points for text and graphics routines the same,

>most stuff should run OK.
If you redo the video circuitry, you may as well trash your Apple,
since all you're using at that point is the keyboard, slots and
power supply. I was thinking of putting a 65816 on a board and
running it at 4Mhz, or faster if possible and using the 6502 as an
i/o processor. I would like to be able to let the 65816 handle the
video display, because it's got such neat tricks built in, like move
a block of memory, etc, but I can't think of a neat way to do this without
slowing it down to 1Mhz. Perhaps a wait state while the 65816 was
addressing low memory would do the trick (slowing it to only 2Mhz).
The disk drives would have to be handled by the 6502 (it would be
preferable, too!).

==========
David L. Smith
UC Sandy Eggo
{ucbvax, ihnp4}!sdcsvax!sdcc6!ix469

All opinions expressed herein are strictly the products of my
automated posting facility and have no affiliation with myself, my
employers or my cat.

From -2120812441702040016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a53a3c4448dbe8cc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-21 22:06:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.uucp
Path: utzoo!utcs!utcsstat!anthony
From: anthony@utcsstat.uucp (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: Re: How to justify with control chars in AppleWriter
Message-ID: <2257@utcsstat.uucp>
Date: Tue, 22-Oct-85 01:06:19 EDT
Article-I.D.: utcsstat.2257
Posted: Tue Oct 22 01:06:19 1985
Date-Received: Tue, 22-Oct-85 02:24:22 EDT
References: <887@decwrl.UUCP>
Organization: U. of Toronto, Canada
Lines: 10

     Dick, your trick is quite impressive!!!! Although I had to read your
instructions two or three times, your solution became very clear the last time
around.

Anthony.
--

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From -7865480611111115116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c25f58f279796513,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-22 13:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.16 $; site mirror.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!cca!mirror!jib
From: jib@mirror.UUCP
Newsgroups: net.micro.apple
Subject: APPLEWORKS AND GRAPPLER -- HELP!
Message-ID: <7800003@mirror.UUCP>
Date: Tue, 22-Oct-85 16:40:00 EDT
Article-I.D.: mirror.7800003
Posted: Tue Oct 22 16:40:00 1985
Date-Received: Fri, 25-Oct-85 04:08:24 EDT
Lines: 24
Nf-ID: #N:mirror:7800003:000:1089
Nf-From: mirror!jib   Oct 22 16:40:00 1985

I'm writing this question for a friend with an Apple IIe who is not on the
network:

He has an Apple IIe with 128K Ram, a Grappler Plus interface (w/ 16K
buffer) and an Okidata 92 printer. He is having trouble using his system
with Appleworks. Specifically, he cannot configure Appleworks properly
for his printer/interface combination. He wants to set the Okidata to
Correspondence Quality mode, but Appleworks prints 80N on both the screen
and paper whenever he tries to print. It sounds (to me) like Appleworks is
sending an initialize command to the Grappler card thinking that it is an
Apple parallel printer interface card.

Does anyone have experience with using Appleworks with a Grappler card?
(He is using Appleworks version 1.0). Any assistance would be appreciated.
Please send responses to me by Unix-mail or post to the net.

Thanks.

Jim Block {cca, ihnp4!inmet, mit-eddie, wjh12, datacube} !mirror!prism!jib

Mirror Systems, Inc.   2067 Massachusetts Ave.
(617) 661-0777   Cambridge, MA 02140

From -6948551083534145570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc3a33f11541b44,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-10-23 15:18:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2d.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hou2d!xxajtxx
From: xxajtxx@hou2d.UUCP (A.THANGARAJ)
Newsgroups: net.micro.apple
Subject: Cheap RAM upgrade
Message-ID: <811@hou2d.UUCP>
Date: Wed, 23-Oct-85 18:18:53 EDT
Article-I.D.: hou2d.811
Posted: Wed Oct 23 18:18:53 1985
Date-Received: Thu, 24-Oct-85 08:12:21 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 46

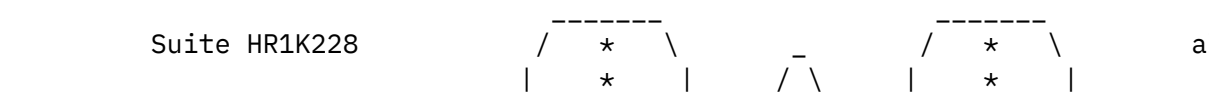
<<<<<<<%%%%%%%#######|||||$$$$!!!&&(line^eater)&&!!!$$$$|||||#######%%%%%%%>>>>>>>

640K bytes of RAM is becoming more and more desirable on PC's today. The extra RAM can be used as a RAMDISK, especially for floppy-disk PC models. (You can zip along faster than a hard disk in some applications). Many programs these days are memory-hungry and can use (or may need) a lot more than 256K bytes RAM. Now that cheap RAM upgrades on the motherboard using high-density 256K chips have become commonplace, it would be interesting to find out on just which models of which computers it is feasible to do so. I would think that at least two conditions need to be satisfied:

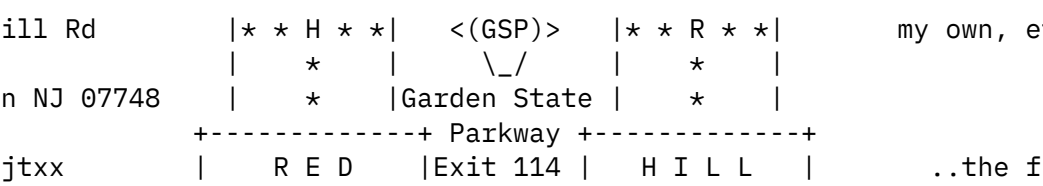
1. The motherboard should have sockets into which the high-density chips can be inserted. For example, the motherboard might have 128K bytes of soldered memory and eighteen empty sockets for additional RAM. If you insert 18 low-density (ie. 64K-bit) chips, you will get another 128K bytes of RAM (2 of the 18 chips store parity bits; the remaining 16 chips make up 16X64/8 = 128K bytes of RAM). If, on the other hand, you insert 18 high-density (256K-bit) chips, you get another 16X256/8 = 512K bytes of RAM. If the motherboard comes with low density chips in the sockets, you can pull them out and replace them with high-density chips for under $60 total cost. If all the RAM in the motherboard is soldered, and there are no empty sockets for additional RAM, that particular model of that PC cannot be cheaply expanded - you will need an expansion board.
2. Having put the extra memory in, you have to be able to tell the computer that it now has that extra memory. This usually involves changing the settings of dipswitches on the motherboard. You have to know which dipswitches to set and how to set them. If the PC manual doesn't tell you that, you have to experiment, or ask a friend, etc., and it still may not work.

I would like to hear from the net regarding which PC's (and which models) have socketed RAM and support cheap RAM upgrades, and whether the dipswitch (or other) settings required are mentioned anywhere. I will summarize and post to the net.

....arun.



480 Red Hill Rd
Middletown NJ 07748
hou2d!xxajtxx
201-949-9127



From -7875399076156856065
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,903b7c96988a23ce
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-23 18:08:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cpesac.UUCP
Path: utzoo!decvax!ucbvax!ucdavis!lll-crg!gymble!umcp-cs!aplcen!cp1!cpesac!rec
From: rec@cpesac.UUCP (bob chapman)
Newsgroups: net.micro.apple
Subject: Re: 1200 baud vt52 or vt100 emulation
Message-ID: <223@cpesac.UUCP>
Date: Wed, 23-Oct-85 21:08:36 EDT
Article-I.D.: cpesac.223
Posted: Wed Oct 23 21:08:36 1985
Date-Received: Sun, 27-Oct-85 00:57:53 EDT
References: <475@dadla.UUCP>
Distribution: na
Organization: C&P Telephone Co. ESAC Richmond, Va.
Lines: 29

> I have an Apple IIe with an Apple Super Serial Card and a USR Auto Dial 212A
> modem, running Apple Access II in terminal emulation mode (80 column mode).
> I am logging on to a VAX running 4.2BSD, trying to run vi. The Apple is
> losing characters frequently, giving me fits trying to remotely edit a file.
> The Apple blows its mind whether I am in vt52 or vt100 emulation modes.
>
> Questions:
> Does anyone know how to get an Apple IIe to talk at 1200 baud like
> a vt100 or vt52 (or other standard terminal emulation)?
>
> Does anyone know of a modem card that has firmware to run at 1200
> baud (80 col) that I could use with Ascii Express or some other
> program (might speed it up)?
>
> Would using a regular 80 col. card (like a Smarterm II) fix the
> problem (and does it still allow use of a RAM card in the AUX
> slot?).
>
> I know there have been discussions of this problem on the net before, but I
> don't recall ever seeing a working solution to the problem posted. I have
> heard that in 40 col. mode, Ascii Express will work at 1200 baud, but I really
> need that 80 col. display, and reasonable terminal emulation for vi.

>
> Please email replies to the me and I will summarize responses to the net.
>
> Dale Call
> tektronix!dadla!dcall

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

From 7825838958540178403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c25f58f279796513
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-10-25 06:54:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtp47.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!rti-sel!rtp47!owen
From: owen@rtp47.UUCP (Karl M. Owen)
Newsgroups: net.micro.apple
Subject: Re: APPLEWORKS AND GRAPPLER -- HELP!
Message-ID: <230@rtp47.UUCP>
Date: Fri, 25-Oct-85 09:54:42 EDT
Article-I.D.: rtp47.230
Posted: Fri Oct 25 09:54:42 1985
Date-Received: Sat, 26-Oct-85 19:33:11 EDT
References: <7800003@mirror.UUCP>
Organization: Data General, RTP, NC
Lines: 26

>
>He has an Apple IIe with 128K Ram, a Grappler Plus interface (w/ 16K
>buffer) and an Okidata 92 printer. He is having trouble using his system
>with Appleworks. Specifically, he cannot configure Appleworks properly
>for his printer/interface combination. He wants to set the Okidata to
>Correspondence Quality mode, but Appleworks prints 80N on both the screen
>and paper whenever he tries to print. It sounds (to me) like Appleworks is
>sending an initialize command to the Grappler card thinking that it is an
>Apple parallel printer interface card.
>
>Jim Block {cca, ihnp4!inmet, mit-eddie, wjh12, datacube} !mirror!prism!jib
>

I'm posting this instead of mailing because I think it may be of general
interest. I ran across the same problem with a C. Itoh Prowriter 8510 and
otherwise identical setup. I solved the problem by searching the Appleworks
program disk for the pattern "80N" and replacing it with "000". I'm told
that you can take your dealer and he will fix it.
                                Karl

--

Karl M. Owen
Data General, RTP, NC
...!seismo!mncc!rti-sel!rtp47!owen

From -1910131129595333459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df19b8a2eafd49f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-28 12:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site hpfcrx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hpfcdc!hpfcla!stroyan
From: stroyan@hpfcla.UUCP
Newsgroups: net.micro.apple
Subject: Re: Applesoft ROMs
Message-ID: <24200002@hpfcrx.UUCP>
Date: Wed, 28-Aug-85 15:39:00 EDT
Article-I.D.: hpfcrx.24200002
Posted: Wed Aug 28 15:39:00 1985
Date-Received: Thu, 5-Sep-85 07:39:13 EDT
References: <1536@peora.UUCP>
Organization: 28 Aug 85 13:39:00 MDT
Lines: 13

The 16k ramcard approach is the easiest, and the card can be handy for
other environments that use the extra ram. You should be aware, however
that not all applications accept a language card in place of ROM. I
have integer basic in ROM and a language card, and only about half of
the software requiring a "][+" will work with this configuration.
It's usually not a problem if you check BEFORE buying software to make
sure you can return it, but it can be very frustrating to learn that
you can't run some great new program. I have gone looking for new
ROM's in the past, and apparently you CAN get them through a dealer,
but the price was totally unreasonable when I asked about it. (Each
of 8 chips is priced at some high "repair part" cost.)

Mike Stroyan, hpfcla!stroyan

From 2806952354104405800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,302a756cb7a1ec2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-28 12:47:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Modem recommendations

Message-ID: <363@ssc-bee.UUCP>
Date: Wed, 28-Aug-85 15:47:51 EDT
Article-I.D.: ssc-bee.363
Posted: Wed Aug 28 15:47:51 1985
Date-Received: Fri, 30-Aug-85 09:26:35 EDT
References: <2414@watcgl.UUCP>
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 13

> Jade has a 1200 baud, serial interface, direct-connect modem
> advertised for $179. They also have a 7-day (or is 10 or 15)
> money-back guarantee in case you are not satisfied with it.
> I think it is Hayes compatible.
>
> Considering the price and the money-back guarantee, sounds worth
> a try.

--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -3129347908877275075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,302a756cb7a1ec2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-29 10:49:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxc
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!rcook
From: rcook@uiucuxc.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Modem recommendations
Message-ID: <103000003@uiucuxc>
Date: Thu, 29-Aug-85 13:49:00 EDT
Article-I.D.: uiucuxc.103000003
Posted: Thu Aug 29 13:49:00 1985
Date-Received: Sun, 1-Sep-85 06:13:28 EDT
References: <2414@watcgl.UUCP>
Lines: 14
Nf-ID: #R:watcgl.UUCP:-241400:uiucuxc:103000003:000:311
Nf-From: uiucuxc.Uiuc.ARPA!rcook Aug 29 12:49:00 1985

I am in the very same boat that he is in. Could someone please send me the
same information please?
thanx in advance.

      Rob Cook

UUCP: {ihnp4,pur-ee}!uiucdcs!uiucuxc!rcook

      'Life is just a cocktail party on the street'
              -Mick Jagger-

From 4043652707783009543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,973fa4d18f6122ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-29 12:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucdcs
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
ekblaw
From: ekblaw@uiucdcs.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Need apple assistance
Message-ID: <33100013@uiucdcs>
Date: Thu, 29-Aug-85 15:36:00 EDT
Article-I.D.: uiucdcs.33100013
Posted: Thu Aug 29 15:36:00 1985
Date-Received: Sun, 1-Sep-85 06:14:03 EDT
References: <5644@tektronix.UUCP>
Lines: 8
Nf-ID: #R:tektronix.UUCP:-564400:uiucdcs:33100013:000:254
Nf-From: uiucdcs.Uiuc.ARPA!ekblaw   Aug 29 14:36:00 1985

No problem, Larry. Character #4 (Cntrl-D) is the cue for Disk access. Any
command you wish to use you simply put "print <Cntrl-D variable or symbol> .."
at the front, and it should work.

Robert A. Ekblaw, ekblaw@uiucdcs.

"Answerman to the stars..."

From 1252064742056751154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3670b3487adfb5a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-30 14:07:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek
From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: AscExpr & weird keybd
Message-ID: <689@utai.UUCP>

Date: Fri, 30-Aug-85 17:07:34 EDT
Article-I.D.: utai.689
Posted: Fri Aug 30 17:07:34 1985
Date-Received: Fri, 30-Aug-85 19:43:05 EDT
References: <819@panda.UUCP>
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Organization: CSRI, University of Toronto
Lines: 16
Summary:

[Is this bug long gone?]
    Hey! Believe it or not, here's a question about terminal programs that's not: 1) where can I get an Apple ... termcap *OR* 2) why doesn't (program X) emulate a braindamage300 correctly (and if I'd *bought* my copy would the manual tell me how). (Although this question is of equally general (un-)interest.)
   I am using an Apple II+ with a very weird keyboard attached. It has all the funny characters & a shift key, but is upper case only. Lower case entry is achieved via the "shift-key modification".

   My problem is that when running Ascii Express on this machine, as soon as it sees a character not normally available on a plain UC-only keyboard, it assumes the keyboard is a true uc/lc keyboard. Is there any fix to this? (The manual does not help with this rather obscure problem. Please, don't tell me to have my employers buy a new keyboard.)

From 6341027273621129581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d92dc266352af51a,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 142096,5cae012d0c6d71f0
X-Google-Attributes: gid142096,public
X-Google-Thread: 1622d3,d92dc266352af51a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-03 07:24:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.amiga,net.micro,net.micro.apple
Subject: Re: Amiga monitor
Message-ID: <577@sftig.UUCP>
Date: Tue, 3-Sep-85 10:24:10 EDT
Article-I.D.: sftig.577
Posted: Tue Sep 3 10:24:10 1985
Date-Received: Wed, 4-Sep-85 07:15:38 EDT
References: <1204@tekgvs.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 15
Xref: watmath net.micro.amiga:31 net.micro:11803 net.micro.apple:2115

>   Inputs: RGB analog and sync signals, digital
>   RGBI, NTSC composite.
>
>   Jere M. Marrs
>   Tektronix, Inc.

OK. I give up. Will somebody please explain what the difference between the various color input types are. What is the difference between RGBI digital, RGB analog, and NTSC composite, and all the rest. (The Apple RGB Color card produces something called XRGB, what's that?)

Thanks for any light you can shed!

Rick Thomas
ihnp4!attunix!rbt

From 4303196630560055413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f7c7123d9b33356,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-03 08:48:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!umn-cs!isucs1!heins
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Ascii Express and 80-columns
Message-ID: <405@isucs1.UUCP>
Date: Tue, 3-Sep-85 11:48:08 EDT
Article-I.D.: isucs1.405
Posted: Tue Sep 3 11:48:08 1985
Date-Received: Mon, 9-Sep-85 01:27:30 EDT
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 21
Nf-ID: #R:utcsstat:-224500:isucs1:9900006:000:1084
Nf-From: isucs1!heins   Aug 29 23:55:00 1985

Your problem is with the configuration of ASCII Express. Make sure that the option "lower case wire installed" or something like that is set right. I use AE with the Rev 7+ keyboard encoder modification to give me an upper and lower case kybd on my][+. You can also use the one wire shift key mod. Read the section of the AE manual about the configuration options and it will give you information about how to set the parameters for the shift mod that you have if you have a //e it might be that you have told AE to look for the][+ one wire shift key mod instead of the //e's full ASCII keyboard. Also, try to "80 column firmware enable" or something like that. It is usually best to turn it off and let AE use the keyboard without the 80 column board filtering (and possibly converting cases). Hope this is helpful.

Lee Heins

at Iowa State (kinda)

uucp: {umn-cs|csu-cs|okstate}!isucs1!heins
CSNET: heins@iowa-state

From -2331727158690310468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b198b37b66394123,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-03 08:48:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!stolaf!umn-cs!
isucs1!heins
From: heins@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Ascii Express VT100 setup
Message-ID: <406@isucs1.UUCP>
Date: Tue, 3-Sep-85 11:48:21 EDT
Article-I.D.: isucs1.406
Posted: Tue Sep 3 11:48:21 1985
Date-Received: Mon, 9-Sep-85 01:16:19 EDT
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 25
Nf-ID: #R:panda:-81900:isucs1:9900007:000:1009
Nf-From: isucs1!heins   Aug 31 00:39:00 1985

/***** isucs1:net.micro.apple / panda!jgc / 3:14 pm Aug 30, 1985 */

     I have seen a few articles in using Ascii Express to set up
some Vt52 terminal simulation. There has been reference to using 5 &
6 to set this up. I'm not quite sure what this means. I have this soft-
ware but I don't have the manuals. I'd appreciate it if someone could
explain how to set this up. I'm looking for a Vt100 or Vt220 setup. I'm
also confused in setting up the software to autocall and autolink. Thanks
in advance!

                        jc
As far as I know there is no way to emulate the VT100 with AE Pro (possibly
the only major complaint I have about it) You really MUST have the AE
documentation and read it in order to understand how to use the AE terminal
emulation and many other features.

P.S. It is not wise to admit you don't have the manual or people will flame
on you. Piracy discussions are frowned upon here.

Lee Heins @ Iowa State
UUCP: {umn-cs!csu-cs!okstate}!isucs1!heins
CSNET: heins@iowa-state

/* ---------- */

From -1385998706993377406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffebd0052f01dba0,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,ffebd0052f01dba0,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-09-03 11:05:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Version 1.0 Netnews CMS/BITNET 5/19/85; site PSUVM.BITNET
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!genrad!panda!talcott!harvard!seismo!rochester!cmu-cs-pt!cadre!psuvax1!
psuvm.bitnet!o05
From: O05@psuvm.BITNET
Newsgroups: net.micro,net.micro.apple
Subject: Disk][write-protect mechanism problems (Oh, woe is me !!)
Message-ID: <2190O05@psuvm>
Date: Tue, 3-Sep-85 14:05:41 EDT
Article-I.D.: psuvm.2190O05
Posted: Tue Sep 3 14:05:41 1985
Date-Received: Fri, 6-Sep-85 04:07:37 EDT
Expires: Tue, 17-Sep-85 01:00:00 EDT
Lines: 19
Xref: watmath net.micro:11831 net.micro.apple:2118

Our Campus owns 25 Apple][/+ and][/e computers, and for reasons we won't go into now, the small arm which actually detects the write-pritect tabs existance has broken off (worn out ... whatever) on about 1/3 of our drives. After consulting with our local Apple dealer, I find out that the small black plastic arm can not be independently replaced, but would require the replacement of the whole bottom of the disk drive (at $100 each !!!!!).

IS THIS TRUE ??? If anyone out there knows if it is, or a quick solution to the problem, I'd appeciate the info. It seems to me that you should be able to jerry-rig the thing to work, but I'd rather like to have more opinions.

Thanks in advance,

--- MUST I DO ALL THE WORK AROUND HERE ???

GLENN S. PIPER
O05 @ PSUVM
(BERKS OPERATOR)

From -4715764262114638889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d92dc266352af51a
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d92dc266352af51a
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 142096,5cae012d0c6d71f0
X-Google-Attributes: gid142096,public
X-Google-ArrivalTime: 1985-09-04 12:05:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!ron
From: ron@brl-tgr.ARPA (Ron Natalie <ron>)
Newsgroups: net.micro.amiga,net.micro,net.micro.apple
Subject: Re: Amiga monitor
Message-ID: <1223@brl-tgr.ARPA>
Date: Wed, 4-Sep-85 15:05:37 EDT
Article-I.D.: brl-tgr.1223
Posted: Wed Sep 4 15:05:37 1985
Date-Received: Fri, 6-Sep-85 05:15:06 EDT
References: <1204@tekgvs.UUCP> <577@sftig.UUCP>
Organization: Ballistic Research Lab
Lines: 16
Xref: watmath net.micro.amiga:52 net.micro:11835 net.micro.apple:2120

> OK. I give up. Will somebody please explain what the difference between the
> various color input types are.   What is the difference between RGBI digital,
> RGB analog, and NTSC composite, and all the rest. (The Apple RGB Color
> card produces something called XRGB, what's that?)
>
RGB ... red, green, blue. A separate wire for color signal. There
may be a separate sync signal or it may be overlaid on one of the color
signals.   RGB analog is just that. The Sony profeel monitors put schmidt
triggers on the RGB inputs which shape them into either zero or one values.
NTSC is what your TV set use (nick named Never The Same Color). It is the
method of composing all the colors into a single video signal that is also
compatible with Black and White monitors. They do this by making the primary
signal the black and white intensity, and then have some side signals for
the color. Look up "color" in Foley and Van Dam.

-Ron

From -7926693539647748456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d3930a245b26b65,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-04 13:51:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site bunker.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!ittatc!bunker!jrh
From: jrh@bunker.UUCP (Jeff Hagen)
Newsgroups: net.micro.apple
Subject: Hackers delight - AppleII question
Message-ID: <976@bunker.UUCP>
Date: Wed, 4-Sep-85 16:51:53 EDT
Article-I.D.: bunker.976

Posted: Wed Sep 4 16:51:53 1985
Date-Received: Fri, 6-Sep-85 04:18:43 EDT
Organization: Bunker Ramo, Trumbull Ct
Lines: 33

Question, Apple II[+-], workings of 80 column cards.

Scenario:
You enter the monitor. Call -151. You type 3^P return with your 80 column card in slot 3. The monitor pokes locations $36 and $37 with $C300. It displays the prompt with a call through $36. $C300 gets executed. Among other things, the ROM code at $C300 selects the 80column video display. Your screen flips. It pokes location $36 with the usual entry point for output characters. (like 07) It also pokes $38 and $39 for the input routine that will allow lower case and other things. The monitor works like a champ in 80 columns, but you have lost your hook to DOS. 3EAG fixes that.

Now here is the big if. If I have ROM selected in the upper 12K and I do a 0^P or a PR#0 the screen gets flipped back to the 40 column mode. If I have RAM selected it fails. The $36-$39 vectors are set properly, but the 80 column screen is still showing. Assume ROM and RAM have the same code in them.

Question:
Is the above scenario a hardware bug in my cheapie 80col card?
Or more generally, how does the 80 column card know when to flip back to 40 column mode since a PR# or a 0^P only pokes the $36 through $39 bytes? Is it actually monitoring the bus?
Or is its input routine scanning the input?

I'm baffled.
Any ideas?
Thanks.

Jeff Hagen
decvax!ittvax!bunker!jrh

From -1364649390286488935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a368a4a947b9b7f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-04 23:54:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site midas.UUCP
Path: utzoo!decvax!tektronix!teklds!midas!chriss
From: chriss@midas.UUCP (Chris Shirkoff)
Newsgroups: net.micro.apple
Subject: Super-Serial HELP!
Message-ID: <350@midas.UUCP>
Date: Thu, 5-Sep-85 02:54:45 EDT

Article-I.D.: midas.350
Posted: Thu Sep 5 02:54:45 1985
Date-Received: Fri, 6-Sep-85 03:43:11 EDT
Distribution: na
Organization: Tektronix, Beaverton OR
Lines: 50
Xref: tektronix net.micro.apple:02264

HELP! I have an Apple Super Serial card that I'm trying to use with an external modem. My system consists of a //e with extended 80-column card, the super serial card, and a parallel printer interface.

When I put the Super Serial into dumb terminal mode, two things happen:

1. With nothing connected to the D25 connector, and local echo enabled, all appears well in 40-column mode. But if the Super serial is put into dumb tty mode using 80-col. mode, the cursor always remains in column 2 of the current active line. Aside from this, all else seems normal -- but with no cable attached.

2. After entering dumb tty mode (and verifying it using local echo), I connected the modem (VADIC 34xx, VA212, US Robotics -- doesn't make any difference) using a "standard" cable. I've been using said cable with my dumb terminal and no problems, so I don't suspect the cable -- I can loop back TXD to RXD without connecting DSR or DTR and actually echo to the screen of the //e. But connect a modem (who will assert DSR), and the Apple is now a very dumb terminal! It does assert DTR, but will not respond to keyboard input -- my last test involved using the modems loopback capability, so anything sent should have been echoed.

Questions:

1. Has anyone seen this problem?
2. Has anyone used a Super Serial successfully with a //e?
3. Is DSR killing me? If so, WHY?

So far all I've gotten from my dealer is a $25 bill for "Warrantee service -- No problem found"(!), and "it's probably your configuration". Since my box was purchased as a complete system, I've got to thinking -- Do they run diagnostics on these things? Doesn't "configured for use with modem" mean configured for use with a modem?

PLEASE, if you have any solid information -- send it my way! At the moment I suspect that I'm going to run into the "Well, we found a problem -- but you're 2 days out of warrantee" syndrome. Grrrr.
(Sorry about the editorial comments, but if net-people won't listen, who will?)

--

UUCP: tektronix!midas!chriss
USMAIL: Chris Shirkoff
     Tektronix, Inc.,
     PO Box 4600 MS 94-442
     Beaverton, Oregon 97075

From 5922508311738885181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ffebd0052f01dba0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ffebd0052f01dba0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-05 16:45:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site petrus.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!dfe
From: dfe@petrus.UUCP (Dean F. Espinoza)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Disk][write-protect mechanism problems (Oh, woe is me !!)
Message-ID: <520@petrus.UUCP>
Date: Thu, 5-Sep-85 19:45:55 EDT
Article-I.D.: petrus.520
Posted: Thu Sep 5 19:45:55 1985
Date-Received: Fri, 6-Sep-85 05:44:24 EDT
Organization: Bell Communications Research, Inc
Lines: 21
Xref: watmath net.micro:11837 net.micro.apple:2121

>
>   Our Campus owns 25 Apple][/+ and][/e computers, and for reasons we won't
> go into now, the small arm which actually detects the write-pritect tabs exist
> ance has broken off (worn out ... whatever) on about 1/3 of our drives.
>
>
>
>   GLENN S. PIPER
>   O05 @ PSUVM
>   (BERKS OPERATOR)
>

 Your users probably realized that breaking off the write-protect mechanism
allows them to write on both sides of a floppy disk without punching a hole
in the disk's other side (this has nothing to do with the original question,
 but it is most likely that the write-protect did not wear out.)

                                    Dean Espinoza

                    ...bellcore!dfe

From 2260511859489153331

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffb67f7eaf5483e2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-05 17:02:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap
Message-ID: <1269@brl-tgr.ARPA>
Date: Thu, 5-Sep-85 20:02:31 EDT
Article-I.D.: brl-tgr.1269
Posted: Thu Sep 5 20:02:31 1985
Date-Received: Sun, 8-Sep-85 10:26:20 EDT
References: <165@ssc-vax.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 16

```
#
# Apple //e with 80-column card
# The modem interface is permitted to discard LF (maybe DC1), otherwise
# passing characters to the 80-column firmware via COUT (PR#3 assumed).
# Auto-wrap does not work right due to newline scrolling delay, which also
# requires that you set "stty cr2".
# Note: Cursor addressing is only available via the Pascal V1.1 entry,
# not via the BASIC PR#3 hook.  All this nonsense can be avoided only by
# using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
     :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
     :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
     :sr=^V:up=^_:\
     :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
     :cm=^^%r%+ %+ :tc=apple2e:
```

From 3322239101023451201
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d92dc266352af51a
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d92dc266352af51a
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 142096,5cae012d0c6d71f0
X-Google-Attributes: gid142096,public
X-Google-ArrivalTime: 1985-09-05 18:00:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekgvs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!tektronix!
tekcrl!tekgvs!peterh
From: peterh@tekgvs.UUCP (Peter Hildebrandt)
Newsgroups: net.micro.amiga,net.micro,net.micro.apple

Subject: Re: Amiga monitor
Message-ID: <1207@tekgvs.UUCP>
Date: Thu, 5-Sep-85 21:00:31 EDT
Article-I.D.: tekgvs.1207
Posted: Thu Sep 5 21:00:31 1985
Date-Received: Sun, 8-Sep-85 16:40:30 EDT
References: <1204@tekgvs.UUCP> <577@sftig.UUCP>
Reply-To: peterh@tekgvs.UUCP (Peter Hildebrandt)
Organization: Tektronix, Beaverton OR
Lines: 30
Xref: watmath net.micro.amiga:75 net.micro:11863 net.micro.apple:2123
Summary: Answers to the RGB / RGBI question

In article <577@sftig.UUCP> rbt@sftig.UUCP (R.Thomas) writes:
>What is the difference between RGBI digital,
>RGB analog, and NTSC composite, and all the rest. (The Apple RGB Color
>card produces something called XRGB, what's that?)
>
>Thanks for any light you can shed!
>
>Rick Thomas
>ihnp4!attunix!rbt

TTL or RGB digital refers to a video source of three signals, RED, GREEN,
and BLUE, each of which has a digital signal level (0 or 5 Volts). RGBI
digital adds a fourth bit, INTENSITY, which is also a digital signal.
Hence, RGB digital gives eight colors, whereas RGBI digital produces 16.

RGB analog is also a video source consisting of three signals, RED, GREEN,
and BLUE, but in this case, the signals are analog voltages from 0 to 1 volt.
With analog RGB, you can theoretically get an infinite number of colors on
the screen, but most analog systems are limited by the size of the digital
to analog converter inside.

NTSC composite is standard composite video, combining the red, green, and
blue signals into one. Most video cassette recorders output NTSC composite.
NTSC video is usually output through a RCA phono jack on microcomputers.

Generally, the signal quality is degraded when the signals are combined for
NTSC video, and therefore, any kind of RGB is preferable.

Peter Hildebrandt
Tektronix Laboratories

From 71825908351582048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcf2e1d5ea807859,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-06 06:27:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-spice.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!

harvard!seismo!rochester!cmu-cs-pt!cmu-cs-spice!djz
From: djz@cmu-cs-spice.ARPA (Daniel Zigmond)
Newsgroups: net.micro.apple
Subject: Educational Software
Message-ID: <448@cmu-cs-spice.ARPA>
Date: Fri, 6-Sep-85 09:27:49 EDT
Article-I.D.: cmu-cs-s.448
Posted: Fri Sep 6 09:27:49 1985
Date-Received: Mon, 9-Sep-85 01:22:16 EDT
Organization: Carnegie-Mellon University, CS/RI
Lines: 6

A friend of mine who is a facilitator at a nearby high school has been given a bunch of Apple IIe's and told help teachers make use of them. Does anyone know of some high quality educational software that could be used in advanced high school classes? I would really appreciate any suggestions.

     Dan

From -1394511732741222558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c4055d864fe7afe5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-07 18:36:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eeg.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!ptsfa!eeg!bcx
From: bcx@eeg.UUCP (Bryan Costales)
Newsgroups: net.micro.apple
Subject: Help Needed with PFS File Transfers
Message-ID: <115@eeg.UUCP>
Date: Sat, 7-Sep-85 21:36:19 EDT
Article-I.D.: eeg.115
Posted: Sat Sep 7 21:36:19 1985
Date-Received: Mon, 9-Sep-85 02:02:23 EDT
Distribution: net
Organization: EEG Systems Laboratory, San Francisco
Lines: 14

     I have recently encountered a need to transfer PFS files to a Mac in clear text form. Does anyone know of a simple way to either do this transfer directly or to convert PFS files to Vanilla Sequential DOS 3.3 text files?
     Any help will be appreciated.

     Bryan Costales {ihnp4,dual,qantel}!ptsfa!eeg!bcx

--

     Bryan Costales, EEG Systems Laboratory

1855 Folsom St, San Francisco, Ca 94103 (415) 621-8343
{ihnp4,dual,qantel}!ptsfa!eeg!bcx

From -752139620784940534
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,5e9e6121d90f0b32,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 1622d3,5e9e6121d90f0b32,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-08 22:19:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aecom.UUCP
Path: utzoo!decvax!linus!philabs!aecom!werner
From: werner@aecom.UUCP (Craig Werner)
Newsgroups: net.micro.apple,net.games.frp
Subject: Masquerade /WDIDN? - request for spoiler
Message-ID: <1904@aecom.UUCP>
Date: Mon, 9-Sep-85 01:19:22 EDT
Article-I.D.: aecom.1904
Posted: Mon Sep 9 01:19:22 1985
Date-Received: Tue, 10-Sep-85 21:12:05 EDT
Distribution: na
Organization: Albert Einstein Coll. of Med., NY
Lines: 19
Xref: linus net.micro.apple:1816 net.games.frp:1640

I'm posting this for a classmate.

Well into the Apple IIe version of Masquerade:

He has the razor (it is sharp and it cuts)
The note says "If you're sharp, you'll take the shortcut around
the block?"

Given that, WDIDN (What Do I Do Now)?

Considering the spoiler nature of the question, and the fact that I personally
will be scarce this month, mail is preferable to posting.

--
Craig Werner
!philabs!aecom!werner
"The world is just a straight man for you sometimes"

From 840105714208430109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a368a4a947b9b7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-09 07:35:42 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: Super-Serial HELP!
Message-ID: <586@sftig.UUCP>
Date: Mon, 9-Sep-85 10:35:42 EDT
Article-I.D.: sftig.586
Posted: Mon Sep 9 10:35:42 1985
Date-Received: Tue, 10-Sep-85 04:55:06 EDT
References: <350@midas.UUCP>
Distribution: na
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 140

> HELP! I have an Apple Super Serial card that I'm trying to use with an
> external modem. My system consists of a //e with extended 80-column
> card, the super serial card, and a parallel printer interface.
>
> When I put the Super Serial into dumb terminal mode, two things happen:
>
> 1. With nothing connected to the D25 connector, and local echo enabled,
> all appears well in 40-column mode. But if the Super serial is put into
> dumb tty mode using 80-col. mode, the cursor always remains in column 2
> of the current active line. Aside from this, all else seems normal --
> but with no cable attached.
>

Your problem #1, dumb terminal mode on the SSC in 80 col mode leaving the cursor in col 2 all the time is a 'known problem' with no fix. I called Apple tech support in the Boston area about a year ago (When they were still answering the phone if you had patience enough to get thru.) and asked them about it, and they said it was a problem in the SSC/80Col firmware, and a firmware fix might be available sometime in the future, but dont hold my breath. I have not tried the IIe upgrade kit (sells for 70 dollars and makes the IIe firmware compatible with the IIc.) You might try that and see if it fixes the problem. However, You will find that the dumb terminal mode in the SSC firmware is less than perfectly satisfactory even in 40 column mode (Where it works, more or less, as the designers intended it to.) There are no cursor addressing features. But worst of all, it will not operate at 1200 baud. It drops characters. The reason is that the firmware that does screen scrolling does not poll the SSC for input (how could it, it doesnt even know you have an SSC, let alone what slot it is in.) and it takes longer than one character time at 1200 baud to scroll a 24 line screen. So you get dropped characters. It works ok at 300 baud, but who wants a 300 baud 40 column terminal, with no cursor addressing?

The IIe enhancement kit is supposed to speed up the scrolling firmware enough so it does not drop characters at 1200 baud anymore (Part of that is that the kit includes a 65C02 processor, which is a little faster than the 6502 that comes standard with the IIe. And part of it is that they rewrote

the scrolling part of the firmware to make it faster.) But it still doesnt
do cursor addressing.

My advice to you is to get a copy of a good terminal emulator program.
They all do their own scrolling, so they dont have the character dropping
problem.

AE-Pro is highly recommended by many folks. (I dont use it myself, because
I have a beta test version of a program written by Ken Adelman at Cal Tech,
which will be available public domain in the near future, which meets my
needs very well, and AE-Pro costs about 90 dollars -- less than that
mail-order, I think.)

> 2. After entering dumb tty mode (and verifying it using local echo), I
> connected the modem (VADIC 34xx, VA212, US Robotics -- doesn't make any
> difference) using a "standard" cable. I've been using said cable with
> my dumb terminal and no problems, so I don't suspect the cable -- I can
> loop back TXD to RXD without connecting DSR or DTR and actually echo to
> the screen of the //e. But connect a modem (who will assert DSR), and
> the Apple is now a very dumb terminal! It does assert DTR, but will not
> respond to keyboard input -- my last test involved using the modems
> loopback capability, so anything sent should have been echoed.
>

Regarding your problem 2, if you dont have a breakout box, get one. Once
you have one, read the manuals that come with *both* the modem and the SSC
very carefully to figure out what signals they need, and when they need
them, in the hand-shaking process. A breakout box that shows all three
states of a line (High, Low, and Floating) is much more useful than one
that shows just two states (high and not-high).

The SSC comes with an excellent manual, complete with listings
of the firmware and circuit diagrams. (The *old* Apple Inc approach
to the world. *Sigh* Gone for ever!) Make sure you have the
switches set correctly on the SSC, and make sure you have the 'null-modem'
block set the right way. Remember that digital loop-back will appear to
work, even if you have the null modem block in wrong, because digital loop
back is supposed to connect TXD to RXD. With the null modem block in
wrong, it connects RXD to TXD, which has the same effect as before. Analog
loop back, on the other hand, will not work if you have the null modem
block in backwards. The SSC manual is very clear on this subject.

There are a bunch of switches on the SSC, and they all must be set right for
it to work. Pay particular attention to things like 'bits/character' and
'number of stop bits'. The only way to get them right is to experiment,
unfortunately. But they can be frustrating, because they *almost* dont
matter. You will get occasional (or frequent -- depending on how far out
of line you have the switches) garbage being sent if you have them wrong.

Beyond that, I have no suggestions.

> Questions:
>

>   1. Has anyone seen this problem?

Yes, I fought with the same problems myself about a year ago.

>   2. Has anyone used a Super Serial successfully with a //e?

Yes, I was finally successful.

>   3. Is DSR killing me? If so, WHY?

I don't think so.

>
> So far all I've gotten from my dealer is a $25 bill for "Warrantee
> service -- No problem found"(!), and "it's probably your configuration".

What did you expect from a dealer? Most of them dont know as much about
computers as the average 12 year old. Their expertise is in retail sales,
if they have any at all.

> Since my box was purchased as a complete system, I've got to thinking --
> Do they run diagnostics on these things? Doesn't "configured for use
> with modem" mean configured for use with a modem?

Diagnostics? You gotta be kidding! (Sorry, I wax cynical.)
Actually, though, if you bought a 'complete system' and have your
specifications in writing, you might consider telling the dealer to take it
back unless he can make it work to your written specs. That usually gets
their attention.

>
> PLEASE, if you have any solid information -- send it my way! At the
> moment I suspect that I'm going to run into the "Well, we found a
> problem -- but you're 2 days out of warrantee" syndrome. Grrrr.
> (Sorry about the editorial comments, but if net-people won't listen,
> who will?)
>
>
> --
>
> --
> UUCP: tektronix!midas!chriss
> USMAIL: Chris Shirkoff
>   Tektronix, Inc.,
>   PO Box 4600 MS 94-442
>   Beaverton, Oregon 97075

Rick Thomas
ihnp4!attunix!rbt

From 3053392790485752992

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ffebd0052f01dba0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ffebd0052f01dba0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-09 08:23:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/13/84; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!sun!idi!intelca!cem
From: cem@intelca.UUCP (Chuck McManis)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Re: Disk][write-protect mechanism problems (Oh, woe is me !!)
Message-ID: <67@intelca.UUCP>
Date: Mon, 9-Sep-85 11:23:34 EDT
Article-I.D.: intelca.67
Posted: Mon Sep 9 11:23:34 1985
Date-Received: Wed, 11-Sep-85 07:46:32 EDT
References: <520@petrus.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 26
Xref: watmath net.micro:11927 net.micro.apple:2130

>>
>>   Our Campus owns 25 Apple][/+ and][/e computers, and for reasons we
>> won't
>> go into now, the small arm which actually detects the write-pritect tabs
>> exist
>> ance has broken off (worn out ... whatever) on about 1/3 of our drives.
>>
>>   GLENN S. PIPER
>
>
> Your users probably realized that breaking off the write-protect mechanism
> allows them to write on both sides of a floppy disk without punching a hole
> in the disk's other side (this has nothing to do with the original question,
> but it is most likely that the write-protect did not wear out.)
>
>   Dean Espinoza

Couldn't you also just install a switch to enable/disable the write control
line? This would fix your problem without getting a new plastic gizmo.
--Chuck

--
                                              - - - D I S C L A I M E R - - -
{ihnp4,fortune}!dual\   All opinions expressed herein are my
        {qantel,idi}-> !intelca!cem   own and not those of my employer, my
 {ucbvax,hao}!hplabs/   friends, or my avocado plant. :-}

From 5287896825396761269
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,91da99a94a3cb649,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-10 07:41:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site srcsip.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!stolaf!umn-cs!srcsip!
twaites
From: twaites@srcsip.UUCP (Greg Twaites)
Newsgroups: net.micro.apple
Subject: AE Ramworks
Message-ID: <1160@srcsip.UUCP>
Date: Tue, 10-Sep-85 10:41:17 EDT
Article-I.D.: srcsip.1160
Posted: Tue Sep 10 10:41:17 1985
Date-Received: Sun, 15-Sep-85 11:41:40 EDT
Reply-To: twaites@srcsip.UUCP (Greg Twaites)
Organization: Honeywell SRC (SIP), Mpls MN
Lines: 12

Has anyone out there in netland ahd any experience with Apllied Engineerings
RAMWORKS card for the Apple IIe? I am interested in getting one and would
like to hear any comments. Thanks

****

Greg Twaites
Honeywell Systems and Research
...ihnp4!umn-cs!srcsip!twaites

     "Great people talk about ideas, average people talk about things,
      and small people talk about wine."

From 4531673898906025137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4793115d53d0bba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-10 09:53:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Wordprocessor under Pascal?
Message-ID: <2785@harpo.UUCP>
Date: Tue, 10-Sep-85 12:53:43 EDT
Article-I.D.: harpo.2785
Posted: Tue Sep 10 12:53:43 1985
Date-Received: Wed, 11-Sep-85 20:11:23 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 9
Nf-ID: #N::37600026:000:102

Nf-From: !bob   Sep 10 12:53:00 1985

Is anyone aware of a wordprocessor running under the Apple Pascal
system?
.

                        ihnp4\!harpo\!bob

From -4709426384234822626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffebd0052f01dba0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-10 19:10:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site peora.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!petsd!peora!randy
From: randy@peora.UUCP (Randy Hendry)
Newsgroups: net.micro.apple
Subject: Re: Disk][write-protect mechanism problems (Oh, woe is me !!)
Message-ID: <1614@peora.UUCP>
Date: Tue, 10-Sep-85 22:10:12 EDT
Article-I.D.: peora.1614
Posted: Tue Sep 10 22:10:12 1985
Date-Received: Thu, 12-Sep-85 09:04:26 EDT
References: <2190005@psuvm>
Organization: Perkin-Elmer SDC, Orlando, Fl.
Lines: 27

I couldn't believe it, so I just opened up one of my drives. Sure enough,
the little plastic arm is part of the entire black case (front) of the
drive. It works by having the arm attached by plastic so thin there as to be
flexible (this is the part I'm sure that broke). The arm then touches the
actual write-protect switch.

I can't think of an easy way to replace this, but I'll pass on
an idea that a friend of mine came up with which works real well.
He has added an extra switch to the front of all his drives. The
switch is single pole, double throw with center off. The way it is
wired is as follows. One position, say up, is connected through the
regular write protect switch and thus functions as an ordinary drive.
The other position (down) bypasses the original write protect switch
and thus the drive will always write regardless of the write protect
tab (real handy for using the back sides of disks if you don't have
a hole punch). The center off position is an open circuit and thus
is the disk is always write protected. This solution in your
situation doesn't provide the exact original functionality, but
will give you a way to write protect disks (center off), or write
disks (down).
--
Randy Hendry   (305) 850-1027
Perkin-Elmer Corporation
MS 795, Southern Development Center

2486 Sand Lake Road, Orlando, FL 32809-7642
{decvax,ucbvax,ihnp4}!vax135!petsd!peora!randy
An overheard promise of computer to terminal: Ascii and ye shall receive.

From 1557163991976372232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffebd0052f01dba0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-11 07:02:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site peora.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!petsd!peora!randy
From: randy@peora.UUCP (Randy Hendry)
Newsgroups: net.micro.apple
Subject: Re: Disk][write-protect mechanism problems (Oh, woe is me !!)
Message-ID: <1620@peora.UUCP>
Date: Wed, 11-Sep-85 10:02:15 EDT
Article-I.D.: peora.1620
Posted: Wed Sep 11 10:02:15 1985
Date-Received: Thu, 12-Sep-85 09:48:30 EDT
References: <2190005@psuvm>
Organization: Perkin-Elmer SDC, Orlando, Fl.
Lines: 13

I wish to modify my statement slightly. After closer examination of my
drives, it appears to me that the plastic switch is a separate piece
that is attached to the black case (by glue? I'm not sure, I didn't
want to break my switch :-). So, I guess the posibility exists to
replace the switch by itself if you can find another one and get
the remains of the old one detached from the case.
--
Randy Hendry   (305) 850-1027
Perkin-Elmer Corporation
MS 795, Southern Development Center
2486 Sand Lake Road, Orlando, FL 32809-7642
{decvax,ucbvax,ihnp4}!vax135!petsd!peora!randy
An overheard promise of computer to terminal: Ascii and ye shall receive.

From 8014487174851192673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2771c420d9a36a4,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,e2771c420d9a36a4,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-09-11 11:23:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site uvicctr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP (Doug Collinge)
Newsgroups: net.micro.apple,net.wanted.sources

Subject: Want Kermit on Apple DOS disk.
Message-ID: <149@uvicctr.UUCP>
Date: Wed, 11-Sep-85 14:23:49 EDT
Article-I.D.: uvicctr.149
Posted: Wed Sep 11 14:23:49 1985
Date-Received: Sat, 14-Sep-85 08:05:38 EDT
Distribution: na
Organization: University of Victoria, Victoria B.C. Canada
Lines: 20
Xref: watmath net.micro.apple:2140 net.wanted.sources:1300

Any kind soul out there got Kermit onto their Apple?
I want it and have the distribution but have been
warned that the booting procedure for the Apple is
horrible. If you have done it send me mail and we
can discuss how I might get a copy of your disk.

I have a 2e with the 80 columns but without the extry
RAM. The interface is a funny one (from Pure Data -
love that name...) which maybe can be coerced to look
like an Apple Communications Card for Kermit's
benefit. I don't have a Z80 card.

--

Doug Collinge
School of Music, University of Victoria,
PO Box 1700, Victoria, B.C.,
Canada, V8W 2Y2
decvax!nrl-css!uvicctr!collinge
decvax!uw-beaver!uvicctr!collinge
ubc-vision!uvicctr!collinge

From 2175260148648787186
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2771c420d9a36a4
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,e2771c420d9a36a4
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-09-11 11:33:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site uvicctr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP (Doug Collinge)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Want Kermit on Apple DOS disk.
Message-ID: <150@uvicctr.UUCP>
Date: Wed, 11-Sep-85 14:33:27 EDT
Article-I.D.: uvicctr.150
Posted: Wed Sep 11 14:33:27 1985
Date-Received: Sat, 14-Sep-85 08:06:19 EDT
Distribution: na

Organization: University of Victoria, Victoria B.C. Canada
Lines: 25
Xref: watmath net.micro.apple:2141 net.wanted.sources:1301

Any kind soul out there got Kermit onto their Apple?
I want it and have the distribution but have been
warned that the booting procedure for the Apple is
horrible. If you have done it send me mail and we
can discuss how I might get a copy of your disk.

I have a 2e with the 80 columns but without the extry
RAM. The interface is a funny one (from Pure Data -
love that name...) which maybe can be coerced to look
like an Apple Communications Card for Kermit's
benefit. I don't have a Z80 card.

If you have the source code I have access to both
the Programmers Toolkit Assembler and Big Mac (Merlin)
and a third one that I don't know much about. I
should be able to handle most assembler formats.

--

Doug Collinge
School of Music, University of Victoria,
PO Box 1700, Victoria, B.C.,
Canada, V8W 2Y2
decvax!nrl-css!uvicctr!collinge
decvax!uw-beaver!uvicctr!collinge
ubc-vision!uvicctr!collinge

From -7186964170687079054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cb38226d1292333b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-11 12:28:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!linus!decvax!ucbvax!ucdavis!lll-crg!seismo!rochester!rocksanne!
sunybcs!ugpiotr
From: ugpiotr@sunybcs.UUCP (Michael Piotrowski)
Newsgroups: net.micro.apple
Subject: apple][+ terminal setting
Message-ID: <2216@sunybcs.UUCP>
Date: Wed, 11-Sep-85 15:28:33 EDT
Article-I.D.: sunybcs.2216
Posted: Wed Sep 11 15:28:33 1985
Date-Received: Sun, 15-Sep-85 05:30:59 EDT
Distribution: net
Organization: SUNY/Buffalo Computer Science
Lines: 10

* HELP.....!!!!! I cannot find the correct terminal type for my

APPLE][+ in order to use vi, etc. I am getting tired of seeing
"]H]K" littered all over my precious work!! Someone suggested
using "vt52", but that doesn't seem to work. Your wisdom or
a good guess is VERY APPRECIATED.

Michael Piotrowski
SUNY @ BUFFALO

:wq
** REPLACE THIS LINE WITH YOUR MESSAGE ***

From 3841510331679514413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2c29eff8e2aaa20e,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2c29eff8e2aaa20e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-11 16:55:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihnss.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Apple III printer interface query
Message-ID: <2618@ihnss.UUCP>
Date: Wed, 11-Sep-85 19:55:13 EDT
Article-I.D.: ihnss.2618
Posted: Wed Sep 11 19:55:13 1985
Date-Received: Thu, 12-Sep-85 12:00:03 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 11
Xref: watmath net.micro:11938 net.micro.apple:2135

A simple question, if you know the answer:
What is the printer interface like on an Apple III (not II)?
Something nice like RS232 serial or Centronics parallel?
Or awful like the Mac and K-mart class home computers?
My wife's church had an Apple III donated, and they need a
letter-quality printer.
     I don't need printer recommendations so much as just
the lowdown on the interface. If it's something standard,
then choice of printer is unlimited; otherwise, what does Apple
charge to take one out of their museum?
     Please respond to ihnp4!ihexp!knudsen. Thanks, mike k

From 357287087213634927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c29eff8e2aaa20e
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,2c29eff8e2aaa20e
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-09-12 07:08:27 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pyuxv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!craig
From: craig@pyuxv.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple III printer interface query
Message-ID: <138@pyuxv.UUCP>
Date: Thu, 12-Sep-85 10:08:27 EDT
Article-I.D.: pyuxv.138
Posted: Thu Sep 12 10:08:27 1985
Date-Received: Fri, 13-Sep-85 04:39:54 EDT
References: <2618@ihnss.UUCP>
Organization: RB Craig @ Bellcore, Piscataway, NJ
Lines: 8
Xref: watmath net.micro:11947 net.micro.apple:2136

>What is the printer interface like on an Apple III (not II)?
>Something nice like RS232 serial or Centronics parallel?

The Pkaso/U is a nice parallel interface printer card which
works in the Apple III (or Apple II, II+, //e).

- - - - - - - - -
..!ihnp4!pyuxv!craig (RB Craig @ Bell Communications Research)

From 3204529688745012261
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c1b9f61d188650ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-12 09:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!uiucuxa!sei239
From: sei239@uiucuxa.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <9800003@uiucuxa>
Date: Thu, 12-Sep-85 12:09:00 EDT
Article-I.D.: uiucuxa.9800003
Posted: Thu Sep 12 12:09:00 1985
Date-Received: Sat, 14-Sep-85 06:21:50 EDT
References: <4881@mit-eddie.UUCP>
Lines: 4
Nf-ID: #R:mit-eddie.UUCP:-488100:uiucuxa:9800003:000:157
Nf-From: uiucuxa.Uiuc.ARPA!sei239   Sep 12 11:09:00 1985

I don't have the instruction manual anymore, but I can answer any questions
regarding the game.
                        Steve Ikenn U. of Ill. (217)328-2914

From -7059153156520328664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3233e9222018f5ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-12 11:29:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pyuxv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!craig
From: craig@pyuxv.UUCP
Newsgroups: net.micro.apple
Subject: ProDOS READ/WRITE GET/PRINT?
Message-ID: <141@pyuxv.UUCP>
Date: Thu, 12-Sep-85 14:29:54 EDT
Article-I.D.: pyuxv.141
Posted: Thu Sep 12 14:29:54 1985
Date-Received: Fri, 13-Sep-85 04:44:35 EDT
Organization: RB Craig @ Bellcore, Piscataway, NJ
Lines: 33

In Applesoft BASIC on my Apple //eE (ProDOS 1.1.1)
I have been unsuccessfully trying to read TXT characters
from one Disk file apply a little logic, and write the
transliterated characters to another Disk file. What's
the glitch? For example: [D$ = CHR$(4)]

```
     PRINT D$;"OPEN <in file>"
     PRINT D$;"READ <in file>"
     GET C$
     [check and possibly translate]
     PRINT C$;
     [loop back to GET until EOF]
     [on EOF CLOSE file(s)]
```

The above works as expected; prints the TXT file to
the screen just fine.

```
If   PRINT D$;"OPEN <out file>"
     PRINT D$;"WRITE <out file>"
```
is added ahead of the GET statement, the program only
responds to C$'s entered on the keyboard. It's as if
the OPEN/READ, which previously worked, is ignored due
to the addition of OPEN/WRITE. Characters entered on
the keyboard are buffered and eventually written to
the <out file>. I have seen no prohibition of this
READ/WRITE GET-PRINT in the manuals. Am I missing
a simple workaround, short of Assembler routine(s).
It's not another bug in ProDOS, surely.
- -
..!ihnp4!pyuxv!craig (RB Craig @ Bell Communications Research)
                                Piscataway, NJ 08854-1300
If you don't like what you see,
you may need to learn to like more things.

From -8865567508475728768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2c29eff8e2aaa20e
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2c29eff8e2aaa20e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-13 10:11:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site well.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!ucdavis!lll-crg!well!elliot
From: elliot@well.UUCP (Elliot Fabric)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple III printer interface query
Message-ID: <186@well.UUCP>
Date: Fri, 13-Sep-85 13:11:31 EDT
Article-I.D.: well.186
Posted: Fri Sep 13 13:11:31 1985
Date-Received: Sat, 14-Sep-85 08:15:05 EDT
References: <2618@ihnss.UUCP>
Reply-To: elliot@well.UUCP (Elliot Fabric)
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 14
Xref: watmath net.micro:11951 net.micro.apple:2142

Apple/// printer interfaces are generally pretty simple.
There is a dealer program floating around called
"Drivers Aid", which has most of the popular drivers
for any peripheral on it, and it is menu driven.
I use a NEC 7700Q spinwriter, I know people using
virtually any name-brand printer. I've been hearing
very favorable commentary on the Star Geminis, Qumes,
Epsons, Necs, Brothers, etc.
  Contact Apple Three Users of Northern Calif.
  220 Redwood Highway, Box 184, Mill Valley, CA 94941
$20/yr covers monthly newsletter, maintains BBSs.
  Also, CompuServe MAUG [key in GO APPLE3] has
a VERY active ongoing 3 support conference.

From 7790174776385662461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4793115d53d0bba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-13 14:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!aer
From: aer@alice.UucP (y)
Newsgroups: net.micro.apple
Subject: Re: Wordprocessor under Pascal?

Message-ID: <4316@alice.UUCP>
Date: Fri, 13-Sep-85 17:55:00 EDT
Article-I.D.: alice.4316
Posted: Fri Sep 13 17:55:00 1985
Date-Received: Sat, 14-Sep-85 07:29:27 EDT
References: <2785@harpo.UUCP>
Organization: Bell Labs, Murray Hill
Lines: 10

My poor disk][drive lost its write-protect sense the same way two years ago, and I didn't mean to do it. Just fell out when it got too strained, I supposed.

Anyway, just string in a SPST switch through the line where the microswitch used to be hooked up, (after disconnecting the now useless microswitch) and you'll find that when connected, your drive will be able to write, and vice versa when the line is open. String the wires out through the back cover of the drive on top of the ribbon cable. I've been working with this arrangement for a while, and I like it better than the old way. One can write all over disks with no write-
protect notches, and one can switch on the write-protect switch for a feeling of security.

From 6124078168818657948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87b02f8b0424f785,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-13 18:54:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!charm!kalucki
From: kalucki@charm.UUCP (John Kalucki)
Newsgroups: net.micro.apple
Subject: Silly WriteProtect Problems
Message-ID: <741@charm.UUCP>
Date: Fri, 13-Sep-85 21:54:56 EDT
Article-I.D.: charm.741
Posted: Fri Sep 13 21:54:56 1985
Date-Received: Sat, 14-Sep-85 17:26:18 EDT
Organization: Physics Research @ AT&T Bell Labs Murray Hill NJ
Lines: 28

>I couldn't believe it, so I just opened up one of my drives. Sure enough,
>the little plastic arm is part of the entire black case (front) of the
>drive. It works by having the arm attached by plastic so thin there as to be
>flexible (this is the part I'm sure that broke). The arm then touches the
>actual write-protect switch.

This same thing happened to a friend on mine, and I can see how it could happen to any Apple that is used by a large number of "uncaring" users. The way that these little black swiches are torn out suggests abuse by users. It may not be the case every time, but...

Anyway, it seems that these switches get torn out when someone yanks a disk out of the drive quickly. They write-protect notch gets caught (the poor thing
can't "get out of the way" fast enough) and breaks the switch. It seems logical that it would get caught more often on home-made w-p-notches, because they are usually more ragged than the normal ones. Also, sticking *too* many of those write-protect stickers on the disk, making the disk too big to fit in the drive, also causes these switches to become caught on that gooey stuff left over from the n-th replacement of such stickers.

If I ever had to run a lab with many Apples used by many students, some less considerate that others, I would stress the *careful* removal of disks, and the inspection of the notch area before inserting the disk. I have had my Apple a good five or so years, and have never had any troubles.

-John Kalucki @ Physics Research @ Bell Labs, Murray Hill, NJ
...!ihnp4!charm!kalucki ^^^
|
Its really Berkeley Hts., NJ, but
me? Complain? Never!

From 4150115108541901352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cb38226d1292333b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-14 04:31:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ucbvax!ucdavis!lll-crg!
seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: apple][+ terminal setting
Message-ID: <1498@brl-tgr.ARPA>
Date: Sat, 14-Sep-85 07:31:06 EDT
Article-I.D.: brl-tgr.1498
Posted: Sat Sep 14 07:31:06 1985
Date-Received: Tue, 17-Sep-85 05:14:30 EDT
References: <2216@sunybcs.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 27

I wish people would READ this newsgroup and not just post
requests to it. The issue of Apple termcaps has come up
repeatedly. The answer is, IF you are just using the
built-in ROM firmware to display characters, then you are
going to have a hard time using the Apple as a terminal
with "vi" and other termcap/terminfo-using programs. This
is primarily because of the lack of a real carriage-return.
80-column Apples have problems keeping up with higher baud
rates (they lose incoming data while scrolling). The new
Enhanced //e and //c ROMs are better about this.

The ONLY satisfactory way to use an Apple II as a terminal
is to run a terminal emulation program on it. Many of the
communication software disks that come with plug-in modems,
as well as communication software that can be purchased
separately, act as terminal emulators. Usually they
emulate a simple, well-known terminal such as an ADM3A or
VT52. The instructions that come with the software should
tell you what terminal is being emulated. Set your UNIX
TERM environment variable to whatever is being emulated.
If you stole your software and therefore have no
instructions, tough -- don't expect sympathy or advice.

I have posted an 80-column Apple //e termcap entry several
times and will not repeat it at this time. It is for the
RAW Apple (built-in ROM display firmware) only, and as I
said this mode makes an unsatisfactory display terminal.

From 7047072502477973617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31046b4d2c4b2b5a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-15 12:27:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!mhuxv!mhuxh!mhuxj!mhuxn!charm!
kalucki
From: kalucki@charm.UUCP (John Kalucki)
Newsgroups: net.micro.apple
Subject: AE & VI
Message-ID: <749@charm.UUCP>
Date: Sun, 15-Sep-85 15:27:37 EDT
Article-I.D.: charm.749
Posted: Sun Sep 15 15:27:37 1985
Date-Received: Mon, 16-Sep-85 03:13:38 EDT
Organization: Physics Research @ AT&T Bell Labs Murray Hill NJ
Lines: 26

>* HELP......!!!!! I cannot find the correct terminal type for my
> APPLE][+ in order to use vi, etc. I am getting tired of seeing
> "]H]K" littered all over my precious work!! Someone suggested
> using "vt52", but that doesn't seem to work. Your wisdom or
> a good guess is VERY APPRECIATED.
>
>   Michael Piotrowski
>   SUNY @ BUFFALO

     I had the same trouble. I just gave up. At 1200 baud, my
80 col. board just couldn't handle the data coming in. I suppose it
would work at 300 baud, but VI at 300, euch!
     About the vt52 problem: Go into the menu to make a macro,
pick emulation ON, and 5 for input, 6 for output. (if this doesn't

work, just switch 'em) Save the macro. Write the little text file
MACRO.LIB the way they say in the docs (if you don't have them,
leave me e-mail, I'll be more specific), and then boot AE. Load in
the macro, then call UNIX...

```
          -John Kalucki @ Physics Research @ Bell Labs, Murray Hill, NJ
          ...!ihnp4!charm!kalucki              ^^^
                                        |
                        Its really Berkeley Hts., NJ, but
                        me? Complain? Never!
```

usual disclaimer. Unix is copywrited by someone, and so is VI and AE.

From -7320352145034550901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f53801228f4e300,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-15 18:14:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watnot!watrose!cjsgro
From: cjsgro@watrose.UUCP (Carlo Sgro)
Newsgroups: net.micro.apple
Subject: ae 1200 baud problems
Message-ID: <7536@watrose.UUCP>
Date: Sun, 15-Sep-85 21:14:56 EDT
Article-I.D.: watrose.7536
Posted: Sun Sep 15 21:14:56 1985
Date-Received: Mon, 16-Sep-85 03:12:23 EDT
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 20

i have run across a problem when i use ascii express or ascom (under cp/m) to talk to unix at 1200 baud. i frequently lose the first (in ae) or second (in ascom) character. this doesn't happen at 300 baud and no other characters are lost. i am currently operating with an emp 1200b modem but will be changing to a smartteam modem within the week. my serial card is the apple super serial. i am still running 40 columns and find that the problem occurs every time thaty the left side of the screen is reached (i.e. at the start and dead-centre of lines). any suggestions?

--

Carlo Sgro
...![ihnp4||decvax||allegra||clyde||utzoo]!watmath!watrose!cjsgro

Formerly: ...!watmath!watcgl!electro!carlo
and Also: ...!ihnp4!chinet!dagwood

"ihnp4 Express: Overnight to the USA or you don't pay!"

From -7301151073319381053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4784f9d011f21c0b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-17 10:36:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site sri-unix.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!petsd!pesnta!
hplabs!sri-unix!salem
From: salem@sri-unix.ARPA (Bruce B. Salem)
Newsgroups: net.micro.apple
Subject: Shift Key Mod for Apple][+
Message-ID: <194@sri-unix.ARPA>
Date: Tue, 17-Sep-85 13:36:13 EDT
Article-I.D.: sri-unix.194
Posted: Tue Sep 17 13:36:13 1985
Date-Received: Sat, 21-Sep-85 05:10:32 EDT
Organization: SRI, Menlo Park, CA.
Lines: 12

    This is a question about the way a shift-key mod would be done on
a Apple][+ purchased in August 1981. This enables use of the shift key
with software/hardware that handles upper and lower case ASCII characters.
I have an 80-column board in Slot 3. I have heard about very simple
ways to enable the shift key, but need a specfic recipe for one. Do all
of these involve attaching a jumper between a pin on the keyboard
controller and the game i/o controller? My game port currently has a
joystick attached.
   Thanks, in advance, for any help.

   Bruce B. Salem   (arpa: salem@sri-unix)

From -3880295287004413093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c9bed61da89a6e9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-17 10:49:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site micomvax.UUCP
Path: utzoo!linus!philabs!micomvax!belanger
From: belanger@micomvax.UUCP (Robert Belanger)
Newsgroups: net.micro.apple
Subject: SKYFOX
Message-ID: <511@micomvax.UUCP>
Date: Tue, 17-Sep-85 13:49:38 EDT
Article-I.D.: micomvax.511
Posted: Tue Sep 17 13:49:38 1985
Date-Received: Fri, 20-Sep-85 01:35:02 EDT

Reply-To: belanger@micomvax.UUCP (Robert Belanger)
Distribution: net.micro.apple,net.micro.cbm,net.games
Organization: Philips Information Systems - St. Laurent P.Q., Canada
Lines: 42
Summary:

I've just bought yesterday the new game from Electronic Arts called
SKYFOX, it's really an impressive game.

First of all it's a combat simulation where you have to save your base from
the enemies who want to destroy your base. You have 15 scenarios (ranging from
training mission to massive onslaught) and 5 skill levels (from cadet to
Ace of the Base).

The animation on the machine is fantastic and very, very fast. The colors are
great, the sound track is good (you have music in the beginning and after
that sound effects) .

You start by choosing a scenario and a level, and you are on your way.
The first 7 scenarios are training ones and the other ones are actual attacks.

The game has the following features:
- Auto pilot to the enemies
- Help with your fight
- Radar view
  - View from above
  - View forward
- Guided missiles
- Heat seeking missiles

You can go up to 3000 MPH which is very,very fast. An example: as cadet
on the tank training 1 (lowest level) you go up to 200 MPH and it's very fast

Tanks will shoot you from below and planes from above, but you will only fight
one of the two because the tanks are on the ground (of course) and the planes
fly between 30 000 and 40 000 feet in the air . So you have to use your
afterburners to get you up there.

You have five skyfoxes (lives) but you can abort the game at any time.

Your onboard computer is really nice but hard to use in the beginning,
(I've only had it for 1 day) but is really helpful.

All in all the graphic are excellent and reasonably priced: $39,95 CDN
for the commodore 64 version, I think the apple version is the same.
which is a very good price. I highly recommend it to all gamers because
even though I don't really like arcade games, I love this one.

From 5724695379443773972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3233e9222018f5ef

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-17 11:54:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site dadla.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!tektronix!teklds!dadla!jamesp
From: jamesp@dadla.UUCP (Jim Perkins)
Newsgroups: net.micro.apple
Subject: Re: ProDOS READ/WRITE GET/PRINT?
Message-ID: <419@dadla.UUCP>
Date: Tue, 17-Sep-85 14:54:01 EDT
Article-I.D.: dadla.419
Posted: Tue Sep 17 14:54:01 1985
Date-Received: Thu, 19-Sep-85 06:25:21 EDT
References: <141@pyuxv.UUCP>
Reply-To: jamesp@dadla.UUCP (Jim Perkins)
Organization: Jupiter Phase, Beaverton, OR
Lines: 108

In article <141@pyuxv.UUCP> craig@pyuxv.UUCP writes:
>In Applesoft BASIC on my Apple //eE (ProDOS 1.1.1)
>I have been unsuccessfully trying to read TXT characters
>from one Disk file apply a little logic, and write the
>transliterated characters to another Disk file....

You should be aware that DOS (whether it is 3.3 or ProDOS) only knows how to perform an operation on one file at a time, although you can have as many open files as the DOS MAXFILES command allows.

Example:

Read in 100 characters from F1$, transform, and write to F2$, where F1$="INFILE.TXT" and F2$="OUTFILE.TXT", or any other strings that turn you on.

This works because DOS only knows how to "WRITE" until another DOS command comes along. Likewise, DOS only knows how to "READ" until another DOS command comes along.

```
  .
  .
  .
1000 REM READ & TRANSFORM
1005 D$ = CHR$(4)
1100 REM OPEN FILES
1105 PRINT D$; "OPEN "; F1$
1110 PRINT D$; "OPEN "; F2$
1200 REM READ, XFORM, & WRITE
1210 FOR I = 1 TO 100
1220 PRINT D$; "READ "; F1$: REM THIS NEGATES ANY PRIOR READ OR WRITE
     STATEMENT
1230 GET C$
1240 GOSUB 2000: REM TRANSFORM C$
```

```
1250 PRINT D$; "WRITE "; F2$: REM THIS NEGATES ANY PRIOR READ OR WRITE
     STATEMENT
1260 PRINT C$;
1270 NEXT I
1280 PRINT D$; "CLOSE "; F1$
1290 PRINT D$; "CLOSE "; F2$
  .
  .
  .
2000 REM TRANSFORM C$
  .
  .
  .
2099 RETURN
  .
  .
  .
```

Another Example:

Read in 100 characters from F1$, transform, and write to F2$,
All the time writing to the screen what is coming from F1$
where F1$="INFILE.TXT" and F2$="OUTFILE.TXT", or any
other strings that turn you on.

Note that this means we must "turn off" DOS output by
printing a "null DOS command", a lone CHR$(4).

```
  .
  .
  .
1000 REM READ & TRANSFORM
1005 D$ = CHR$(4)
1100 REM OPEN FILES
1105 PRINT D$; "OPEN "; F1$
1110 PRINT D$; "OPEN "; F2$
1200 REM READ, XFORM, & WRITE
1210 FOR I = 1 TO 100
1220 PRINT D$; "READ "; F1$: REM THIS NEGATES ANY PRIOR READ OR WRITE
     STATEMENT
1230 GET C$
1232 PRINT D$: REM THIS NEGATES ANY PRIOR READ OR WRITE STATEMENT
1234 PRINT C$;: REM PRINT INPUT CHARACTER ON SCREEN
1240 GOSUB 2000: REM TRANSFORM C$
1250 PRINT D$; "WRITE "; F2$: REM THIS NEGATES ANY PRIOR READ OR WRITE
     STATEMENT
1260 PRINT C$;
1270 NEXT I
1280 PRINT D$; "CLOSE "; F1$
1290 PRINT D$; "CLOSE "; F2$
  .
  .
  .
```

```
     2000 REM TRANSFORM C$
       .
       .
       .
     2099 RETURN
       .
       .
       .
```

Hope this answers your question!

--

```
                         \   |   /
James T. Perkins              \ | /       "Roads?  Where we're
========================================= O - - -  going we don't NEED
tektronix!dadla!jamesp             / | \        Roads..."
                         /   |   \
```

A.A.A.A.A.: An organization for drunks who drive

From -281748949674253913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2771c420d9a36a4
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,e2771c420d9a36a4
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-09-17 12:47:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site lanl.ARPA
Path: utzoo!decvax!ucbvax!ucdavis!lll-crg!gymble!umcp-cs!seismo!cmcl2!lanl!djw
From: djw@lanl.ARPA
Newsgroups: net.micro.apple,net.wanted.sources
Subject: Re: Want Kermit on Apple DOS disk.
Message-ID: <30760@lanl.ARPA>
Date: Tue, 17-Sep-85 15:47:12 EDT
Article-I.D.: lanl.30760
Posted: Tue Sep 17 15:47:12 1985
Date-Received: Thu, 19-Sep-85 01:19:25 EDT
References: <150@uvicctr.UUCP>
Reply-To: djw@a.UUCP (David Wade)
Distribution: na
Organization: Where God decreed skies should be purple and the beaches are 1000 miles long.
Lines: 8
Xref: ucbvax net.micro.apple:2125 net.wanted.sources:1407

I'ld also like to get a copy of a Kermit disk. I have a plain vanilla
Apple][c. Does anyone know if the Apple Kermit will work on a two-see?

Dave Wade,

Keeper of frogs for Los Alamos National Labs...
I have the latest MacKermit and it works well on everything except a Cray,
but that will be fixed soon.

From 7817156720237641033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f25f4b63b689da5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-17 14:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-msbvax.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!dual!lll-crg!gymble!umcp-cs!seismo!
rochester!ur-msbvax!edc
From: edc@ur-msbvax.UUCP
Newsgroups: net.micro.apple
Subject: Need Communications Program
Message-ID: <5100001@ur-msbvax.UUCP>
Date: Tue, 17-Sep-85 17:48:00 EDT
Article-I.D.: ur-msbva.5100001
Posted: Tue Sep 17 17:48:00 1985
Date-Received: Fri, 20-Sep-85 05:36:29 EDT
Organization: University of Rochester: Math, Stat, Bio-Stat
Lines: 13
Nf-ID: #N:ur-msbvax:5100001:000:437
Nf-From: ur-msbvax!edc   Sep 17 17:48:00 1985

A friend needs a communications program to connect an Apple][+
via modem to a main frame. Nothing fancy - but he does need the ability
to send and receive external files. We'd be grateful if anyone would send
us a public domain source in BASIC that can do it - or let us know of any
inexpensive sources.

Thanks very much.

Eric Carleen
UUCP: {allegra, seismo}!rochester!ur-msbvax!edc
Bitnet: heartedc@uordbv
Phone: (716)-275-5391

From 10231556203077103 76
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a368a4a947b9b7f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-17 18:52:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site stolaf.UUCP
Path: utzoo!decvax!bellcore!petrus!sabre!zeta!epsilon!gamma!ulysses!mhuxr!mhuxn!
ihnp4!stolaf!poxon
From: poxon@stolaf.UUCP (Walter D. Poxon)

Newsgroups: net.micro.apple
Subject: Re: Super-Serial HELP!
Message-ID: <4918@stolaf.UUCP>
Date: Tue, 17-Sep-85 21:52:03 EDT
Article-I.D.: stolaf.4918
Posted: Tue Sep 17 21:52:03 1985
Date-Received: Thu, 19-Sep-85 01:12:10 EDT
References: <350@midas.UUCP>
Distribution: na
Organization: St. Olaf College, Northfield MN
Lines: 67

>
> HELP! I have an Apple Super Serial card that I'm trying to use with an
> external modem. My system consists of a //e with extended 80-column
> card, the super serial card, and a parallel printer interface.
>
> When I put the Super Serial into dumb terminal mode, two things happen:
>
> 1. With nothing connected to the D25 connector, and local echo enabled,
> all appears well in 40-column mode. But if the Super serial is put into
> dumb tty mode using 80-col. mode, the cursor always remains in column 2
> of the current active line. Aside from this, all else seems normal --
> but with no cable attached.
>
> 2. After entering dumb tty mode (and verifying it using local echo), I
> connected the modem (VADIC 34xx, VA212, US Robotics -- doesn't make any
> difference) using a "standard" cable. I've been using said cable with
> my dumb terminal and no problems, so I don't suspect the cable -- I can
> loop back TXD to RXD without connecting DSR or DTR and actually echo to
> the screen of the //e. But connect a modem (who will assert DSR), and
> the Apple is now a very dumb terminal! It does assert DTR, but will not
> respond to keyboard input -- my last test involved using the modems
> loopback capability, so anything sent should have been echoed.
>
> Questions:
>
>   1. Has anyone seen this problem?
>   2. Has anyone used a Super Serial successfully with a //e?
>   3. Is DSR killing me? If so, WHY?
>
> So far all I've gotten from my dealer is a $25 bill for "Warrantee
> service -- No problem found"(!), and "it's probably your configuration".
> Since my box was purchased as a complete system, I've got to thinking --
> Do they run diagnostics on these things? Doesn't "configured for use
> with modem" mean configured for use with a modem?
>
> PLEASE, if you have any solid information -- send it my way! At the
> moment I suspect that I'm going to run into the "Well, we found a
> problem -- but you're 2 days out of warrantee" syndrome. Grrrr.
> (Sorry about the editorial comments, but if net-people won't listen,
> who will?)
>

>
> --
>
> ------------------------------------
> UUCP: tektronix!midas!chriss
> USMAIL: Chris Shirkoff
>   Tektronix, Inc.,
>   PO Box 4600 MS 94-442
>   Beaverton, Oregon 97075

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
I have an Apple //e with a Super Serial card and have found a way
to use a Prometheus Promodem at 1200 baud without any characters
dropping. The problem wasn't the slow firmware in the card, but
rather the way the card didn't work with my 80col card. The solution
was to use a Microsoft Premium Softcard //e (Z80 processor, 64k addit.
memory and an 80 col card all on one huge board) as my video interface.
For reasons unknown to me, this configuration works perfectly!

     Feel free to mail me with any questions regarding dip switch
settings, cables, modem configs. or anything... I've spent two years
trying to get to this point and I might be able to help. Keep trying,
it feels great when 120cps fly across your Apple screen!

          Walter Poxon
          ihnp4!stolaf!odin

From 4800961378611348822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcf2e1d5ea807859
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-18 11:33:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!petsd!pesnta!
hplabs!utah-cs!halff
From: halff@utah-cs.UUCP (Henry M. Halff)
Newsgroups: net.micro.apple
Subject: Re: Educational Software
Message-ID: <3474@utah-cs.UUCP>
Date: Wed, 18-Sep-85 14:33:11 EDT
Article-I.D.: utah-cs.3474
Posted: Wed Sep 18 14:33:11 1985
Date-Received: Sat, 21-Sep-85 05:11:18 EDT
References: <448@cmu-cs-spice.ARPA>
Organization: Univ of Utah CS Dept
Lines: 21

>A friend of mine who is a facilitator at a nearby high school has been
>given a bunch of Apple IIe's and told help teachers make use of them. Does
>anyone know of some high quality educational software that could be used in
>advanced high school classes? I would really appreciate any suggestions.

One of the best things you can do for high school kids is to introduce them to real uses of computers: word processing, spreadsheets, file managers, telecommunications. So it wouldn't be a bad idea to get something like Appleworks which covers some of these functions. Programming is another obvious application.

As far as educational software goes, let me recommend two programs: Rocky's boots from The Learning Company (if they're still in business) and Green Globs from Conduit. The former deals with digital logic (albeit not in a form faithful to real digital circuits). The latter deals with graphs of polynomial functions. Both are in game formats that require active and creative thought about the subject matter.

Henry M. Halff, Halff Resources, Inc.
halff@utah-cs

From -8416655799456745236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,647b97fd8d726fa2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-18 12:42:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 +MMDF+2.11; site ukc.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!ukc!msp
From: msp@ukc.UUCP (M.S.Parsons)
Newsgroups: net.micro.apple
Subject: Need full width screen dump (Apple IIe + Epson printer)
Message-ID: <235@ukc.UUCP>
Date: Wed, 18-Sep-85 15:42:18 EDT
Article-I.D.: ukc.235
Posted: Wed Sep 18 15:42:18 1985
Date-Received: Sat, 21-Sep-85 10:08:26 EDT
Reply-To: msp@ukc.UUCP (Mike Parsons.)
Organization: U of Kent at Canterbury, Canterbury, UK
Lines: 16

Excuse me if this is trivial, but I'm new to Apples:

I am using an Apple IIe and I need to dump the screen to the printer. I have a binary program that somebody else wrote to this. It works fine - except that the dump it produces is not big enough. I would like the screen to fill the entire width of my Epson MX80 printer, at the moment it fills only about half the width.

Is this just a simple printer switch? Does the Apple have to repeat each pixel? Does anybody out there have a program which will produce full width o/p? Would they like to send it somehow? I would be most grateful.

Thanks, Mike.

Mike Parsons UUCP: ..!seismo!mcvax!ukc!msp ARPA: MSP%UKC@UCL-CS.ARPA
JANET: MSP%UKC@UCL-CS MAIL: Computing Lab, Univ. of Kent, Canterbury, Kent, UK.

From -8425923194691436739
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8629d54f2be1db35,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-18 15:52:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site csd2.UUCP
Path: utzoo!linus!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!csd2!lanin
From: lanin@csd2.UUCP (Vladimir Lanin)
Newsgroups: net.micro.apple
Subject: Looking for programmer
Message-ID: <3270001@csd2.UUCP>
Date: Wed, 18-Sep-85 18:52:00 EDT
Article-I.D.: csd2.3270001
Posted: Wed Sep 18 18:52:00 1985
Date-Received: Sun, 22-Sep-85 18:46:38 EDT
Organization: New York University
Lines: 12

I am posting this for a friend, so please do not respond to me
---

A computer software company is looking for a top-notch programmer
to translate a text adventure game (based on Star Trek) written
in C from Apple II to Commodore 64.

Very high pay, possibility of royalties.

Start immediately, 3-4 week project.

Phone Larry at (212) 864 8288

From -5936260741752498471
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d3930a245b26b65
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-18 17:11:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.uucp
Path: utzoo!utcs!flaps
From: flaps@utcs.uucp (Alan J Rosenthal)
Newsgroups: net.micro.apple
Subject: Re: Hackers delight - AppleII question
Message-ID: <871@utcs.uucp>
Date: Wed, 18-Sep-85 20:11:43 EDT
Article-I.D.: utcs.871
Posted: Wed Sep 18 20:11:43 1985
Date-Received: Wed, 18-Sep-85 21:22:17 EDT

References: <976@bunker.UUCP>
Reply-To: flaps@utcs.UUCP (Alan J Rosenthal)
Organization: University of Toronto - General Purpose UNIX
Lines: 19
Summary:

DOS circumvents most of the properties of the normal system I/O. In particular, it requires that the input and output hooks in $3[6-9] point to DOS rather than COUT or whatever. So 3^P screws this up because it changes them.
You should do a PR#3 instead. Even from the monitor. PR# is a basic command, yes, but it is also a DOS command. And that takes precedence when DOS is installed. DOS will change its own hooks to the 80-column card, but leave the monitor hooks pointing to DOS so that DOS gets first crack at all the I/O.
And from a basic program, you should do

```
PRINT CHR$(4);"PR#3"
```

not

```
PR#3
```

. And from an assembly language program you should output the sequence PR#3^M to $FDED.

Alan J Rosenthal
{decvax|ihnp4|cbosgd|etc}!utzoo!utcs!flaps

From -2065646403972347432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8629d54f2be1db35
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 08:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site csd2.UUCP
Path: utzoo!linus!philabs!cmcl2!csd2!lanin
From: lanin@csd2.UUCP (Vladimir Lanin)
Newsgroups: net.micro.apple
Subject: Re: Looking for programmer
Message-ID: <3270002@csd2.UUCP>
Date: Thu, 19-Sep-85 11:17:00 EDT
Article-I.D.: csd2.3270002
Posted: Thu Sep 19 11:17:00 1985
Date-Received: Sat, 21-Sep-85 10:40:33 EDT
References: <3270001@csd2.UUCP>
Organization: New York University
Lines: 2

I forgot to add that the company is located in New York City.
(I was not quite sure how to limit distribution to this area.)

From 5125186866829145261
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,7b502d553a624c8e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 09:32:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <9800008@uiucuxa>
Date: Thu, 19-Sep-85 12:32:00 EDT
Article-I.D.: uiucuxa.9800008
Posted: Thu Sep 19 12:32:00 1985
Date-Received: Sat, 21-Sep-85 03:42:11 EDT
References: <188@ski.UUCP>
Lines: 31
Nf-ID: #R:ski.UUCP:-18800:uiucuxa:9800008:000:1527
Nf-From: uiucuxa.Uiuc.ARPA!ldr292   Sep 19 11:32:00 1985

I personally have worked with TASC, Einstein, and with SpeedStar and found that Einstein is probably the best. As you stated though, It's no longer being sold. Oh well. However I'll tell you why I like it over TASC.

The TASC compiler runs through a three stage compilation, first it check for bugs or errors it the program that it can't compile. Then it ,if there are no errors, starts compilation (stage 2) and third it compacts the code and writes it to a file.

This file is a binary file and can only be BRUN after another file RUNTIME has been BLOADed into memory. This is a real pain!!!

Einstein however completes compilation in one pass (and also will compile commands such as graphics) that TASC has problems with. After compilation Einstein writes the compiled file as a fake APPLESOFT file. In other words it fool the computer into thinking that the compiled file is really in BASIC. It sort of is. If you try to list it you will see only one line, that looks like this:

```
CALL XXXXXX
```

What this means is that the compilied program resides about $805 in memory and that the program CALLs it. Much more effiecient. and its faster!!!!!

If you get desperate I may be able to up load the Einstien File. (I deprotected my original so that I can load my file, then BRUN Einstein, then save the new file. Its so much easier than the other way.

Leonard Rosenthol

uiucuxa
... An Apple a day keeps IBM away.....

From 5696474397995750535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed484d42dee61b2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-09-19 09:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxa
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!uiucuxa!ldr292
From: ldr292@uiucuxa.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <9800009@uiucuxa>
Date: Thu, 19-Sep-85 12:37:00 EDT
Article-I.D.: uiucuxa.9800009
Posted: Thu Sep 19 12:37:00 1985
Date-Received: Sat, 21-Sep-85 03:42:23 EDT
References: <4844@mit-eddie.UUCP>
Lines: 8
Nf-ID: #R:mit-eddie.UUCP:-484400:uiucuxa:9800009:000:166
Nf-From: uiucuxa.Uiuc.ARPA!ldr292   Sep 19 11:37:00 1985

   Have you tried reading the HOMEWORD.HELP file on the original disk?

... Look for a worm in your Apple.....

                                Leonard Rosenthol

From -2315325196973570379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ad020d5cf8b9d099,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-06 11:22:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!duke!ndd
From: ndd@duke.UUCP (Ned Danieley)
Newsgroups: net.micro.apple
Subject: C compilers for apple II plus
Message-ID: <5902@duke.UUCP>
Date: Thu, 6-Jun-85 14:22:01 EDT
Article-I.D.: duke.5902
Posted: Thu Jun 6 14:22:01 1985
Date-Received: Mon, 10-Jun-85 06:48:23 EDT
Organization: Duke University
Lines: 7

I know this has probably been discussed before, but,
as usual, I just found out that I have a need for the

info. Any and all info on C compilers for the Apple II
would be greatly appreciated.

Ned Danieley
duke!ndd

From 7444326158394378998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-07 17:29:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fritz.UUCP
Path: utzoo!decvax!genrad!grkermi!panda!talcott!harvard!seismo!hao!hplabs!pesnta!
pertec!felix!fritz!zemon
From: zemon@fritz.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <2948@fritz.UUCP>
Date: Fri, 7-Jun-85 20:29:30 EDT
Article-I.D.: fritz.2948
Posted: Fri Jun 7 20:29:30 1985
Date-Received: Sun, 9-Jun-85 13:40:29 EDT
Distribution: na
Organization: FileNet Corp., Costa Mesa, Ca.
Lines: 10

Manx software systems has an MS-DOS editor called Z which is a
close copy of VI. A friend of mine has it and is extremely
happy with it.

Manx (800) 221-0440

--
     -- Art Zemon
        FileNet Corp.
        ...! {decvax, ihnp4, ucbvax} !trwrb!felix!zemon

From 3243566918618568493
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12da6b,613449cc1b791d72,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 121a8b,613449cc1b791d72,start
X-Google-Attributes: gid121a8b,public
X-Google-Thread: 152df8,613449cc1b791d72,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,613449cc1b791d72,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-08 04:15:37 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!think!harvard!talcott!
panda!genrad!decvax!ittvax!dcdwest!sdcsvax!noscvax!uhpgvax!islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.mac,net.micro.apple,net.lang.c,net.lang.apl
Subject: Ramblings 6/7 - APL & C for Mac
Message-ID: <1190@islenet.UUCP>
Date: Sat, 8-Jun-85 07:15:37 EDT
Article-I.D.: islenet.1190
Posted: Sat Jun 8 07:15:37 1985
Date-Received: Wed, 12-Jun-85 07:25:56 EDT
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 143
Xref: watmath net.micro.mac:1674 net.micro.apple:1961 net.lang.c:5364
net.lang.apl:153

Mac C & APL
By J Fields

While Macintosh seems to be the computer for the rest of us, what about all of the people who are use to the run-of-the-mill type of old standard computers? What about people who like the usefulness of business languages like COBOL for coding business programs, or the speed and compactness of machine language for requirements that are speed or space critical? Fortunately, new tools are coming along. In recent months we've seen the arrival of both high-level languages like Basic, Forth, and Pascal (perhaps we'll even see COBOL soon); as well as machine level tools like MacASM for getting down to the nitty-gritty bits. (MacASM, by the way, is pronounced MAC-A-S-M with 'asm' spelled out so it doesn't sound like something out of Master's & Johnson's....)

My own observation is that the MAC is turning out to be a very good platform to implement both high-level and low-level tools on. Not only is the Mac user interface appropriate for writers of executive memos and high-tech scribblers, but it also lends itself well to programming -- I no longer have to write the same code twice. The first language to show me this was HIPPO-C.

Level one of Hippo-C comes with a well written and easy to use tutorial. How many languages have you learned by trudging through the books entering sample programs one at a time by hand? With Hippo you can cut and paste the samples right out of the tutorial on your screen. Want to experiment? Well, you can use many of the same editing techniques you've been using in popular word processing programs to modify the sample programs. So, instead of the program printing out Chris Somebody's name on your screen it can print out yours, or perhaps some favorite salutation, "Damn the torpedoes...."

Today something new and exciting came along. Dr. Jerry Brenan, who works in the University of Hawaii's Psychology department, introduced me to APL on the Macintosh. This was particularly exciting because I've not even seen

APL advertised for the Mac, and did not know it was available. Don't all software producers start advertising months in advance of product availability?

Now, if you're like I was before I knew about APL then you're probably sitting there asking yourself to reconsider your initial decision to read this particular article. Such would have been my reaction at the very mention of a 'new language.' The minds and bodies of programmers seem to develop some sort of defense mechanism with time.

"We are not going to suffer these long hours while you learn every new thing that comes along." they seem to say.

They may have a point. After all, you've hardly touched that 'good ole' MDL-2+ after the time you spent learning it (never mind what it cost -- the investment you made, the backup disks, and the surprise upgrade to super-duper version 1.2XXX-rev. A to mod. II). Still, APL is worth checking out. It might just knock your socks off.

APL stands for "A Programming Language." It's a language that seems particularly well suited to working with numbers. Jerry showed me how, with five or six characters, he could almost instantly fill an array with 10,000 randomly generated numbers. "Hm, seems kind of fast," he murmured. Four keystrokes later the sum of all 10,000 numbers was displayed just as quickly. It was my turn to be impressed. "Try doing that in Applesoft," I thought to myself.

Psychologists, like Dr. Brenan, can use APL to perform statistical analysis. In fact, Dr. Brenan has programmed, in APL, a statistics package called STAT 1 that runs on PC-DOS machines. He will very likely be producing it for the Mac soon judging from his reaction to the Mac. Rather than try to interpret what he presented to me, here are a few paragraphs from his brochure on STAT 1:

"STAT 1 brings powerful research tools to the office desk. It is ideal (a) as a statistics learning tool; (b) as an introduction to computer-based research; (c) as a set of statistical analysis tools. STAT 1 takes data from initial coding and documentation through printing the final analysis with titles and footnotes. STAT 1 helps the user pick appropriate statistics with its 'statistical decision tree,' and provides topical help screens at the touch of a key.

"STAT 1 is reasonably priced, easy to learn, requires no special language, and comes with a comprehensive manual that focuses on application examples. STAT 1 requires no computer programming, but presents all choices in easy-to-use menu form. The user simply selects a procedure from the menu and presses Return. STAT 1 prompts for critical inputs through each step of the analysis. The program is ideal for offices and agencies in which a number of people must analyze research, but do not have time to master complex mainframe statistical packages.

"STAT 1 provides all basic statistical procedures, beginning with simple descriptive statistics crosstabulations and data transformation, and

working through to powerful correlation, analysis of variance, and regression routines. STAT 1's full-screen editor gives the user complete control over data entry and correction. Robust data transformation procedures help correct for bias in data, and unique date-arithmetic functions provide a tool for analyzing administrative data."

There, I couldn't have said that better myself. I want to stress that Dr. Brenan also offers a text version of the STAT 1 manual that is suitable for use as an introductory text for teaching statistics. My feeling is that if you've never studied statistics, but think you could benefit from applying statistics in your work environment, then STAT 1 would be a good package to pick up both for learning stats and for later applying them.

STAT 1 is offered at $179.95 and requires an IBM-PC or a "99% compatible" personal computer with 256K bytes of memory and two floppy disk drives or one floppy disk and one fixed disk drive. It will use an 8087 math processor chip automatically if one is installed, and uses all available computer memory. To order contact me via Compuserve 76174,456; USENET ..islenet/jayf ; SOURCE CL3035; phone, 808/521-4487; or mail, c/o IDSC, 1251 Heulu St. #107, Honolulu, Hawaii 96822-3085. If you have a bankcard or can send a check I'll relay the order to a stocking dealer.

STAT 1 is an example of the usefulness of APL. If you have math intensive applications APL is probably a good tool to add to your kit bag. Other uses I can think of are for stock market analysis, financial modeling, engineering, and business management. APL comes with its own tutorial built in, a terminal program for hooking up with mainframes -- my bet is that you could use this to hook with Dow Jones for rapid-fire price analysis -- and a menu generator.

Don't overlook this last item. Have you ever wondered how programmers go about setting up the menus on Mac with all those buttons, text boxes, and icons? APL is worth getting just to see how it's done. However, you do not have to buy APL. You can pick up the free demo disk. The demo disk has all of the same features, but does not allow you to Save. If you want a copy, send an INITIALIZED blank Macintosh disk labeled with your name & address along with a SASE and $1.00 to the above address; I'll fire a copy of the APL sample back to you. The buck is to buy peanuts for the chipmunks that keep my disk drives spinning -- you gotta feed the chipmunks occasionally or they go away.

What has become increasingly clear is that the MAC is not just the machine for the rest of us, it's THE MACHINE FOR ALL OF US. Being able to learn a new language like C or APL with out laboring over the manuals is a big advantage. Being able to pull down the tutorial anytime you need to while you're in the middle of coding something is also helpful. But the icing on the cake was seeing Dr. Brenan's reaction to the MAC (I was calling him "Jerry" until I sat down to write this and discovered with alarm that he's a phd, someone I may well end up taking classes from someday, and someone who should certainly be addressed as Dr. so-and-so...).

"This is fast," he said. "This is much faster than the 8088."

-Cheers-
J Fields

From 4053557047389154522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97bf115ad3175f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-08 12:04:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Verify bug in IIe???
Message-ID: <14937@watmath.UUCP>
Date: Sat, 8-Jun-85 15:04:11 EDT
Article-I.D.: watmath.14937
Posted: Sat Jun 8 15:04:11 1985
Date-Received: Sun, 9-Jun-85 02:28:33 EDT
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 20

I have written a program in basic, with machine language routines poked in, to check all the differences on a dos 3.3 disk. I did this to try to save an adventure character, noting the changes before and after death. I initial used peek(x) and peek(x+4096) to compare two tracks, but this was slow (1 for 34 tracks). I then checked my IIe reference books, and found the monitor Verify routine at $FE36. From the instructions, it only prints anything wh it finds a difference, but when I run my program, no matter where the buffer for the information is (within both hi-res pages) I get the output:

XFCA: GG (GG)

where X is the page number and GG is a hex digit. This is in the correct format, but since they are equal, they should not be displayed! The actual value of GG varies, and I think that it is the read in value, But still shouldn't be printed! Any ideas as to what is wrong, or what I'm doing wrong\??

Thanks,
Andrew Rahme
hardware@watmath

From -6914928436078395372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,78828d1a3054096e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-09 19:29:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!seismo!brl-tgr!abc

From: abc@brl-tgr.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Print Shop Configuration
Message-ID: <11265@brl-tgr.ARPA>
Date: Sun, 9-Jun-85 22:29:05 EDT
Article-I.D.: brl-tgr.11265
Posted: Sun Jun 9 22:29:05 1985
Date-Received: Sun, 16-Jun-85 01:20:01 EDT
Distribution: net
Organization: Ballistic Research Lab
Lines: 30

I'm trying to makePrint Shop work with an Apple IIe with 2
drives, the Perisoft Messenger printer card, and an Okidata
Microline 82A Printer.

The set-ups in the program do not mention this printer. When
I tried the Oki 92 printer, the configuration failed the
built-in printer test. Experimenting around, I found that
telling the program I have an Okidata Printer card with
graphics turned on works--sort-of.

It passes the printer system test.   However, in every graphic
which it prints every other line is blank: apparently an
extra linefeed is inserted at the end of every line.

The printer does NOT insert linefeeds.

How can I correct this problem? Is there another "magic"
configuration that will work correctly?

Brint
      ARPA: abc@brl.arpa
      UUCP: ...{decvax,cbosgd}!brl-bmd!abc

            Dr Brinton Cooper
            U.S. Army Ballistic Research Laboratory
            Attn: AMXBR-SECAD (Cooper)
            Aberdeen Proving Ground, MD 21005-5066

Offc: 301 278-6883   AV: 298-6883   FTS: 939-6883
Home: 301-879-8927

From -4610464732398080119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 165181,c3dbded6a4097f99,start
X-Google-Attributes: gid165181,public
X-Google-Thread: 15f443,c3dbded6a4097f99,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,c3dbded6a4097f99,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-10 02:42:56 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 +MMDF+MULTI+2.11; site kcl-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!think!harvard!seismo!
mcvax!ukc!kcl-cs!malcolm
From: malcolm@kcl-cs.UUCP (UNAC031 Malcolm Shute)
Newsgroups: net.emacs,net.micro.apple,net.wanted
Subject: Request for Emacs for Apple][
Message-ID: <168@westo.kcl-cs.UUCP>
Date: Mon, 10-Jun-85 05:42:56 EDT
Article-I.D.: westo.168
Posted: Mon Jun 10 05:42:56 1985
Date-Received: Thu, 13-Jun-85 00:59:50 EDT
Reply-To: malcolm@westo.UUCP (Malcolm Shute)
Distribution: net
Organization: Department of Computing, Kings College, University of London.
Lines: 8
Xref: watmath net.emacs:977 net.micro.apple:1962 net.wanted:6549
Xpath: kcl-cs westo west44

Can anyone advise me of any cheap (e.g. free) sources of Emacs
for an Apple II system (ideally running under U.C.S.D. Pascal).

(I don't often read these groups, so direct mail would be
appreciated, though I'll try to make the effort to look at these
groups occassionally).

Thanks in advance. I will also post summaries on request.

From 8214523343882624545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97bf115ad3175f5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-10 10:45:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!genrad!grkermi!panda!talcott!
harvard!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro.apple
Subject: Re: Verify bug in IIe???
Message-ID: <566@umd5.UUCP>
Date: Mon, 10-Jun-85 13:45:31 EDT
Article-I.D.: umd5.566
Posted: Mon Jun 10 13:45:31 1985
Date-Received: Sat, 15-Jun-85 07:06:59 EDT
References: <14937@watmath.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Distribution: net
Organization: U of Md, CSC, College Park, Md
Lines: 25
Summary: Sounds like hardware

I looked at the routine, is pretty straightforward. I can't see how you could possibly be botching the stores to A1, A2, or A4 to get the behaviour you describe. One possibility is that the 6502 is stuck in decimal mode, but I didn't think that affected the CMP instruction, which the code uses to do the compare.

The only way I can see that you would get a display with two EQUAL numbers would be if the two reads from memory, the one in the compare sequence and the one that picked up the value for display, were getting different data! This would be a hardware problem. If it is always at xFCA as you describe it would sure fit some kind of coupling between address and data lines, either on the motherboard or in one of your memory chips.

The FIRST thing to do would be to pack up all your stuff onto a disk and go visit a friend with another][e and see if the problem happens there too. If so, it is probably NOT a hardware bug. If it works fine over there, though, your][e is sick and needs to go to the chip doctor...

You could always reseat the memory chips (in fact ALL socketed chips), that will fix a multitude of weird errors like this.

Good luck

--
Ben Cranston ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben zben@umd2.ARPA

From 5375408278398496506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5ca248645cd639c0
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,5ca248645cd639c0
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-10 21:58:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site gloria.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
genrad!grkermi!panda!talcott!harvard!seismo!rochester!rocksanne!sunybcs!gloria!
kensmith
From: kensmith@gloria.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: EPROM Programmmers
Message-ID: <821@gloria.UUCP>
Date: Tue, 11-Jun-85 00:58:47 EDT
Article-I.D.: gloria.821
Posted: Tue Jun 11 00:58:47 1985
Date-Received: Thu, 13-Jun-85 01:34:30 EDT
References: <185@ski.UUCP>
Organization: SUNY/Buffalo Computer Science
Lines: 9
Xref: watmath net.micro:10744 net.micro.apple:1964

> In reply to a usenet inquiry about EPROM Programmers:

>
> Short of the expensive professional systems, there are a number of
> them that I know of. Some are for internal use as an expansion board
> in the Apple][series.

     If you don't mind getting your hands a little "dirty", and don't need the programmer NOW, check out BYTE, February edition. Ciarcia gives a design for one that will run on an RS-232 output.

From -3550349722881750923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,faf8281b5664ef87,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-11 06:44:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sii.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
ittvax!sii!drd
From: drd@sii.UUCP (David Dick)
Newsgroups: net.micro.apple
Subject: Mac XLISP 1.5
Message-ID: <412@sii.UUCP>
Date: Tue, 11-Jun-85 09:44:14 EDT
Article-I.D.: sii.412
Posted: Tue Jun 11 09:44:14 1985
Date-Received: Thu, 13-Jun-85 01:43:28 EDT
Organization: Software Innovations, Nashua NH
Lines: 26

To the Macintosh XLISP users:

     Version 1.5 of XLISP will be available shortly for the 512K Macintosh and the Macintosh-XL (Lisa under MacWorks). It includes support for lexical scoping of variables, floating point arithmetic, case conversion of symbol names, quickdraw graphics (limited), a better Macintosh interface with pull-down menus for loading files, interrupting program execution, continuing from errors, etc. It also has reworked object-oriented programming support (uses keywords for message selectors and slightly different syntax for creating new classes). It also has a number of bugs from version 1.4 fixed. This version is marked with a copyright notice and is restricted to non-commercial use (I intended to place the same restriction on version 1.4 but forgot to put the copyright notices on the source files -- there is one in the oblist). If there is enough interest, I will upload the hex version of the application file and the documentation to usenet for distribution. All source distribution will be by Macintosh disk. If you really need the source code, send me a Macintosh disk and a stamped self-addressed disk mailer (not money for postage). My US-Mail address is:

     David Betz
     114 Davenport Ave.

Manchester, NH 03103
(603) 625-4691
...!decvax!sii!has70!betz

From 3094476651666786945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2a2d676195f1c8d2,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2a2d676195f1c8d2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-11 12:01:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site burl.UUCP
Path: utzoo!watmath!clyde!burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro,net.micro.apple
Subject: head noise in apple IIe
Message-ID: <740@burl.UUCP>
Date: Tue, 11-Jun-85 15:01:35 EDT
Article-I.D.: burl.740
Posted: Tue Jun 11 15:01:35 1985
Date-Received: Wed, 12-Jun-85 02:15:27 EDT
Reply-To: geoff@burl.UUCP (geoff)
Organization: AT&T Technologies, Burlington NC
Lines: 26
Xref: watmath net.micro:10733 net.micro.apple:1959
Summary:

References:

I have a set of print routines for the apple IIe which write directly to
the display page (both 40 and 80 column pages). I have a lot of trouble
with dos getting lost and having to resync the head. While my routines
work ok (they are part of an editor) and dos works fine (files are read
and written without errors), I would like to eliminate the resync clatter.
I understand that dos (3.3) keeps some of its variables in the display pages
in the left-over space between the visible lines, and I suppose I am
trashing at least one of them.

The problem usually happens on long (200-400 line) files, and is decidedly
more prevalent on writing files than reading them. However, sometimes even
very long files are written without problems, and sometimes even very short
files have problems. I am using the Manx open, read, and write routines,
but I am sure their editor uses them and it never screws dos up. A very
common place to get lost is between opening and writing the files.

Does anyone out there have any ideas about specific places to look? I don't
have an assembly language debugger (all of the display routines are in assembly
language) so debugging is more by inference than a step-by-step process.
Again, the display works *perfectly* (so far as I can see, anyway). It doesn't
lose characters, so I don't see how it could be writing them in non-visible
(i.e., dos) locations. I don't know of anything else that could be causing

the problems.

??help??
geoff sherwood

From 7599351946395766648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,474c450bce64a43a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-11 12:09:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site burl.UUCP
Path: utzoo!watmath!clyde!burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro.apple
Subject: arm-movement on apple IIe
Message-ID: <741@burl.UUCP>
Date: Tue, 11-Jun-85 15:09:52 EDT
Article-I.D.: burl.741
Posted: Tue Jun 11 15:09:52 1985
Date-Received: Wed, 12-Jun-85 02:15:50 EDT
Reply-To: geoff@burl.UUCP (geoff)
Organization: AT&T Technologies, Burlington NC
Lines: 11
Summary:

References:

A while back I posted a request for an arm-movement program for the apple IIe.
Most of the responses recommended either 1) not doing it or 2) disassembling
the dos routines. If you are really lazy, you can buy 'Beneath Apple PRODOS'
by Don Worth and Pieter Lechner. One program in the back has the assembly
language routines to do this. As a side note, this is the same program
in 'Beneath Apple DOS' by the same authors that called DOS to move the arm.
I suppose either it is much harder to do in PRODOS or they got a lot of
calls on it. Whatever the reason, it is there (I haven't tried it yet,
though).

geoff sherwood

From -1298381058854508593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-11 13:41:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site orca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!orca!andrew

From: andrew@orca.UUCP (Andrew Klossner)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <1561@orca.UUCP>
Date: Tue, 11-Jun-85 16:41:01 EDT
Article-I.D.: orca.1561
Posted: Tue Jun 11 16:41:01 1985
Date-Received: Thu, 13-Jun-85 01:11:17 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP>
Organization: Tektronix, Wilsonville OR
Lines: 17
Xref: watmath net.micro:10743 net.micro.apple:1963

> You might consider JOVE, a public domain version of the EMACS editor, which
> runs on the IBM PC under MS-DOS and 4.2bsd Unix, at least. I have not used
> it on 4.2bsd (yet) but it works well on the PC. It's large (ca. 100K) but
> far smaller than the PD EMACS from the GNU project, which is the full-blown
> version. Keyboard bindings are arbitrary in JOVE, but it lacks extensibility
> and LISP support ... in my view, an excellent tradeoff for size.

Jove has been touted lately as a public domain editor. This is not so.
If you have the source code, take a look at "re.c", in which credit is
given to AT&T's "ed" editor for the regular expression pattern match
routines.

Jove should never have been ported to MSDOS. Any non-Unix machine
running Jove is guilty of software piracy.

  -=- Andrew Klossner   (decvax!tektronix!orca!andrew)   [UUCP]
                       (orca!andrew.tektronix@csnet-relay) [ARPA]

From -2060685840734215488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-11 20:21:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site hammer.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!tektronix!orca!hammer!
steveh
From: steveh@hammer.UUCP (Stephen Hemminger)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <1328@hammer.UUCP>
Date: Tue, 11-Jun-85 23:21:53 EDT
Article-I.D.: hammer.1328
Posted: Tue Jun 11 23:21:53 1985
Date-Received: Fri, 14-Jun-85 01:12:21 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>
Reply-To: steveh@hammer.UUCP (Stephen Hemminger)

Organization: Tektronix, Wilsonville OR
Lines: 11
Keywords: jove, emacs
Xref: watmath net.micro:10760 net.micro.apple:1967

The newest versions of jove (the one's without the unix code) are owned
by Unison World. I don't know what it costs, but it is available for
the PC from them.

Their is an agreement from Unison World to "jovehackers" to allow this
version for UNIX SYSTEMS only.

I suppose someone could have taken out all the ed code (it isn't hard),
but I wouldn't distribute it without doing so!

          Confirmed jove addict.

From -538614890781117209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a2d676195f1c8d2
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,2a2d676195f1c8d2
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-12 08:02:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!philabs!cmcl2!
seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: head noise in apple IIe
Message-ID: <573@umd5.UUCP>
Date: Wed, 12-Jun-85 11:02:29 EDT
Article-I.D.: umd5.573
Posted: Wed Jun 12 11:02:29 1985
Date-Received: Sat, 15-Jun-85 09:54:00 EDT
References: <740@burl.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Organization: U of Md, CSC, College Park, Md
Lines: 61
Xref: watmath net.micro:10781 net.micro.apple:1975
Summary: Here is the information (again, sigh)

Well, this has been posted before, and I'm *sure* it will be posted again.
Nevertheless, here's my stab at it.

The display uses only *SOME* of the memory assigned to the hardware display.
The few bytes that it does *NOT* use are assigned to the peripheral cards for
use as RAM memory. Some of the peripheral drivers (e.g. the disk driver)
saves *state information* in these locations, and if you blow away these
bytes you will confuse the driver, causing the problem you describe.

The relevant documentation can be found on page 125 of the Apple][e
reference manual, the section entitled: "Peripheral-card RAM Space".
My boss has the office][+ and all its books at home right now, but this
information *IS* in the][+ reference manual.

To avoid blowing away there RAM locations, you will have to stop saveing and
restoring display memory with a block IO from 400 to 7FF or 800 to BFF and
instead do a bunch of little IOs. First cut is to do 24 of them:

```
400-427
480-4A7
500-527
580-5A7
600-627
680-6A7
700-727
780-7A7
428-44F
4A8-4CF
528-54F
5A8-5CF
628-64F
6A8-6CF
728-74F
7A8-7CF
450-477
4D0-4F7
550-577
5D0-5F7
650-677
6D0-6F7
750-777
7D0-7F7
```

But, note that *the order doesn't matter*, as long as you read them in with
the same order you wrote them out! Some of the ranges are contiguous, and
thus the task can be simplified to 8 IO requests:

```
400-477  (rows  1,  9, 17)
480-4F7  (rows  2, 10, 18)
500-577  (rows  3, 11, 19)
580-5F7  (rows  4, 12, 20)
600-677  (rows  5, 13, 21)
680-6F7  (rows  6, 14, 22)
700-777  (rows  7, 15, 23)
780-7F7  (rows  8, 16, 24)
```

If you compare this against the table on page 125, you will see that this
IO sequence avoids the Peripheral card RAM locations...

--
Ben Cranston ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben zben@umd2.ARPA

From -3083426223412179411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5f0bd9340ba2edd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-12 10:01:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site psivax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!psivax!tommie
From: tommie@psivax.UUCP (Tom Levin)
Newsgroups: net.micro.apple
Subject: "vi-like editors"
Message-ID: <505@psivax.UUCP>
Date: Wed, 12-Jun-85 13:01:01 EDT
Article-I.D.: psivax.505
Posted: Wed Jun 12 13:01:01 1985
Date-Received: Fri, 14-Jun-85 06:04:40 EDT
Organization: Pacesetter Systems Inc., Sylmar, CA
Lines: 24

I hate to say this, (what with all of the good reports from others...),
but I have used the MANX compiler/editor system and I cannot recommend
the "vi-like" editor as a serious word processor. It works fine for
creating C programs, but for word processing it has the following problems:

    - It has only a small subset of the vi commands, lacking the most
      important ones (i.e. "undo", magic commands like ".", etc.)

    - Since there is no character buffering, you always have to wait
      for the screen to update before proceeding (very annoying since
      it updates in a weird fashion).

    - It is "buggy" (I have crashed it a number of times for no apparent
      reason).

I have other complaints, but I gotta get back to work.
--
.---.
| Tom Levin   {ttidca|sdcrdcf|logico|scgvaxd|bellcore}!psivax!tommie |
| Pacesetter Systems Inc. |
| |
| "Love won't come near me... she don't even hear me... |
| she walks by my vacancy sign..." - Jackson Browne |
|____|

From 6052171454222371478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,faf8281b5664ef87
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-12 14:34:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ncsu!ftsjmd
From: ftsjmd@ncsu.UUCP (James Davis)
Newsgroups: net.micro.apple
Subject: ENCHANTER question (hopefully not a spoiler)
Message-ID: <2871@ncsu.UUCP>
Date: Wed, 12-Jun-85 17:34:16 EDT
Article-I.D.: ncsu.2871
Posted: Wed Jun 12 17:34:16 1985
Date-Received: Fri, 14-Jun-85 06:13:51 EDT
References: <412@sii.UUCP>
Organization: N.C. State University, Raleigh
Lines: 22

  I am going to try to phrase this question in as delicate a way as possible without giving away any secrets about ENCHANTER, so if it is vague to you then you probably can't help me.

  After playing for about a month my wife and I seem to have gotten into as many rooms as possible, just not all in the same game. The problem is that we seem to need a spell (that cannot be written in the spell book) in two places, (I hope anybody with an answer knows which places I mean) but of course when we cast this spell the scroll is destroyed and we cannot use it again.

 I don't want a complete give away, just something to let me know which room gets the spell first, or if there is another spell that might help us out (not necessarily what that spell is).

  The complexity of this 'puzzle' seems sooooo much tougher than the other puzzles that I am in need of some assistance.

     Thanks

     Mike Davis

From -6937095869371731934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 121a8b,613449cc1b791d72
X-Google-Attributes: gid121a8b,public
X-Google-Thread: 152df8,613449cc1b791d72
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,613449cc1b791d72
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,613449cc1b791d72
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1985-06-12 14:55:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!ittvax!
dcdwest!sdcsvax!noscvax!uhpgvax!islenet!jayf

From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.mac,net.micro.apple,net.lang.c,net.lang.apl
Subject: Re: Ramblings 6/7 - APL & C for Mac
Message-ID: <1220@islenet.UUCP>
Date: Wed, 12-Jun-85 17:55:33 EDT
Article-I.D.: islenet.1220
Posted: Wed Jun 12 17:55:33 1985
Date-Received: Sun, 16-Jun-85 01:33:06 EDT
References: <1190@islenet.UUCP>
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 165
Xref: watmath net.micro.mac:1724 net.micro.apple:1977 net.lang.c:5382
net.lang.apl:155

> Mac C & APL
> By J Fields
>
> While Macintosh seems to be the computer for the rest of us, what about all
> of the people who are use to the run-of-the-mill type of old standard
> computers? What about people who like the usefulness of business
> languages like COBOL for coding business programs, or the speed and
> compactness of machine language for requirements that are speed or space
> critical? Fortunately, new tools are coming along. In recent months we've
> seen the arrival of both high-level languages like Basic, Forth, and Pascal
> (perhaps we'll even see COBOL soon); as well as machine level tools like
> MacASM for getting down to the   nitty-gritty bits. (MacASM, by the way, is
> pronounced MAC-A-S-M with 'asm' spelled out so it doesn't sound like
> something out of Master's & Johnson's....)
>
> My own observation is that the MAC is turning out to be a very good
> platform to implement both high-level and low-level tools on. Not only is
> the Mac user interface appropriate for writers of executive memos and high-
> tech scribblers, but it also lends itself well to programming -- I no longer
> have to write the same code twice. The first language to show me this was
> HIPPO-C.
>
> Level one of Hippo-C comes with a well written and easy to use tutorial.
> How many languages have you learned by trudging through the books
> entering sample programs one at a time by hand? With Hippo you can cut
> and paste the samples right out of the tutorial on your screen. Want to
> experiment? Well, you can use many of the same editing techniques you've
> been using in popular word processing programs to modify the sample
> programs. So, instead of the program printing out Chris Somebody's name on
> your screen it can print out yours, or perhaps some favorite salutation,
> "Damn the torpedoes...."
>
> Today something new and exciting came along. Dr. Jerry Brenan, who works
> in the University of Hawaii's Psychology department, introduced me to APL
> on the Macintosh. This was particularly exciting because I've not even seen
> APL advertised for the Mac, and did not know it was available. Don't all
> software producers start advertising months in advance of product
> availability?

>
> Now, if you're like I was before I knew about APL then you're probably
> sitting there asking yourself to reconsider your initial decision to read this
> particular article. Such would have been my reaction at the very mention of
> a 'new language.' The minds and bodies of programmers seem to develop
> some sort of defense mechanism with time.
>
> "We are not going to suffer these long hours while you learn every new thing
> that comes along." they seem to say.
>
> They may have a point. After all, you've hardly touched that 'good ole'
> MDL-2+ after the time you spent learning it (never mind what it cost -- the
> investment you made, the backup disks, and the surprise upgrade to super-
> duper version 1.2XXX-rev. A to mod. II). Still, APL is worth checking out. It
> might just knock your socks off.
>
> APL stands for "A Programming Language." It's a language that seems
> particularly well suited to working with numbers. Jerry showed me how,
> with five or six characters, he could almost instantly fill an array with
> 10,000 randomly generated numbers. "Hm, seems kind of fast," he
> murmured. Four keystrokes later the sum of all 10,000 numbers was
> displayed just as quickly. It was my turn to be impressed. "Try doing that
> in Applesoft," I thought to myself.
>
> Psychologists, like Dr. Brenan, can use APL to perform statistical analysis. In
> fact, Dr. Brenan has programmed, in APL, a statistics package called STAT 1
> that runs on PC-DOS machines. He will very likely be producing it for the
> Mac soon judging from his reaction to the Mac. Rather than try to interpret
> what he presented to me, here are a few paragraphs from his brochure on
> STAT 1:
>
>   "STAT 1 brings powerful research tools to the office desk. It is ideal
> (a) as a statistics learning tool; (b) as an introduction to computer-based
> research; (c) as a set of statistical analysis tools. STAT 1 takes data from
> initial coding and documentation through printing the final analysis with
> titles and footnotes. STAT 1 helps the user pick appropriate statistics with
> its 'statistical decision tree,' and provides topical help screens at the touch
of
> a key.
>
>   "STAT 1 is reasonably priced, easy to learn, requires no special
> language, and comes with a comprehensive manual that focuses on
> application examples. STAT 1 requires no computer programming, but
> presents all choices in easy-to-use menu form. The user simply selects a
> procedure from the menu and presses Return. STAT 1 prompts for critical
> inputs through each step of the analysis. The program is ideal for offices and
> agencies in which a number of people must analyze research, but do not
> have time to master complex mainframe statistical packages.
>
>   "STAT 1 provides all basic statistical procedures, beginning with
> simple descriptive statistics crosstabulations and data transformation, and
> working through to powerful correlation, analysis of variance, and regression
> routines. STAT 1's full-screen editor gives the user complete control over

> data entry and correction. Robust data transformation procedures help
> correct for bias in data, and unique date-arithmetic functions provide a tool
> for analyzing administrative data."
>
> There, I couldn't have said that better myself. I want to stress that Dr.
> Brenan also offers a text version of the STAT 1 manual that is suitable for
> use as an introductory text for teaching statistics. My feeling is that if
> you've never studied statistics, but think you could benefit from applying
> statistics in your work environment, then STAT 1 would be a good package
> to pick up both for learning stats and for later applying them.
>
> STAT 1 is offered at $179.95 and requires an IBM-PC or a "99% compatible"
> personal computer with 256K bytes of memory and two floppy disk drives
> or one floppy disk and one fixed disk drive. It will use an 8087 math
> processor chip automatically if one is installed, and uses all available
> computer memory. To order contact me via Compuserve 76174,456; USENET
> ..islenet/jayf ; SOURCE CL3035; phone, 808/521-4487; or mail, c/o IDSC, 1251
> Heulu St. #107, Honolulu, Hawaii 96822-3085. If you have a bankcard or
> can send a check I'll relay the order to a stocking dealer.
>
> STAT 1 is an example of the usefulness of APL. If you have math intensive
> applications APL is probably a good tool to add to your kit bag. Other uses I
> can think of are for stock market analysis, financial modeling, engineering,
> and business management. APL comes with its own tutorial built in, a
> terminal program for hooking up with mainframes -- my bet is that you
> could use this to hook with Dow Jones for rapid-fire price analysis -- and a
> menu generator.
>
> Don't overlook this last item. Have you ever wondered how programmers go
> about setting up the menus on Mac with all those buttons, text boxes, and
> icons? APL is worth getting just to see how it's done. However, you do not
> have to buy APL. You can pick up the free demo disk. The demo disk has all
> of the same features, but does not allow you to Save. If you want a copy,
> send an INITIALIZED blank Macintosh disk labeled with your name &
> address along with a SASE and $1.00 to the above address; I'll fire a copy of
> the APL sample back to you. The buck is to buy peanuts for the chipmunks
> that keep my disk drives spinning -- you gotta feed the chipmunks
> occasionally or they go away.
>
> What has become increasingly clear is that the MAC is not just the machine
> for the rest of us, it's THE MACHINE FOR ALL OF US. Being able to learn a
> new language like C or APL with out laboring over the manuals is a big
> advantage. Being able to pull down the tutorial anytime you need to while
> you're in the middle of coding something is also helpful. But the icing on the
> cake was seeing Dr. Brenan's reaction to the MAC (I was calling him "Jerry"
> until I sat down to write this and discovered with alarm that he's a phd,
> someone I may well end up taking classes from someday, and someone who
> should certainly be addressed as Dr. so-and-so...).
>
> "This is fast," he said. "This is much faster than the 8088."
>
> -Cheers-
> J Fields

Sorry for leaving out word about the people who make APL for Mac, and thanks to Mark & Dave for calling my attention to this omission. It was one of my primary objectives to give them some well deserved credit in the review...guess I got a bit excited and forgot. Anyway....

Apl for the MAC is called PortAPL, and can be ordered from:

Portable Software
60 Aberdeen Ave.
Cambridge, Ma. 02138

(607) 547-2918

Price is $275.00 Plus $10.00 for shipping. VISA & M/C are acceptable.

Now, if one of you wizards would send me the pill you take to learn this stuff faster :)

Aloha,
J Fields

From 8564377019766045046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,613449cc1b791d72
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,613449cc1b791d72
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 121a8b,613449cc1b791d72
X-Google-Attributes: gid121a8b,public
X-Google-Thread: 152df8,613449cc1b791d72
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-06-12 15:33:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!aicchi!egv
From: egv@aicchi.UUCP (Vann)
Newsgroups: net.micro.mac,net.micro.apple,net.lang.c,net.lang.apl
Subject: Re: Ramblings 6/7 - APL & C for Mac
Message-ID: <493@aicchi.UUCP>
Date: Wed, 12-Jun-85 18:33:27 EDT
Article-I.D.: aicchi.493
Posted: Wed Jun 12 18:33:27 1985
Date-Received: Thu, 13-Jun-85 03:17:39 EDT
References: <1190@islenet.UUCP>
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 20
Xref: watmath net.micro.mac:1681 net.micro.apple:1966 net.lang.c:5373
net.lang.apl:154

> Mac C & APL
> By J Fields
>
> While Macintosh seems to be the computer for the rest of us, what about all
> of the people who are use to the run-of-the-mill type of old standard
> computers? What about people who like the usefulness of business
> languages like COBOL for coding business programs, or the speed and
> compactness of machine language for requirements that are speed or space
> critical? Fortunately, new tools are coming along...

As it turns out there is an announcement in the July 1985 issue of MacWorld
concerning the fact that Micro Focus has released (or is releasing) a COBOL
compiler for the Macintosh. Looks like you'll be able to solve the business
oriented problems after all...

--
Eric Geoffrey Vann
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!egv

From 7563755441210010292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-13 07:34:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utastro.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!philabs!cmcl2!
seismo!ut-sally!utastro!nather
From: nather@utastro.UUCP (Ed Nather)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <234@utastro.UUCP>
Date: Thu, 13-Jun-85 10:34:59 EDT
Article-I.D.: utastro.234
Posted: Thu Jun 13 10:34:59 1985
Date-Received: Sat, 15-Jun-85 09:06:04 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>
Organization: U. Texas, Astronomy, Austin, TX
Lines: 51
Xref: watmath net.micro:10777 net.micro.apple:1973

> > You might consider JOVE, a public domain version of the EMACS editor, which
> > runs on the IBM PC under MS-DOS and 4.2bsd Unix, at least. I have not used
> > it on 4.2bsd (yet) but it works well on the PC. It's large (ca. 100K) but
> > far smaller than the PD EMACS from the GNU project, which is the full-blown
> > version. Keyboard bindings are arbitrary in JOVE, but it lacks extensibility
> > and LISP support ... in my view, an excellent tradeoff for size.
>

> Jove has been touted lately as a public domain editor. This is not so.
> If you have the source code, take a look at "re.c", in which credit is
> given to AT&T's "ed" editor for the regular expression pattern match
> routines.
>
> Jove should never have been ported to MSDOS. Any non-Unix machine
> running Jove is guilty of software piracy.
>
>   -=- Andrew Klossner   (decvax!tektronix!orca!andrew)   [UUCP]
>   (orca!andrew.tektronix@csnet-relay) [ARPA]

Here is the header message, verbatim, from re.c in the Jove editor source
distribution:

```
/* re.c */

/* JOVE/MSDOS. K. Mitchum 1/85 */
/* Modifications for personal use only. */
/* original code J. Payne LSRHS 5/83 */
/* Ken Mitchum */
/* University of Pittsburgh */
/* Decision Systems Laboratory */

/*
   Jonathan Payne at Lincoln-Sudbury Regional High School 5-25-83

   jove_re.c

   Much of this code was taken from /usr/src/cmd/ed.c.  It has been
   modified a lot and features have been added, but the general algorithm
   is the same. */
```

Note that the original source is quoted as "ed.c" but extensive modifications
have been made. The "general algorithm" is the same, but an algorithm cannot
be copyrighted -- only the specific realization of it. It is far from clear
to me that this constitutes software piracy in any form.

I solicit opinion from the net. Is it piracy or not?

--
Ed Nather
Astronony Dept, U of Texas @ Austin
{allegra,ihnp4}!{noao,ut-sally}!utastro!nather
nather%utastro.UTEXAS@ut-sally.ARPA

From -8392707047459228450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9dfba397ed2d20d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-13 20:16:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP

Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Re: First Class Periph. Sider query
Message-ID: <1471@ecsvax.UUCP>
Date: Thu, 13-Jun-85 23:16:30 EDT
Article-I.D.: ecsvax.1471
Posted: Thu Jun 13 23:16:30 1985
Date-Received: Sat, 15-Jun-85 09:00:07 EDT
References: <1368@ecsvax.UUCP>, <743@sipunix.UUCP>
Organization: NC Educational Computing Service
Lines: 15

Quick update:
  12 responses so far-
   3 users (all favorable)
   9 "please post the results"

PLEA # 2:

IF YOU HAVE OR USE A FCP SIDER, PLEASE POST OR MAIL GOOD AND BAD
COMMENTS. THE MASSES WANT TO KNOW!!!

(ahem) Thank you.

Charles Lord
..!decvax!mcnc!ecsvax!cjl

From 1685857394752766608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5ca248645cd639c0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5ca248645cd639c0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-13 20:22:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro,net.micro.apple
Subject: Re: EPROM Programmmers
Message-ID: <1472@ecsvax.UUCP>
Date: Thu, 13-Jun-85 23:22:51 EDT
Article-I.D.: ecsvax.1472
Posted: Thu Jun 13 23:22:51 1985
Date-Received: Sat, 15-Jun-85 09:00:41 EDT
References: <185@ski.UUCP>
Organization: NC Educational Computing Service
Lines: 12
Xref: watmath net.micro:10776 net.micro.apple:1972

One unit not mentioned before: the Apparat Prom Blaster.
It plugs into an empty slot (If you HAVE one) and reads/writes
2708/2716/2516/2532/2732/68764/2816. If you don't need large
EPROMs programmed, at $110. it's not bad. I have used mine
for four years now, and have even burned 27C16s and 27C32s
with over 90% sucess. Apparat makes a new on for the IBM PC
that goes on up through the 28 pin devices (27256 etc) for
around $130.

Charles Lord
cjl@ecsvax.UUCP

From -2516018026072831373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5f0bd9340ba2edd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-14 09:46:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek
From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: "vi-like editors"
Message-ID: <567@utai.UUCP>
Date: Fri, 14-Jun-85 12:46:03 EDT
Article-I.D.: utai.567
Posted: Fri Jun 14 12:46:03 1985
Date-Received: Fri, 14-Jun-85 13:24:26 EDT
References: <505@psivax.UUCP>
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Organization: CSRI, University of Toronto
Lines: 7
Summary:

Regarding the MANX vi-like editor for the Apple II, not only
did the version I used lack some of the fancy visual mode commands,
but it dodn't even have a global replace!! As has already been
obserevd, it's bearable, but not beautiful. On the other hand, I
never had it crash on me.
  In contrast, MANX's vi-like editor for the MacIntosh seems VERY
complete. I guess they just needed some extra address space.

From -3139064568484601845
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,59dae2cd0684a2a4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-14 15:09:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes

From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: ENCHANTER question (hopefully not a
Message-ID: <2709@harpo.UUCP>
Date: Fri, 14-Jun-85 18:09:48 EDT
Article-I.D.: harpo.2709
Posted: Fri Jun 14 18:09:48 1985
Date-Received: Tue, 18-Jun-85 06:16:32 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 3
Nf-ID: #R:ncsu:-287100::37600022:000:3
Nf-From: !bob   Jun 14 16:05:00 1985

ke

From 8635515236481955531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75b05481f8f045f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-15 08:17:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!philabs!cmcl2!
seismo!umcp-cs!gymble!lll-crg!dual!islenet!tracyw
From: tracyw@islenet.UUCP (Tracy Walters)
Newsgroups: net.micro.apple
Subject: Newsroom and Epson-compatible printers
Message-ID: <1261@islenet.UUCP>
Date: Sat, 15-Jun-85 11:17:48 EDT
Article-I.D.: islenet.1261
Posted: Sat Jun 15 11:17:48 1985
Date-Received: Fri, 21-Jun-85 01:34:29 EDT
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 27

I recently purchased "Newsroom" from Springboard Software, and have found it
to be an excellent program. It main purpose in life is to produce newsletters,
which it does with a minimum of hassle and a great deal of professionalism.
The programmers have done an excellent job of making the program (of course
this is relatively) error-free (it has yet to do anything unexpected to me),
and quite the contrary, goes out of it's way to save you from stupid mistakes.
It prints an excellent quality copy and the tools included do the job better
than the package advertises. I recommend this package to anyone who has an
interest in printed copy or doing a small newsletter production.
  The only difficulty I had was when first attempting to print, was setting
up the configuration. There are a multitude of choices on the set-up menu,
but none specified exactly my system, which is an Apple][+ w/64k, a
Practical Peripherals GraphiCard (which was the stumb and a Riteman Inforunner
printer (Epson-like).
Despite there being some 30-odd choices, my GraphiCard wasn't there. After much

trial and error, as the local dealer couldn't help me, I found that the proper set-up for my system is as follows:

Epson FX-80
Firmware Protocol 1.0
Slot one

I hope this helps anyone having problems trying to get this excellent program up and running.

Tracyw @ Islenet, Inc., Honolulu, HI.
MCI Mail: 231-8682
Easylink Mailbox: 62836780

From -4250857462169246489
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-16 02:15:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site orca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!vax135!cornell!uw-beaver!
tektronix!orca!andrew
From: andrew@orca.UUCP (Andrew Klossner)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <1569@orca.UUCP>
Date: Sun, 16-Jun-85 05:15:29 EDT
Article-I.D.: orca.1569
Posted: Sun Jun 16 05:15:29 1985
Date-Received: Tue, 18-Jun-85 04:29:39 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>
<234@utastro.UUCP>
Organization: Tektronix, Wilsonville OR
Lines: 46
Xref: watmath net.micro:10799 net.micro.apple:1979

>> Jove has been touted lately as a public domain editor. This is not so.
>> If you have the source code, take a look at "re.c", in which credit is
>> given to AT&T's "ed" editor for the regular expression pattern match
>> routines.
>
> Note that the original source is quoted as "ed.c" but extensive modifications
> have been made. The "general algorithm" is the same, but an algorithm cannot
> be copyrighted -- only the specific realization of it. It is far from clear
> to me that this constitutes software piracy in any form.

Copyright law includes the concept of a "derived work", which is a work produced by taking a protected work and making changes in it. The law says that a derived work is owned by the owner of the original work.

It doesn't matter how much you change it. You could eliminate all but one comment line, write an entire new program under that line, and it would still be the property of the owner of the original work. To make a work which is wholly your own, you must start from scratch. In other words, if you take an original source and make extensive modifications to it, the result is still regarded as the property of the owner of the original source.

The situation with regard to Unix code is made more complicated because AT&T primarily uses trade secret protection, not copyright protection. However, Unix is protected by copyright because all works are considered to be copyrighted until they are published, even if they contain no copyright notice, and Unix source has never been published.

Anyone who has access to Unix sources is supposed to have signed a form promising to protect the trade secret. A form signed by an employee promising to abide by all his/her company's rules is sufficient to bind the employee to the Unix trade secret contract. The terms of the Unix license also preclude taking a piece of Unix source, making extensive modifications, and distributing to non-Unix sites.

Since I posted the original follow-up (double ">>"s above), I received the following message which casts further light on the proprietary nature of jove:

> The problem is not the re.c code (because it bears no resemblance
> whatsoever to the ed code, although algorithms - which are well known -
> are similar), but the low-level tempfile management which is stolen
> directly from vi (in io.c). That stuff needs to be rewritten before
> Jove can be distributed to non-unix source licence sites... supposedly.

  -=- Andrew Klossner   (decvax!tektronix!orca!andrew)   [UUCP]
                       (orca!andrew.tektronix@csnet-relay) [ARPA]

From -4204517139862324482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9ab811afbf3b4633,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-16 08:45:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Apple][e wanted
Message-ID: <4475@mit-eddie.UUCP>
Date: Sun, 16-Jun-85 11:45:33 EDT
Article-I.D.: mit-eddi.4475
Posted: Sun Jun 16 11:45:33 1985
Date-Received: Mon, 17-Jun-85 04:40:09 EDT
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Organization: MIT, Cambridge, MA

Lines: 5
Keywords: APPLE,WANTED

Wanted: Used Apple][e computer, with (minimal):
         Two drives
         80-Column card
         Monitor

From -8366248058301114487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a5f0bd9340ba2edd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-16 15:39:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site meccts.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!dicomed!meccts!ahby
From: ahby@meccts.UUCP (Shane P. McCarron)
Newsgroups: net.micro.apple
Subject: Re: "vi-like editors"
Message-ID: <166@meccts.UUCP>
Date: Sun, 16-Jun-85 18:39:05 EDT
Article-I.D.: meccts.166
Posted: Sun Jun 16 18:39:05 1985
Date-Received: Tue, 18-Jun-85 04:38:32 EDT
References: <505@psivax.UUCP>
Reply-To: ahby@meccts.UUCP (Shane P. McCarron)
Organization: MECC Technical Services, St.Paul, MN
Lines: 15

In article <505@psivax.UUCP> tommie@psivax.UUCP (Tom Levin) writes:
>I hate to say this, (what with all of the good reports from others...),
>but I have used the MANX compiler/editor system and I cannot recommend
>the "vi-like" editor as a serious word processor.

If you are looking for a serious word processor, I would recommend
Appleworks. It is reasonably fast, intuitive (unlike vi), but it
is expensive.
--

Shane P. McCarron
Minnesota Educational Computing Corporation - Technical Services

UUCP {ihnp4,harpo}!umn-cs!circadia!meccts!ahby
     {ihnp4,mgnetp,uwvax}!dicomed!mecc!meccts!ahby

From -6203617020870113102
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5ca248645cd639c0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5ca248645cd639c0

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-16 22:31:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/13/84; site intelca.UUCP
Path: utzoo!utcs!lsuc!pesnta!amd!intelca!cem
From: cem@intelca.UUCP (Chuck McManis)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Re: EPROM Programmmers
Message-ID: <613@intelca.UUCP>
Date: Mon, 17-Jun-85 01:31:22 EDT
Article-I.D.: intelca.613
Posted: Mon Jun 17 01:31:22 1985
Date-Received: Tue, 18-Jun-85 08:43:03 EDT
References: <185@ski.UUCP> <228@timeinc.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 19
Xref: utcs net.micro:10479 net.micro.apple:1957

> The EPROM Blaster put out by Periphco, Inc. at (408)-244-5214 is
> called the "Programmer 4+", is RS-232 and does both the "normal" and "A"
> versions of the 2716, 32,64,128.
>
> It costs just undr $200.
>
The EPROM programmer design that was in BYTE in february costs under $30
to build ($20 if you have some of the caps etc) and it to programs normal
and "A" versions of the 2700 family. Even if you add a microcontroller to
run it (rather than having your host computer run it) it isn't more than
$50. So why are "inexpensive" multipart programmers like the one above
$200?

--Chuck
--
"Unix, the Teco of Operating Systems."   - - - D I S C L A I M E R - - -
{ihnp4,fortune}!dual\   All opinions expressed herein are my
        {qantel,idi}-> !intelca!cem   own and not those of my employer, my
 {ucbvax,hao}!hplabs/   friends, or my avocado plant. :-}

From 7361238347782077793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e541cbb0870defd9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-17 10:59:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ih1ap.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ih1ap!worp
From: worp@ih1ap.UUCP (Roger Espinosa)
Newsgroups: net.micro.apple
Subject: Scribe Printer for Sale
Message-ID: <483@ih1ap.UUCP>
Date: Mon, 17-Jun-85 13:59:54 EDT
Article-I.D.: ih1ap.483

Posted: Mon Jun 17 13:59:54 1985
Date-Received: Tue, 18-Jun-85 08:02:06 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 27

*** REPLACE THIS LINE WITH YOUR RIBBON GRIPES! ***

I have an Apple Scribe Printer that I need to sell.
I got it three weeks ago, and haven't used it. Just
because I took it out of the box, it can't be returned
for full value (or half value, for that matter). It's
cute, in a word, but for my needs (typing 200 page novels)
it ain't good enough. The price I'm asking for is $180 or
the best offer.

Contact Roger Espinosa: 979-6683 (at work)
              889-3094 (at home)

--

If you dream in black and white
             do you live your life in color
             and if you dream in color
do you live your life in black and white?

Roger Espinosa, YASS [Yet Another Summer Student]

From 3268731993117619536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-17 15:55:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!
harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <11287@brl-tgr.ARPA>
Date: Mon, 17-Jun-85 18:55:02 EDT
Article-I.D.: brl-tgr.11287
Posted: Mon Jun 17 18:55:02 1985

Date-Received: Thu, 20-Jun-85 20:47:24 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>
<234@utastro.UUCP>
Organization: Ballistic Research Lab
Lines: 7
Xref: watmath net.micro:10818 net.micro.apple:1986

Re: jove regular expression code

I believe technically any code derived from licensed UNIX source code
by a series of edits is considered to be constrained by the terms of
the original AT&T UNIX license. However, there is nothing magic about
the "ed" regular expression code, and one could simply lift the same
general algorithm from "Software Tools". This is perhaps a good idea..

From -541207122072460316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,822d2aec26b86816,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,822d2aec26b86816,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-18 07:55:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site hlexa.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!mhuxh!hlexa!ips
From: ips@hlexa.UUCP (irwin seltzer)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: PASCAL for the Apple IIe
Message-ID: <4250@hlexa.UUCP>
Date: Tue, 18-Jun-85 10:55:02 EDT
Article-I.D.: hlexa.4250
Posted: Tue Jun 18 10:55:02 1985
Date-Received: Wed, 19-Jun-85 04:17:32 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 14
Xref: watmath net.lang.pascal:316 net.micro.apple:1983

I would like to purchase a PASCAL compiler for my
Apple IIe system (64K with 2 disk drives).

It would probably be nice if anything I bought were
"standard" enough to be ported to another system (on a mini)
without to much trouble.

Any comments on the benifits/drawbacks of software
you've used would be greatly appreciated.

Irwin Seltzer
ATT-Bell Labs
Short Hills, NJ
!hlexa!ips

From -6002827699389353628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c0811c2d6fe3111a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-18 09:08:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site amdcad.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!amdcad!sorensen
From: sorensen@amdcad.UUCP (Sorensen David)
Newsgroups: net.micro.apple
Subject: Savage Island Adventure Spoiler Requested
Message-ID: <1674@amdcad.UUCP>
Date: Tue, 18-Jun-85 12:08:07 EDT
Article-I.D.: amdcad.1674
Posted: Tue Jun 18 12:08:07 1985
Date-Received: Wed, 19-Jun-85 04:44:01 EDT
Organization: AMDCAD, Sunnyvale, CA
Lines: 50
Keywords: Help!

I previously posted this request to net.games, but got little response, so I am posting it here. I have been attempting to solve Adventure International's "Savage Island" adventure for some time now, but I need some pointers to complete it.

*** WARNING -- spoilers follow -- hit spacebar at your own risk ***

I have managed to weather the storm out (no pun intended :-), given salt to the bear, and collected:

```
Knife             -
Plastic Block      |
Coconut            |- How can these be used?
Bottle of Rum      |
```

Fish Bones -

Building the raft, I sailed to the atoll, met the pirate, and received a bandanna and a note. I am currently in the cave with the painting and the stalactite, but cannot get anything to happen. How can I get some light to enter the "dark openings" without breaking my neck? I assume the stalactite opens, since it is hinged at the top. How can I make this happen?

Any help will be greatly appreciated.

-- Tim Olson

"What would be a good question to give a computer for the Turing test?"
"How about 'What would be a good question to give a computer for the Turing test?'"

From -8825608485204110218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5ddf71afc9cff1ba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-18 16:56:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.UUCP
Path: utzoo!lsuc!utcs!hobie
From: hobie@utcs.UUCP (Hobie Orris)
Newsgroups: net.micro.apple
Subject: p-code compilers?
Message-ID: <699@utcs.UUCP>
Date: Tue, 18-Jun-85 19:56:44 EDT
Article-I.D.: utcs.699
Posted: Tue Jun 18 19:56:44 1985
Date-Received: Tue, 18-Jun-85 20:57:42 EDT
Organization: University of Toronto - General Purpose UNIX
Lines: 14

Subject: p-code compilers?
Newsgroups: net.micro.apple

Does anyone know of a p-code compiler
for the Apple?
I have heard of something by Softech Microsystems in San Diego but I know nothing about it. If you know about about any such product, please let me know
--

"I'll be back! ... With nuclear weapons!

Hobie Orris University of Toronto {decvax|harpo|ihnp4}!utcs!hobie

Computing Services

From 1895852042586876506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-18 17:22:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!henry
From: henry@utzoo.UUCP (Henry Spencer)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <5707@utzoo.UUCP>
Date: Tue, 18-Jun-85 20:22:51 EDT
Article-I.D.: utzoo.5707
Posted: Tue Jun 18 20:22:51 1985
Date-Received: Tue, 18-Jun-85 20:22:51 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>,
<234@utastro.UUCP>
Organization: U of Toronto Zoology
Lines: 7

> I solicit opinion from the net. Is it piracy or not?

A more important question: are you willing to be a test case, when the
opposition is AT&T?
--
                    Henry Spencer @ U of Toronto Zoology
                    {allegra,ihnp4,linus,decvax}!utzoo!henry

From 4152135881159174142
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,613449cc1b791d72
X-Google-Attributes: gid152df8,public
X-Google-Thread: 12da6b,613449cc1b791d72
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 121a8b,613449cc1b791d72
X-Google-Attributes: gid121a8b,public
X-Google-Thread: 1622d3,613449cc1b791d72
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-19 09:22:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!watapl
From: watapl@watmath.UUCP (APL Quote Quad)
Newsgroups: net.micro.mac,net.micro.apple,net.lang.c,net.lang.apl
Subject: Re: Ramblings 6/7 - APL & C for Mac
Message-ID: <15164@watmath.UUCP>

Date: Wed, 19-Jun-85 12:22:24 EDT
Article-I.D.: watmath.15164
Posted: Wed Jun 19 12:22:24 1985
Date-Received: Thu, 20-Jun-85 07:34:59 EDT
References: <1190@islenet.UUCP> <1220@islenet.UUCP>
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 9
Xref: watmath net.micro.mac:1759 net.micro.apple:1985 net.lang.c:5385
net.lang.apl:157

> Apl for the MAC is called PortAPL, and can be ...
                            ^^^^^^^
I thought it was   "PortaAPL" .

--
     watapl@watmath.UUCP
     watapl%watmath@waterloo.CSNET
     ... {ihnp4, allegra, decvax} !watmath!watapl

From -4044494263263748677
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a7a75dd07111ad04,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-19 11:46:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxd!romeroa
From: romeroa@pyuxd.UUCP (A Romero)
Newsgroups: net.micro.apple
Subject: Hayes Micromodem II for sale
Message-ID: <1111@pyuxd.UUCP>
Date: Wed, 19-Jun-85 14:46:56 EDT
Article-I.D.: pyuxd.1111
Posted: Wed Jun 19 14:46:56 1985
Date-Received: Thu, 20-Jun-85 10:24:21 EDT
Organization: Bell Communications Research, Piscataway N.J.
Lines: 11

Would anyone out there be interested in purchasing a Hayes Micromodem II
(pulse dial only, 300 baud for Apple II, II+, IIe), used but in perfect
working order, with complete original packaging, software,
documentation, etc.? It may be old, but it's the most trouble-free
piece of hardware I've ever owned for the Apple. It's served me long
and well, and I'm only selling it because I bought a 1200 baud modem a
few months ago. Nothing at all wrong with it-- functionally perfect.
Asking price is $100 but I'm *very* flexible on that.
Send replies to ...pyuxd!romeroa.
Thanks very much...
              -Antonio Romero

From 4345853146355592897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-19 14:36:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cositex.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!
harvard!seismo!ut-sally!utastro!cositex!san
From: san@cositex.UUCP (Steve Sanderson)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <193@cositex.UUCP>
Date: Wed, 19-Jun-85 17:36:09 EDT
Article-I.D.: cositex.193
Posted: Wed Jun 19 17:36:09 1985
Date-Received: Sun, 23-Jun-85 01:18:59 EDT
References: <1745@sunybcs.UUCP> <178@utastro.UUCP> <1561@orca.UUCP>
<234@utastro.UUCP>
Organization: COSI Texas, Austin, Texas
Lines: 27
Xref: watmath net.micro:10840 net.micro.apple:1992

> > > You might consider JOVE, a public domain version of the EMACS editor...
> > Jove has been touted lately as a public domain editor. This is not so.
> > ...
> Here is the header message, verbatim, from re.c in the Jove editor source
> distribution:
  ...
>   Much of this code was taken from /usr/src/cmd/ed.c. It has been ...
  ...
> I solicit opinion from the net. Is it piracy or not?
> Ed Nather

I'm afraid that I would (in the strictest sense) call this software
piracy. Considering the case of vi, I was told that one of the main
reasons, if not the main reason, that vi is not in the public domain
is because of the pattern matching (and other) code from the original
ed source code. Considering the differences between ed and vi, and the
modifications necessary to achieve the differences, I think that ``major
modifications'' to source code does not constitute a completely new
entity. After all, even the author admits to jove_re.c being descended
from ed source code!

     Steve Sanderson
--
Steve Sanderson, COSI Texas
          4412 Spicewood Springs, Suite 801 Austin, Texas 78759
UUCP: {ihnp4, seismo, ctvax}!ut-sally!cositex!san, san@cositex.UUCP
AT&T: (512) 345-2780

From -1332267631904611144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7c44feb2c753156,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-19 15:57:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Apple 5MB Drive Info Request
Message-ID: <4498@mit-eddie.UUCP>
Date: Wed, 19-Jun-85 18:57:02 EDT
Article-I.D.: mit-eddi.4498
Posted: Wed Jun 19 18:57:02 1985
Date-Received: Fri, 21-Jun-85 00:41:37 EDT
References: <27364@lanl.ARPA>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 15
Keywords: APPLE, DRIVE

...
I'm looking for a 5 Megabyte hard disk for use with the Apple][+ computer.
I need Names, Prices, and Where to find them. Please include any statisti-
cal information about the drive also--

- What operating systems does it support? (dos, microsoft cp/m, etc.)
- Is it relatively fast?
- How [easily] do you go about dividing it into volumes, etc.
- Can it be supporting more than one operating system at onece
 ...etc.

Thanks for any Information/Recommendations that you have.

-drew

From -4663734974378499772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-20 08:34:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!decvax!sunybcs!wahl
From: wahl@sunybcs.UUCP (Norman Wahl)

Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <1821@sunybcs.UUCP>
Date: Thu, 20-Jun-85 11:34:54 EDT
Article-I.D.: sunybcs.1821
Posted: Thu Jun 20 11:34:54 1985
Date-Received: Thu, 20-Jun-85 23:42:47 EDT
Distribution: na
Organization: SUNY/Buffalo Computer Science
Lines: 21

There is some confusion over word processing software available from Manx. What I have figured out is that there are two different Manx editors being discussed:

1. "Z," which is available for IBM and compatibles, and for Macintosh. This is already a vi-like editor, for those who use vi already and would like a familiar user interface. Users of Z who posted to the net have spoken well of it. However, it is NOT available for the Apple][family, according to Manx itself (800-221-0440).

2. "Aztec C," which is a bundle of software which compiles C programs and which is available for Apple][, includes an editor which can be made to be vi-like. However, the editor has not gotten good reviews from users on the net; respondents say the subset of commands is too small, and that it sometimes crashes for unknown reasons.

If I have overlooked or misrepresented anything here, please post. I'm still looking for a vi-like editor for Apple][+, but don't expect to find one anymore.

Norm Wahl
University of Buffalo

From 5850386053013112428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9dfba397ed2d20d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-20 12:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site prism.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!yale!prism!david
From: david@prism.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: First Class Periph. Sider query
Message-ID: <7200005@prism.UUCP>
Date: Thu, 20-Jun-85 15:06:00 EDT
Article-I.D.: prism.7200005
Posted: Thu Jun 20 15:06:00 1985
Date-Received: Tue, 25-Jun-85 08:16:36 EDT
References: <1471@ecsvax.UUCP>
Lines: 49
Nf-ID: #R:ecsvax:-147100:prism:7200005:000:2045
Nf-From: prism!david   Jun 20 15:06:00 1985

I bought a Sider last January; to my great disappointment, the first one arrived DOA, so I had to ship it back. The turnaround on the replacement was about two weeks.

Since then, its been wonderful, and I urge anyone with an interest to forget about that CD player, VCR, or whatever other conspicuous consumable you've been coveting and get serious about your computer. I can't believe I've lived so long without it.

The operating system software, partioning the disk into DOS, ProDOS, Pascal, and CP/M regions is generally excellent -- I've experienced no glitches attributable to its presence. (I didn't configure a usable CP/M partition so I can't vouch for it.)

The most serious drawback to the system is there is no documentation of the low-level device control; I have some non-standard operating routines (the DOS version of ORCA/M) which require custom disk drivers (the ProDOS version of ORCA works fine). Supposedly, FCP is working on a technical manual (an OK installation manual comes with the system).

The other problem, more-or-less generic to such hard disks, is there is no way to write-protect the drive while debugging to secure against wild code causing spurious writes to the drive. It doesn't seem to be as easy to turn on the drive as a disk ii (what could be), and I seem to have been lucky so far.

Now if only someone would come out with a cheap *backup* device, we'd be all set.

P. S. FCP just did a mailing to its customer list, with coupons offering a $50.00 kickback to owners who refer new business to them. Find someone who already has a Sider, and work out a deal with them!

I have no connection to FCP; just a reasonably satisfied customer.

David Eyes {cca, datacube, ihnp4, inmet, mit-eddie, wjh12}...
Mirror Systems, Inc. ...mirror!prism!david

From 3075148457895862344

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93d3abcb868ebb4d,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,93d3abcb868ebb4d,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,93d3abcb868ebb4d,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-06-21 14:59:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site aluxz.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!aluxz!revatt
From: revatt@aluxz.UUCP (EVATT)
Newsgroups: net.micro,net.micro.pc,net.micro.apple
Subject: typesetting/drawing program info?
Message-ID: <258@aluxz.UUCP>
Date: Fri, 21-Jun-85 17:59:22 EDT
Article-I.D.: aluxz.258
Posted: Fri Jun 21 17:59:22 1985
Date-Received: Sun, 23-Jun-85 03:48:09 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 15
Xref: watmath net.micro:10847 net.micro.pc:4342 net.micro.apple:1993

I'm interested in finding a program to provide "typeset" and
graphics output on a PC. I'm most interested in lots of fonts and
nice output to a dot matrix printer so the MacPaint-alike drawing
programs are not what I want. Two I'm aware of are FONTRIX and
FANCY FONT [probably someone's tm]. Has anyone had any experience
with these or other similar packages? I think FONTRIX started on
the Apple II.

Please mail to me and I will post if there is sufficient interest.

Thanks,

Robert Evatt
AT&T, Allentown, PA
(many places)!aluxz!revatt

From 6848979423199612431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce14a014e28d9f0f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-24 10:42:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site genat.UUCP
Path: utzoo!utcs!mnetor!genat!george
From: george@genat.UUCP (George Gorsline)
Newsgroups: net.micro.apple
Subject: Apple][+ use with dial-up vi
Message-ID: <2040@genat.UUCP>
Date: Mon, 24-Jun-85 13:42:12 EDT

Article-I.D.: genat.2040
Posted: Mon Jun 24 13:42:12 1985
Date-Received: Tue, 25-Jun-85 02:18:12 EDT
Organization: Genamation Inc. (Toronto Ontario, Canada)
Lines: 12

*** REPLACE THIS LINE WITH YOUR APPLE][+ ***

When using vi, I can't get a full screen display on my][+ with Videx 80 col and Enhancer options. Initializing the 80 col. board to 24, etc. doesn't seem to have any effect. Software is AEPro and emulation is either none or option 5 which is 80 col. board. System is 4.2 on Pyramid 90x. The termcap is a straight crib from the Videx 80 col. documentation. Yes, the board works fine when used directly from BASIC.

Obviously somebody has solved this years ago. But how?

Thanks.   George Gorsline VE3FIU / K8HI

From 8497378814973765171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fb1cb,83a5f9e4eace21f1,start
X-Google-Attributes: gidfb1cb,public
X-Google-Thread: 1622d3,83a5f9e4eace21f1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-24 16:12:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax4.fluke.UUCP
Path: utzoo!decvax!tektronix!uw-beaver!fluke!moni
From: moni@fluke.UUCP (Monica Minneman)
Newsgroups: net.micro.apple,seattle.general
Subject: Apple II+ for sale
Message-ID: <2415@vax4.fluke.UUCP>
Date: Mon, 24-Jun-85 19:12:58 EDT
Article-I.D.: vax4.2415
Posted: Mon Jun 24 19:12:58 1985
Date-Received: Wed, 26-Jun-85 12:16:55 EDT
Distribution: na
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 10
Xref: tektronix net.micro.apple:02119 seattle.general:00000

I have an Apple II+ with NEC 12" monitor, 2 disks drives, 80 column-card and 64Kmemory, PRO-DOS and DOS 3.3. It's for sale for $1000.

Monica Minneman
1815 191st S.W.

Lynnwood, WA 98036   (206)356-5184 or (206)771-5002

From -2884964341112539176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a7a75dd07111ad04
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-25 12:04:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxd!romeroa
From: romeroa@pyuxd.UUCP (A Romero)
Newsgroups: net.micro.apple
Subject: Re: Hayes Micromodem II for sale
Message-ID: <1130@pyuxd.UUCP>
Date: Tue, 25-Jun-85 15:04:15 EDT
Article-I.D.: pyuxd.1130
Posted: Tue Jun 25 15:04:15 1985
Date-Received: Wed, 26-Jun-85 07:34:21 EDT
References: <1111@pyuxd.UUCP>
Organization: Bell Communications Research, Piscataway N.J.
Lines: 8

Romero again. To all of you who answered my advertisement:

I need you to send telephone numbers/machine addresses again-- I'm
afraid I accidentally threw out the file where I stored your responses.
Sorry about the inconvenience.
Thanx much...

A.Romero pyuxd!romeroa 201-921-3032

From 361270782768488952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,189d0fbeb70cab64,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-25 17:33:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Dos Kermit with 80 col card
Message-ID: <982@noscvax.UUCP>
Date: Tue, 25-Jun-85 20:33:06 EDT
Article-I.D.: noscvax.982
Posted: Tue Jun 25 20:33:06 1985
Date-Received: Wed, 26-Jun-85 12:23:33 EDT
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: na
Organization: Naval Ocean Systems Center, San Diego
Lines: 18

I have figured out how to use a 80 col card on Kermit, if this
has already been out please excuse me.
1. Bload kermit
2. call -151 - into monitor
3. Display $801 - this should be a jump
4. Display jump address - there should be two jsr instructions
5. Change the second jsr to "jsr cn00" - where n is slot # of 80 col card
   Now you can run the program by starting at $801 to test it
or bsave it so it will be ready to brun. Some things to look out for:
You should have the monitor reference manual avaliable, remember the
addresses are least significant then most significant order and the backspace
doesnt affect the screen alto it really has backspaced.
The bsave for 2.1a should be like this "bsave your_name,a$801,l$4e00".
Enjoy!

   We have sucessfully run this on Franklins, Apple][+ and Apple //e. Ah the
Franklin its not perfect but what a great machine!

From -8085261697167923286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7958a362cbd2ac28,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-25 18:05:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek
From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: 80-column cards
Message-ID: <583@utai.UUCP>
Date: Tue, 25-Jun-85 21:05:42 EDT
Article-I.D.: utai.583
Posted: Tue Jun 25 21:05:42 1985
Date-Received: Tue, 25-Jun-85 21:42:42 EDT
Distribution: net
Organization: CSRI, University of Toronto
Lines: 21

....
    A plea for assistance...   I've been working on a program
for the Apple II that uses the 80-column card, and am having
a bad time trying to get it going on the IIe. The
program does cursor addressing by sending characters to the card
via the "Pascal entry" at location $c9aa. This works fine on
(most cards) on the II+. On the IIe, however, all sorts of
extra weird characters are produced and the addressing is not always
accurate.
    I've tried poring over the IIe 80-column card ROM listings to no avail.
    Can anybody help me? I init the card (in slot 3) by jumping
to $c300.

    ANY help would be much appreciated. Please don't hold off
responding because you think someone else will -- I don't count
on a big response.
    Is there a standard initialization entry point other than $c300
for use by pascal?
   Thanks, Greg Dudek
   UUCP {ihnp4 utzoo decwrl uw-beaver}!utcsri![utai!]dudek
   CSNet dudek@toronto
   ARPA dudek%toronto@csnet-relay

From 522476759614570006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a79092b9b732e2ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-26 11:24:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!duke!jaf
From: jaf@duke.UUCP (Jeff Feinstein)
Newsgroups: net.micro.apple
Subject: Apple][e termcap
Message-ID: <5955@duke.UUCP>
Date: Wed, 26-Jun-85 14:24:10 EDT
Article-I.D.: duke.5955
Posted: Wed Jun 26 14:24:10 1985
Date-Received: Sat, 29-Jun-85 01:32:56 EDT
Organization: Duke University
Lines: 7

     Does anyone out there have a termcap for an apple][e
     with an 80 column card? Also, problems you've encountered
     while using said termcap would be greatly appreciated!

               Thanks in advance...
                        Jeff

From 6847341675885533796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82854d151d24b3a2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-27 15:06:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site loral.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcc3!sdcc6!loral!hlb
From: hlb@loral.UUCP
Newsgroups: net.micro.apple
Subject: Monogram's Forecast
Message-ID: <890@loral.UUCP>
Date: Thu, 27-Jun-85 18:06:05 EDT

Article-I.D.: loral.890
Posted: Thu Jun 27 18:06:05 1985
Date-Received: Mon, 1-Jul-85 06:31:07 EDT
Lines: 4

Does anyone have the copy parameters for this program using Copy][+
4.3 or 5.0?
I have a purchased original but since it writes to itself I'd like
a backup before proceeding. Thanks.

From -9128026572358622307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a79092b9b732e2ca
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-28 05:23:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!mit-eddie!think!
harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Apple][e termcap
Message-ID: <11342@brl-tgr.ARPA>
Date: Fri, 28-Jun-85 08:23:54 EDT
Article-I.D.: brl-tgr.11342
Posted: Fri Jun 28 08:23:54 1985
Date-Received: Tue, 2-Jul-85 06:09:07 EDT
References: <5955@duke.UUCP>
Organization: Ballistic Research Lab
Lines: 16

#
Apple //e with 80-column card
The modem interface is permitted to discard LF (maybe DC1), otherwise
passing characters to the 80-column firmware via COUT (PR#3 assumed).
Auto-wrap does not work right due to newline scrolling delay, which also
requires that you set "stty cr2".
Note: Cursor addressing is only available via the Pascal V1.1 entry,
not via the BASIC PR#3 hook. All this nonsense can be avoided only by
using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
     :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
     :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
     :sr=^V:up=^_:\
     :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
     :cm=^^%r%+ %+ :tc=apple2e:

From 1455621021223945630
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,6a8dfe106068dc25,start

X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,6a8dfe106068dc25,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-28 05:45:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC830713); site uva.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
genrad!mit-eddie!think!harvard!seismo!mcvax!uva!dolf
From: dolf@uva.UUCP (Dolf Starreveld)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Apple Laserwriter & VAXEN & AppleTalk ?
Message-ID: <170@uva.UUCP>
Date: Fri, 28-Jun-85 08:45:14 EDT
Article-I.D.: uva.170
Posted: Fri Jun 28 08:45:14 1985
Date-Received: Mon, 1-Jul-85 07:48:14 EDT
Reply-To: dolf@uva.UUCP (Dolf Starreveld)
Organization: Comp. Science Dept., University of Amsterdam
Lines: 29
Xref: watmath net.micro.apple:2003 net.micro.mac:1890

From what I read on the net, I think there are some sites that are using
the Apple Laserwriter from their Unix machines, as well as via the
AppleTalk network.
What I would like to know is:

1) Am I correct in this?
2) How have you connected the Laserwriter to both AppleTalk and Unix (VAX?)
3) Do you share the Laserwriter between the two?
4) Is it true that while talking to the Laserwriter via the RS232 port you
   can only use one built in font?
5) Does somebody market an interface that connects a VAX (Unix or VMS) to
   AppleTalk, i.e. some form of H/S-DLC protocol card?
6) Anybody have specific information on the above for VAXEN running VMS?

In case of enough replies I will summarize to the net.

--
              Dolf Starreveld
              Computer Science Department, University of Amsterdam

Usenet: {seismo, philabs, decvax}!mcvax!uva!dolf
Normal mail: Dolf Starreveld
              Computer Science Department
              University of Amsterdam
              Kruislaan 409
              Amsterdam
              The Netherlands

From -1549298675804812202

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7958a362cbd2ac28
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-29 08:31:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:ags
From: ags@pucc-h (Dave Seaman)
Newsgroups: net.micro.apple
Subject: Re: 80-column cards
Message-ID: <2114@pucc-h>
Date: Sat, 29-Jun-85 11:31:14 EDT
Article-I.D.: pucc-h.2114
Posted: Sat Jun 29 11:31:14 1985
Date-Received: Wed, 3-Jul-85 07:18:42 EDT
References: <583@utai.UUCP>
Reply-To: ags@pucc-h.UUCP (Dave Seaman)
Distribution: net
Organization: Purdue University Computing Center
Lines: 40
Summary:

In article <583@utai.UUCP> dudek@utai.UUCP (Gregory Dudek) writes:
>....
>   A plea for assistance...   I've been working on a program
>for the Apple II that uses the 80-column card, and am having
>a bad time trying to get it going on the IIe. The
>program does cursor addressing by sending characters to the card
>via the "Pascal entry" at location $c9aa. This works fine on
>(most cards) on the II+. On the IIe, however, all sorts of
>extra weird characters are produced and the addressing is not always
>accurate.
>   Can anybody help me? I init the card (in slot 3) by jumping
>to $c300.

The Pascal initialization entry is $C3xx, where xx is the value stored
at $C30D. On an enhanced //e the value is $4A, meaning that the initialization
entry JPINIT is located at $C34A. If you are using a different Apple II-series
machine (such as an unenhanced //e), or if you use a non-Apple 80-column card,
you will need to find the correct value for your machine.

Note that the $C300 entry does BASIC initialization, and BASIC does not
recognize cursor addressing.

For completeness, the other Pascal entry points are described as follows in
Apple's ROM listings (enhanced //e version):

```
* Pascal 1.1 Firmware Protocol table:
*
* This table identifies this as an Apple //e 80 column
* card.  It points to the four routines available to
* programs doing I/O using the Pascal 1.1 Firmware Protocol.
```

```
*

C30B:01       DFB  $01      ;GENERIC SIGNATURE BYTE
C30C:88       DFB  $88      ;DEVICE SIGNATURE BYTE
C30D:4A       DFB  #>JPINIT  ;PASCAL INIT
C30E:50       DFB  #>JPREAD  ;PASCAL READ
C30F:56       DFB  #>JPWRITE ;PASCAL WRITE
C310:5C       DFB  #>JPSTAT  ;PASCAL STATUS
--
Dave Seaman             ..!pur-ee!pucc-h:ags


From -7835691431508181799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82854d151d24b3a2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-01 07:21:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site mb2c.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!abnji!u1100a!pyuxww!gamma!
epsilon!mb2c!megcng
From: megcng@mb2c.UUCP (Carter Grabarczyk)
Newsgroups: net.micro.apple
Subject: Re: Monogram's Forecast
Message-ID: <194@mb2c.UUCP>
Date: Mon, 1-Jul-85 10:21:13 EDT
Article-I.D.: mb2c.194
Posted: Mon Jul  1 10:21:13 1985
Date-Received: Wed, 3-Jul-85 09:28:39 EDT
References: <890@loral.UUCP>
Organization: Michigan Bell, Southfield, MI
Lines: 8

> Does anyone have the copy parameters for this program using Copy ][+
> 4.3 or 5.0?
> I have a purchased original but since it writes to itself I'd like
> a backup before proceeding.  Thanks.

Don't know the parms for Copy][+ (a rather buggy program-try vers 5.2),
but you can use Locksmith 5.0 (any rev-A thru F) with no additional parms
and Forecast will copy just fine. Good luck!


From -5047580174513186300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc93b794f4bd5229,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-01 08:23:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site petfe.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!mtuxo!mtunh!mtung!mtunf!
ariel!vax135!petsd!petfe!randy
From: randy@petfe.UUCP (Randy Banton)
```

Newsgroups: net.micro.apple
Subject: Apple II plus for sale
Message-ID: <369@petfe.UUCP>
Date: Mon, 1-Jul-85 11:23:47 EDT
Article-I.D.: petfe.369
Posted: Mon Jul 1 11:23:47 1985
Date-Received: Wed, 3-Jul-85 07:07:53 EDT
Organization: Perkin-Elmer DSG, Tinton Falls, N.J.
Lines: 26

I am trying to clean out my upstairs and I wondering if anyone is
interested in purchasing the following. All is in working condition.

Wirewrapped Apple II plus - constructed on 3.5" X 7" boards with
                  gold plated pins. All plug into a backplane
                  that has gold plated/spring loaded fingers.
                  All is enclosed in a metal chassis (with fan).

I also have the dual disk controller, RAM expansion, and Vortrax speech
synthesizer, all of which work and plug into the backplane mentioned.

I have kept the system documented, so schematics matching the hardware
exist.

A Shugart SA400 disk with very few hours is also available. It is modified
to work with the Apple disk controller.

Someone may be interested in an Apple to drive hardware hacking projects.

Make me an offer if interested.

                        Randy Banton
                        201-758-7175

From 5938371409598343934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5daa1a93e687619,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-01 15:32:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxt.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!mhuxt!mhw
From: mhw@mhuxt.UUCP (wright)
Newsgroups: net.micro.apple
Subject: Apple IIe terminal definition
Message-ID: <974@mhuxt.UUCP>
Date: Mon, 1-Jul-85 18:32:25 EDT
Article-I.D.: mhuxt.974
Posted: Mon Jul 1 18:32:25 1985

Date-Received: Wed, 3-Jul-85 06:46:57 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 20

* REPLACE THIS LINE WITH YOUR MESSAGE ***

I am trying to find the right (best) terminal
configuration for an Apple IIe that works in the
UNIX environment.

If anyone has a terminal configuration that works
with the Apple IIe, and runs vi, I would appreciate
it if you could send me a copy of the TERM variable
definition from .profile.

Thanks in advance.

Marshall Wright
HL 2c-436
mhuxt!mhw

From 3181133279595007810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aa7a752d9bf522bd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 05:23:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site eisx.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!eisx!jtb
From: jtb@eisx.UUCP (J. Burgess)
Newsgroups: net.micro.apple
Subject: Fourth Dimension Drive broken - HELP
Message-ID: <934@eisx.UUCP>
Date: Tue, 2-Jul-85 08:23:03 EDT
Article-I.D.: eisx.934
Posted: Tue Jul 2 08:23:03 1985
Date-Received: Wed, 3-Jul-85 09:27:40 EDT
Organization: AT&T Info. Sys. Labs, South Plainfield NJ
Lines: 41

I have a Fourth Dimension disk drive on my Apple][+.
It READs just fine. (Well, actually the heads are getting a bit out of align,
but that's a different story...)

Anyway, I cannot WRITE to it at all.
I've tried the following:

unplugged the pairs of leads to what appears to be a LED and sensor

on opposite sides of the write-protect notch. Then:
a) left either-one/both "open"
b) left one/both "wired" (i.e., I put a short wire from one pin
   in the connector back into the other pin.)

c) shorted the "write-protect" pin (#19???) on the
   connector to the disk controller to +5.
d) various combinatons of the above.

Whew. At least I didn't destroy anything!
The result is consistent in both drives 1 and 2. ... no luck.
Meanwhile my Apple-brand disk keeps on humming, four years later.

Questions: Why didn't at least one of the above work?
What CAN I do to be able to write on it?
(and at the same time still be able to control w-protect, if possible,
even if via external, manual switch!)

And on my other problem, what luck have people had in adjusting disk drives?
Is it a procedure that a software-type (i.e., 8-of-10-thumbs around
a soldering iron) can handle? How long does it take?
I have A.P.P.L.E.'s disk-analyzer, which has zillions of warnings
and caveats. Are they over-doing it or what?
If I go to a store, how much is it likely to cost?

Thanks, world.

John Burgess
--
John Burgess
ATT-IS Labs, So. Plainfield NJ (HP 1C-221)
{Action Central}!eisx!jtb
(201) 561-7100 x2481 (8-259-2481)

From 8963498219827774452
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c029c15d274991,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 10:36:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihopb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihopb!suem
From: suem@ihopb.UUCP (Sue McKinnell)
Newsgroups: net.micro.apple
Subject: need help with PIE and a NEC printer
Message-ID: <699@ihopb.UUCP>
Date: Tue, 2-Jul-85 13:36:21 EDT
Article-I.D.: ihopb.699
Posted: Tue Jul 2 13:36:21 1985
Date-Received: Wed, 3-Jul-85 20:09:20 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 14

I have a friend who needs help using PIE with his NEC PC8023A-C
printer. He cannot figure out how to pass control codes to the
printer from PIE. He is a novice user and I don't really want
to learn PIE and all about a NEC to figure this out. He HAS
talked to NEC and PIE people and to the people from whom he bought
the printer, but they have not helped him. Any information about
how to modify PIE (if such is possible) for the NEC or pointers
to such information would be greatly appreciated.
Thanks, Sue McKinnell   ihnp4!ihopb!suem   312-979-5313
--

Sue McKinnell
...!ihnp4!ihopb!suem
IH 6K322 x5313

From -7446144226837002099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffc98b148911e257,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 15:28:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucla-cs.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!decwrl!greipa!pesnta!
hplabs!sdcrdcf!trwrb!trwrba!cepu!ucla-cs!seth
From: seth@ucla-cs.UUCP
Newsgroups: net.micro.apple
Subject: Apple IIc systems and configurations (Query)
Message-ID: <6235@ucla-cs.ARPA>
Date: Tue, 2-Jul-85 18:28:17 EDT
Article-I.D.: ucla-cs.6235
Posted: Tue Jul 2 18:28:17 1985
Date-Received: Fri, 12-Jul-85 01:30:40 EDT
Organization: UCLA Computer Science Department
Lines: 23

Hello out there. I've decided to call upon the collective
wisdom to make suggestions regarding a purchase to be made
soon.

I want to get an apple II c, letter quality printer, color monitor,
and a word processor. I would appreciate comments regarding any of
the above (not of the variety: why not a Mac?). Any info concerning
good places to purchase the above (in the Los Angeles or Portland, OR
areas) would also help.

So far I've had recommended the Brother HR-15 LQP, and Word Juggler.
I have no intuitions concerning monitors and the like.

Please send your replies to me directly and I'll (eventually) post
a summary to the net.

Thanks very much,
                            Seth Goldman

ARPA: (now) seth@UCLA-LOCUS.ARPA   (soon) seth@LOCUS.UCLA.EDU
UUCP: ...!{ihnp4,cepu,trwspp,sdcrdcf,ucbvax}!ucla-cs!seth
USMail: A.I. Lab, 3531 Boelter Hall, UCLA, Los Angeles, CA 90024
MaBell: (213) 825-5199

From 6059817941639469446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a52a90bcf37d0836,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 15:53:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!mhuxt!houxm!mtuxo!mtunh!mtung!
mtunf!ariel!vax135!petsd!peora!pesnta!qumix!ittvax!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: ENCHANTER question (hopefully not a
Message-ID: <2721@harpo.UUCP>
Date: Tue, 2-Jul-85 18:53:25 EDT
Article-I.D.: harpo.2721
Posted: Tue Jul 2 18:53:25 1985
Date-Received: Sun, 7-Jul-85 05:00:37 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 3
Nf-ID: #R:ncsu:-287100::37600022:000:3
Nf-From: !bob   Jun 14 16:05:00 1985

ke

From -4492518551928345993
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1763421ad0c16e03,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 15:53:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!mhuxt!houxm!mtuxo!mtunh!mtung!
mtunf!ariel!vax135!petsd!peora!pesnta!qumix!ittvax!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Titan/Saturn for PRODOS or Applicard
Message-ID: <2722@harpo.UUCP>
Date: Tue, 2-Jul-85 18:53:39 EDT
Article-I.D.: harpo.2722
Posted: Tue Jul 2 18:53:39 1985
Date-Received: Sun, 7-Jul-85 05:01:02 EDT
Sender: bob@harpo.UUCP

Organization: AT&T Bell Laboratories, Whippany
Lines: 5
Nf-ID: #N::37600023:000:108
Nf-From: !bob   Jul 2 16:53:00 1985

Has software been written to make the Titan/Saturn memory cards support
Prodos or the PCPI Applicard (CPM)

From 5606831332695515520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,daccf2cc9316cd69,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-02 17:11:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!mhuxt!houxm!mtuxo!mtunh!mtung!
mtunf!ariel!vax135!petsd!peora!pesnta!qumix!ittvax!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Titan/Saturn for PRODOS or Applicard
Message-ID: <2723@harpo.UUCP>
Date: Tue, 2-Jul-85 20:11:44 EDT
Article-I.D.: harpo.2723
Posted: Tue Jul 2 20:11:44 1985
Date-Received: Sun, 7-Jul-85 05:01:30 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 5
Nf-ID: #N::37600023:000:108
Nf-From: !bob   Jul 2 16:53:00 1985

Has software been written to make the Titan/Saturn memory cards support
Prodos or the PCPI Applicard (CPM)

From 8716766789879931460
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,83a5f9e4eace21f1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-03 18:53:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.4 $; site uiucdcs
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!authorplaceholder
From: ekblaw@uiucdcs.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple II+ for sale
Message-ID: <33100011@uiucdcs>
Date: Wed, 3-Jul-85 21:53:00 EDT
Article-I.D.: uiucdcs.33100011
Posted: Wed Jul 3 21:53:00 1985
Date-Received: Sat, 6-Jul-85 09:21:09 EDT

References: <2415@vax4.fluke.UUCP>
Lines: 16
Nf-ID: #R:vax4.fluke.UUCP:-241500:uiucdcs:33100011:000:492
Nf-From: uiucdcs.Uiuc.ARPA!ekblaw   Jul 3 20:53:00 1985

Would you be willing to part with parts of it?

I have an Apple II+ and two disk drives and a monitor. I just recently bought an 80-column card, but it is not so good. Yours, along with some of the rest of the supplies (64K RAM card, PRO_DOS, etc.) sounds interesting.

I'd like to know if you'd be interested in selling individual supplies, and what the price(s) would be.

Robert A. Ekblaw

Net mail: /daemon/uiucdcs/ekblaw

US snail: 1208 W. Clark St.
          Champaign, IL   61821

From 1788829222825163931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc93b794f4bd5229
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-03 18:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.4 $; site uiucdcs
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!authorplaceholder
From: ekblaw@uiucdcs.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple II plus for sale
Message-ID: <33100012@uiucdcs>
Date: Wed, 3-Jul-85 21:59:00 EDT
Article-I.D.: uiucdcs.33100012
Posted: Wed Jul 3 21:59:00 1985
Date-Received: Sat, 6-Jul-85 09:21:25 EDT
References: <369@petfe.UUCP>
Lines: 12
Nf-ID: #R:petfe.UUCP:-36900:uiucdcs:33100012:000:436
Nf-From: uiucdcs.Uiuc.ARPA!ekblaw   Jul 3 20:59:00 1985

I wouldn't be interested in the entire package, but the synthesizer sounds fine (no pun intended). I'm not sure how much they cost (I deal mostly through mail-order companies and have not been successful in finding a good synthesizer), but if you are interested in selling it seperately, send me an offer. I'll consider it.

Robert A. Ekblaw

Usenet: daemon/uiucdcs/ekblaw
US snail: 1208 W. Clark St.
Champaign, IL 61821

From 8558472062273743628
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ee9c4ec762bc7a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-04 12:21:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site trwrba.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!mtunh!mtung!mtunf!
ariel!vax135!petsd!pesnta!hplabs!sdcrdcf!trwrb!trwrba!bwong
From: bwong@trwrba.UUCP (Bradley W. Wong)
Newsgroups: net.micro.apple
Subject: apple tset
Message-ID: <1494@trwrba.UUCP>
Date: Thu, 4-Jul-85 15:21:31 EDT
Article-I.D.: trwrba.1494
Posted: Thu Jul 4 15:21:31 1985
Date-Received: Sun, 7-Jul-85 05:49:42 EDT
Organization: TRW EDS, Redondo Beach, CA
Lines: 7

If anyone out there has a good tset for an appleIIe running ascii
express could they send me a copy?

ucbvax!trwrb!trwrba!bwong

From 7221601014892792180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45261481c5d80202,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-06 10:36:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: So. Calif. Research Group?????
Message-ID: <15615@watmath.UUCP>
Date: Sat, 6-Jul-85 13:36:56 EDT
Article-I.D.: watmath.15615
Posted: Sat Jul 6 13:36:56 1985
Date-Received: Sun, 7-Jul-85 04:44:18 EDT
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 16

I have seen several ads for S.C.R.G. and their products: Switch-A-Slot, Extend-A-Slot, Paddle-Adapple, QuickLoader and 9-16 Adapter. I was interested in getting the Switch-A-Slot, a device that lets you choose between 4 cards, it's a box that sits on/under a disk drive and you just switch between each card.
My Question is: Has anyone dealt with this company before? Are they reputable?
Has anyone bought this Switch-A-Slot, and if so what are they like??
Is the Apple's Bus, u! capable of handling this?

Any comments would be appreciated as I am looking into buying one this fall, but I don't want to deal with a bad company, or get a bad product. Thanks.

Andrew Rahme.
hardware@watmath

From 3947064297781942270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ee9c4ec762bc7a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-07 10:55:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Re: apple tset
Message-ID: <15624@watmath.UUCP>
Date: Sun, 7-Jul-85 13:55:02 EDT
Article-I.D.: watmath.15624
Posted: Sun Jul 7 13:55:02 1985
Date-Received: Mon, 8-Jul-85 01:14:13 EDT
References: <1494@trwrba.UUCP>
Reply-To: hardware@watmath.UUCP (MFCF Hardware Lab)
Organization: U of Waterloo, Ontario
Lines: 5
Summary:

How about posting it to the net, although I believe that one just passed a few days ago.

From -3530398404910915425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,daccf2cc9316cd69
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-08 14:54:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek

From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Titan/Saturn for PRODOS or Applicard
Message-ID: <606@utai.UUCP>
Date: Mon, 8-Jul-85 17:54:42 EDT
Article-I.D.: utai.606
Posted: Mon Jul 8 17:54:42 1985
Date-Received: Mon, 8-Jul-85 18:44:12 EDT
References: <2723@harpo.UUCP>
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Organization: CSRI, University of Toronto
Lines: 5
Summary:

:
   While we're discussing software for Saturn RAMcards, in there software
that makes this card usable as a pseudo-disk from within Manx C?
  Greg Dudek.
(On the Apple II+.)

From 1000251773820051921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ee9c4ec762bc7a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-09 00:30:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site trwrba.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!mtuxo!mtunh!mtung!mtunf!
ariel!vax135!cornell!uw-beaver!tektronix!hplabs!sdcrdcf!trwrb!trwrba!bwong
From: bwong@trwrba.UUCP (Bradley W. Wong)
Newsgroups: net.micro.apple
Subject: apple tset
Message-ID: <1498@trwrba.UUCP>
Date: Tue, 9-Jul-85 03:30:26 EDT
Article-I.D.: trwrba.1498
Posted: Tue Jul 9 03:30:26 1985
Date-Received: Sat, 13-Jul-85 10:23:28 EDT
Organization: TRW EDS, Redondo Beach, CA
Lines: 43

#This entry assumes that you are using an apple with the UCSD Pascal
#language card. SYSTEM.MISCINFO is assumed to be the same as that
#supplied with the standard apple except that screenwidth should be set
#using SETUP to 80 columns. Note that the right arrow in not mapped in
#this termcap entry. This is because that key, on the Apple, transmits
#a ^U and would thus preempt the more useful "up" function of vi.
#
#HMH
#
#2/23/81
M0|apple|apple80|80-column apple with Pascal card:\

```
     :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
     :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
M0|apple40|40-column apple with Pascal card:\
     :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
     :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
# UCSD addition: Yet another termcap from Brian Kantor's Micro Munger Factory
M0|ap-vm80|apple with viewmax-80:\
      :bs:\
      :co#80:\
      :li#24:\
      :up=^_:\
      :nd=^\\:\
      :ce=^]:\
      :cl=300^L:\
      :cd=300^K:\
      :ho=200^Y:\
      :cm=100\036%+ %+ :
#From: decvax!cbosgd!cbdkc1!mww Mike Warren
M0|aepro|Apple II+ running ASCII Express Pro--vt52:\
      :bs:\
      :co#80:\
      :li#24:\
      :up=\EA:\
      :nd=\EC:\
      :ce=\EK:\
      :cl=300^L:\
      :cd=\EJ:\
      :ho=\EH:\
      :cm=\EY%+ %+ :


From 8828647478952785355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,26500d918b0ad1d,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,26500d918b0ad1d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-09 09:21:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site osu-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!mhuxn!ihnp4!cbosgd!apr!osu-
eddie!dcc
From: dcc@osu-eddie.UUCP (dcc)
Newsgroups: net.micro.apple,net.micro.cbm
Subject: PROMAL ?
Message-ID: <441@osu-eddie.UUCP>
Date: Tue, 9-Jul-85 12:21:35 EDT
Article-I.D.: osu-eddi.441
Posted: Tue Jul  9 12:21:35 1985
Date-Received: Thu, 11-Jul-85 08:34:55 EDT
Distribution: net
Organization: Ohio State Univ., CIS Dept., Cols, Oh.
Lines: 16
```

Xref: watmath net.micro.apple:2021 net.micro.cbm:1515

Does anybody out on the net know anything about PROMAL?

+ What is the language like? (C, Pascal, or Action! [on Atari])
+ How fast is it?
+ Is the generated code native 65002 or pseudo-code?
+ Does it generate compact code?
+ Can you compile modules separately (ie., does it have a linker)?
+ Does it come with an usable editor?

ANY information on this language/compiler is welcome, though I am interested primarily with the Apple version.

Thanks!

Daniel Chang
..!cbosgd!osu-eddie!dcc

From -1305314231286994920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ffc98b148911e257
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-10 13:27:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!mcnc!ncsu!ftsjmd
From: ftsjmd@ncsu.UUCP (Mike Davis)
Newsgroups: net.micro.apple
Subject: advice wanted on modems and term. software
Message-ID: <2891@ncsu.UUCP>
Date: Wed, 10-Jul-85 16:27:34 EDT
Article-I.D.: ncsu.2891
Posted: Wed Jul 10 16:27:34 1985
Date-Received: Sat, 13-Jul-85 10:37:08 EDT
References: <6235@ucla-cs.ARPA>
Organization: N.C. State University, Raleigh
Lines: 21

<>

I am thinking about buying a modem for my Apple II plus. I have
a language card and a Videx 80 column card and would like for the
modem/software combination to use the 80 column card. I don't need
all the modem functions like auto dial and auto answer and would thus
like to save some money by buying a modem which does not have these
features. I am asking the net for some advice as to modem and
terminal software combinations that are inexpensive and as an added plus
will work with my Videx. I don't know about all the features that can
come with a modem, so if you think there are some other features that
I might not want then let me know that too.

Please help, and respond by mail. Include prices if you can.
If several people say they too would like to see the results then
I will post them for the net.

Thanks,

Mike
Davis

From 779127721713411150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dfe8c912f5f1e016,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-11 21:29:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ittral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!ittatc!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: PROMAL for the Apple //e
Message-ID: <175@ittral.UUCP>
Date: Fri, 12-Jul-85 00:29:04 EDT
Article-I.D.: ittral.175
Posted: Fri Jul 12 00:29:04 1985
Date-Received: Thu, 18-Jul-85 06:24:04 EDT
Distribution: net
Organization: ITT Telecom B&CC Eng. Group, Raleigh, NC
Lines: 52

I have recently had the opportunity to use PROMAL, a compiler from
Systems Management Associates, on my Apple //e. What follows is not a
detailed review, but a brief summary of PROMAL's features.

First of all, PROMAL (the Apple version) will only run on an Apple //e
or Apple //c. It requires the 80 column card and extra memory. PROMAL
runs under ProDOS, but it has its own environment for editing,
compiling, and running programs. Standalone PROMAL applications to run
under ProDOS can be developed, however. This requires the developers
version of the system, and costs a bit more.

PROMAL compiles down to an intermediate code which is interpreted at
runtime. The executive is quite fast, however, and PROMAL programs
consistantly run faster than Apple (UCSD) Pascal, which is also
interpreted. In the benchmarks I've run, only Aztec C runs faster than
PROMAL (3-5 times faster, but that's native code). Turbo Pascal is
also faster, but that's not a fair comparison since Turbo runs on a
Z-80 under CP/M. At any rate, PROMAL beats the heck out of BASIC, even
compiled basic.

The PROMAL editor is pretty good. It is a screen oriented editor which
is basically modeless, and has most of the usual text editor features
as well as handy programming features (auto-indent, etc). Function

keys are implemented by using the open-apple key and any number (0-9). Each function key may also be reasssigned.

The compiler is fast and generates small code. It can compile from memory, so you can leave the editor and compile without any disk activity. PROMAL uses the 64K extension as a "workspace" similar to a ramdisk. Include files and chaining are supported, but not separate compilation. There is no linker or assembler.

PROMAL looks like a cross between C and Pascal. It has byte, integer, word (unsigned int), and real data types. It has arrays, but no structures or unions (records or sets for Pascal fans). It has all the major constructs such as for, while, repeat, case. It supports strings a la C (null terminated) and, like C, depends on an I/O library for many functions. Formatted i/o is very similar to the C implementation.

The programming environment is sort of like a shell, and supports I/O redirection and a history feature with command line editing. As in the editor, function keys are implemented.

All in all, it's pretty good. It's easy to use, easy to learn, and doesn't take half an hour to compile like some other compilers.

I'll be glad to answer any other questions by mail. Hope this was of some help to someone.

Doug Hall
ITT Telecom, Raleigh, NC
decvax!ittvax!ittral!hall

From 8162224457110512268
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,20dcd87e67d6005c,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,20dcd87e67d6005c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-12 11:37:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/3/85; site casemo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!decuac!casemo!bill
From: bill@casemo.UUCP (Bill Jensen)
Newsgroups: net.micro.apple,net.wanted
Subject: database/scheduler wanted for Apple III+
Message-ID: <110@casemo.UUCP>
Date: Fri, 12-Jul-85 14:37:29 EDT
Article-I.D.: casemo.110
Posted: Fri Jul 12 14:37:29 1985
Date-Received: Sun, 14-Jul-85 08:21:15 EDT
Organization: CASE Communications, Inc., Silver Spring, MD
Lines: 24
Xref: watmath net.micro.apple:2025 net.wanted:6724

I am working with a non-profit group that is running a large convention. We would like to set up a database to help us with our scheduling. We have access to an Apple III+ with 256K memory, 2 floppy drives, and a serial printer. Also, we have Apple Pascal available.

Ideally, we would like to be able to set up entry forms for the records, do retrievals with multiple constraints, sort lists of records, and all the other neat things a DBMS should do. It would also be nice to be able to write Pascal programs to interact with the database as well. Also, programs for doing scheduling problems would be of interest to us.

We would greatly appreciate any info/advice that folks might have for us. Please reply to me by mail. If anyone is interested in what we find out, drop me a line and I'll send you a summary. Thanks in advance for your help.

Bill Jensen

USENET address: {seismo,decvax}!decuac!casemo!bill

From 7961998798276109016
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4dddac8788572fc1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-12 12:29:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!stolaf!umn-cs!
isucs1!shaver
From: shaver@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Ultraterm termcap entries
Message-ID: <328@isucs1.UUCP>
Date: Fri, 12-Jul-85 15:29:42 EDT
Article-I.D.: isucs1.328
Posted: Fri Jul 12 15:29:42 1985
Date-Received: Sat, 20-Jul-85 07:41:06 EDT
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 39
Nf-ID: #N:isucs1:9900003:000:1215
Nf-From: isucs1!shaver Jul 11 23:16:00 1985

[-=-]

After _FINALLY_ getting my termcap working for my Ultraterm display

card, I thought I would pass this along to anyone that might have a use
for it. [I don't make COMPLETE guarantees, but it works for me!]

The visible bell option works especially nice.

My system [for reference] : Apple][+, 64K, Ultraterm display card,
                  Apple Cat][212 modem, + more all
                  controlled by ASCII Express: Pro.

[BTW: If anyone has questions or problems with the Apple Cat, or AE: Pro,
 I might be able to help. Just mail!]

  /---=[
 // Dave Shaver
<< UUCP: {okstate|umn-cs|csu-cs}!isucs1!shaver   CSNET: shaver@iowa-state
 \\ [Iowa State University - Ames, IA] These are my comments, no one else's.
  \---=[

(*=---[SOT]---=*)
vx|uterm-vb|Videx Ultraterm for Apple micros with Visible Bell:\
        :co#80:li#24:am:\
        :cl=^L:bs:cm=^^%r%+ %+ :\
        :nd=^\:up=^_:ho=^Y:ce=^]:\
        :cd=^K:so=^O:se=^N:\
        :eo:is=^V4^W06^O^MVisible\ Bell\ Installed.^N^M^J:\
    :xt:vb=^W35^W06:

vu|uterm|? Ultraterm for Apple micros:\
        :co#80:li#24:am:\
        :cl=^L:bs:cm=^^%r%+ %+ :\
        :nd=^\:up=^_:ho=^Y:ce=^]:\
        :cd=^K:so=^O:se=^N:\
        :eo:is=^V4^W06^N:xt:
(*=---[EOT]---=*)

From -2488451755264026950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45261481c5d80202
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-12 12:58:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: So. Calif. Research Group?????
Message-ID: <482@mmintl.UUCP>
Date: Fri, 12-Jul-85 15:58:45 EDT
Article-I.D.: mmintl.482
Posted: Fri Jul 12 15:58:45 1985
Date-Received: Mon, 15-Jul-85 00:40:51 EDT
References: <15615@watmath.UUCP>

Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Distribution: net
Organization: Multimate International, E. Hartford, CT
Lines: 26
Summary:

*
I bought the Extend-a-slot from SCRG. When I tried it with a PCPI Applicard and tried to boot CP/M it did not work. I then tried it with a Videx Ultra-term and got occasional bad stuff on the screen. I called SCRG and spoke to one of the most reasonable and helpful people I've ever dealt with at a company. He explained that the Extend-a-slot is not recommended for coprocessor cards and some others add-ons. I have not tried it with any other cards, and obviously its length creates too much noise for some card functions. But just on the quality of the response I got (he said I could return it for a complete refund if I wanted), I highly recommend the company. I don't know how long the Apple bus can be extended from a slot, but I see no reason not to try any of their other products. You may be limited as to what cards you can use though.

Jeff
(203) 522-2116 x257

```
    ************************************************
    *    Jeff Miller                 *
    *    Multimate International Corp.        *
    *    52 Oakland Avenue           *
    *    East Hartford, CT  06108-9911        *
    *  UUCP:                    *
    * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
    ************************************************
```
*

From -3671025766734550138
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,d9483df4c2185551,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,d9483df4c2185551,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-14 06:17:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!aicchi!egv
From: egv@aicchi.UUCP (Vann)
Newsgroups: net.micro.mac,net.micro.apple
Subject: CRUNCH (Paladin Software)
Message-ID: <514@aicchi.UUCP>
Date: Sun, 14-Jul-85 09:17:16 EDT
Article-I.D.: aicchi.514
Posted: Sun Jul 14 09:17:16 1985
Date-Received: Wed, 17-Jul-85 04:36:12 EDT

Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 36
Xref: watmath net.micro.mac:2026 net.micro.apple:2027

We just received a shipment of what is billed as a "power" users spreadsheet for the Macintosh entitled CRUNCH. It looks a great deal like 1-2-3 with a number of intelligent enhancements.

1 - Memory management is sophisticated ala the SMART spreadsheet. (i.e. unused cells are not allocated)

2 - Built-in spreadsheet auditing

3 - Graphics are available from the same menu (and disk) as CRUNCH.

But...

While playing with the REPLICATE function a rather nasty "feature" was discovered. If you should exceed memory by say attempting to replicate a formula or value the length of an entire column (9K plus cells) you run out of memory at approximately 5600+ cells. The application dutifully notifies you of this fact. If you then erase the cells in that column and now try to enter data anywhere else on the spreadsheet it will not allow such a move.

The reason is that the application is still certain that you are out of memory. Some flag has not been reset! Thus you are suddenly unable to do anything else and the supposedly unused cells still be considered in the memory management allocation schema.

Other than this the documentation and appearance are clean. I trust that the bug will be cleaned up in the next release. Rumor has it that Paladin was bought out by Lotus. Or am I confusing them with Palantir, or simply mistaken altogether?

--

Eric Geoffrey Vann
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!egv

From 8489119495176062962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,346ca012e2109a3f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-14 14:55:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site ark.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!vu44!botter!ark!boomsma
From: boomsma@ark.UUCP (Raoul Boomsma)
Newsgroups: net.micro.apple

Subject: Terminal Emulation for Pascal
Message-ID: <527@ark.UUCP>
Date: Sun, 14-Jul-85 17:55:11 EDT
Article-I.D.: ark.527
Posted: Sun Jul 14 17:55:11 1985
Date-Received: Sat, 20-Jul-85 03:21:46 EDT
Reply-To: boomsma@ark.UUCP (Raoul Boomsma)
Organization: VU Informatica, Amsterdam
Lines: 14
Keywords: Apple Pascal 1.2

Hi there,

I am looking for a terminal emulation program running on Apple Pascal 1.2, using the cursor addressing and other features of the 80-column card. It is supposed to send it's I/O to the slots REMIN: and REMOUT:, and it's preferable to have some features for file transferring, as well as some buffering capacities. Does somebody have such a program, including a useful termcap entry? My splashing gratitude if you could send it to me (below).

Thanks in advance,
--
Raoul Boomsma
Amsterdam (The Netherlands)
...{seismo|decvax|philabs}!mcvax!vu44!ark!boomsma

From 2733572284780830231
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c8eff7bff9ad240,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-16 07:38:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Version 1.0 Netnews CMS/BITNET 5/19/85; site PSUVM.BITNET
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!cmu-cs-pt!cadre!psuvax1!
psuvm.bitnet!gms
From: GMS@psuvm.BITNET
Newsgroups: net.micro.apple
Subject: need apple basic to ibm conversion aid
Message-ID: <1945GMS@psuvm>
Date: Tue, 16-Jul-85 10:38:55 EDT
Article-I.D.: psuvm.1945GMS
Posted: Tue Jul 16 10:38:55 1985
Date-Received: Sat, 20-Jul-85 05:43:49 EDT
Lines: 14

We have a large number of programs written in Apple BASIC that we would like to convert to run under GW-BASIC on a Zenith 150. Does anyone in netland know of a book or program to facilitate this conversion process? Anything to facilitate conversion from Apple II BASIC to IBM BASIC would help. (Even useful article references in the micro journals would be of use.)

Reply either directly to me or to the net.

Gerry Santoro -- Microcomputer Information and Support Center
Penn State University
. . . !psuvax1!santoro (uucp)
. . . !psuvax1!psuvm.bitnet!gms (uucp --> bitnet)

From -6598001404815028174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,56118b146b030a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-16 12:50:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site pedsgd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!qantel!hplabs!
tektronix!uw-beaver!cornell!vax135!petsd!pedsgd!bobh
From: bobh@pedsgd.UUCP (Bob Halloran)
Newsgroups: net.micro.apple
Subject: Educational S/W Sources for II series?
Message-ID: <201@pedsgd.UUCP>
Date: Tue, 16-Jul-85 15:50:36 EDT
Article-I.D.: pedsgd.201
Posted: Tue Jul 16 15:50:36 1985
Date-Received: Fri, 19-Jul-85 02:36:20 EDT
Distribution: net
Organization: Perkin-Elmer, Tinton Falls, NJ
Lines: 17

Does anyone out there in net-land have a good pointer to a sourcebook
for low-cost/PD educational S/W for the][? My wife's school is
installing a half-dozen][e's for this school year and put her in
charge of software procurement. Any hints? Please reply by mail.
Information on user's groups specializing in educational S/W would also
be appreciated.

Thanks in advance.

Bob Halloran
Sr MTS, Perkin-Elmer DSG
==========
UUCP: {ihnp4, decvax, ucbvax}!vax135!petsd!pedsgd!bobh
USPS: 106 Apple St M/S 305, Tinton Falls NJ 07724
DDD: (201) 758-7000
Disclaimer: My opinions are mine alone. (*) is a {trademark, copyright} of (*).
Quote: "There are times when verbal ingenuity are not enough." - B. Banzai

From -1610104857028088676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783cd706f7a27645,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-07-17 05:34:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ellie.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!rocksanne!sunybcs!ellie!rapaport
From: rapaport@ellie.UUCP (William J. Rapaport)
Newsgroups: net.micro.apple
Subject: net.mac?
Message-ID: <474@ellie.UUCP>
Date: Wed, 17-Jul-85 08:34:21 EDT
Article-I.D.: ellie.474
Posted: Wed Jul 17 08:34:21 1985
Date-Received: Sat, 20-Jul-85 16:50:43 EDT
Distribution: net
Organization: SUNY/Buffalo Computer Science
Lines: 11

Is there a net for Macintosh users, or is net.micro.apple the
appropriate one?

--
                  William J. Rapaport
                  Assistant Professor

Dept. of Computer Science, SUNY Buffalo, Buffalo, NY 14260
(716) 636-3193
uucp: ...{rocksvax|decvax}!sunybcs!rapaport
csnet/arpanet: rapaport%buffalo@csnet-relay

From 4321685452589821042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,927f9cadc1e02857,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-17 08:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesnews 0.1 (unido 12/05/84); site unido.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!unido!vr0z05
From: vr0z05@unido.UUCP
Newsgroups: net.micro.apple
Subject: Quest.: Keyan Pascal?
Message-ID: <15600005@unido.UUCP>
Date: Wed, 17-Jul-85 11:45:00 EDT
Article-I.D.: unido.15600005
Posted: Wed Jul 17 11:45:00 1985
Date-Received: Sat, 20-Jul-85 16:46:28 EDT
Sender: notes@unido.UUCP
Lines: 10
Nf-ID: #N:unido:15600005:000:341
Nf-From: unido!vr0z05   Jul 17 13:45:00 1985

[This line for the old line eater]

Has anybody out there in net-land any experinces with Keyan-Pascal

for the Apple II. If so, please e-mail to me.

     Uwe Hoch
     Computer Science Department, University of Dortmund
     4600 Dortmund 50, P.O. Box 500500, W.-Germany
     E-mail address UUCP: philabs!{hpfcla!hpbbn, mcvax}!unido!vr0z05

From 7939327070174852856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dfe8c912f5f1e016
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-17 08:58:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidcc.UUCP
Path: utzoo!linus!philabs!ttidca!ttidcc!paulb
From: paulb@ttidcc.UUCP (Paul Blumstein)
Newsgroups: net.micro.apple
Subject: Re: PROMAL for the Apple //e
Message-ID: <563@ttidcc.UUCP>
Date: Wed, 17-Jul-85 11:58:41 EDT
Article-I.D.: ttidcc.563
Posted: Wed Jul 17 11:58:41 1985
Date-Received: Sat, 20-Jul-85 05:31:54 EDT
References: <175@ittral.UUCP>
Reply-To: paulb@ttidca.UUCP (Paul Blumstein)
Distribution: net
Organization: Organization to Outlaw Organizations
Lines: 10
Summary:

*** Don't Replace This Line \! ***

Thorough Review! However, one may ask themselves why they would use a
language that is peculiar to a machine and not used by a large community.
You will not be able to transport programs, take your knowledge elsewhere,
and will have the constant fear of PROMAL disappearing with the other
myriads of computer languages.

     Paul Blumstein
     philabs!ttidca!paulb

From 8321336216401367964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d9483df4c2185551
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,d9483df4c2185551
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-07-17 11:55:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site tolerant.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!oliveb!bene!tolerant!dws

From: dws@tolerant.UUCP (Dave W. Smith)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: CRUNCH (Paladin Software)
Message-ID: <119@tolerant.UUCP>
Date: Wed, 17-Jul-85 14:55:33 EDT
Article-I.D.: tolerant.119
Posted: Wed Jul 17 14:55:33 1985
Date-Received: Thu, 18-Jul-85 08:20:21 EDT
References: <514@aicchi.UUCP>
Distribution: net
Organization: Tolerant Systems, Inc. San Jose, CA
Lines: 22
Xref: watmath net.micro.mac:2057 net.micro.apple:2029

> Rumor has it that Paladin
> was bought out by Lotus. Or am I confusing them with Palantir, or simply
> mistaken altogether?

*** REPLACE THIS LINE WITH YOUR RUMOUR ***

Paladin/VisiCorp is across the street from us. Paladin, who was developing some sort of an AI based integrated thingy, was formed by some ex Visi people. After remerging with Visicorp (after a bloodbath at Visi), the newly formed Paladin/VisiCorp decided that they really wanted to stay in software publishing. They layed off most of their technical people (some of whom were QAing CRUNCH as their final assignment). Now, cars are seldom seen in their parking lot past 6:00pm. Also, CRUNCH wasn't developed in-house.

An apocryphal story about the old Visicorp told that the only manager in-house who actually *used* any of their products was Mitch Kapor.

[standard disclaimer]
--
  David W. Smith {ucbvax}!tolerant!dws
  Tolerant Systems, Inc.
  408/946-5667

From -4246314440421523773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,6f4f625e4f0318e8,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,6f4f625e4f0318e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-17 14:05:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sjuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!sjuvax!iannucci
From: iannucci@sjuvax.UUCP (iannucci)
Newsgroups: net.micro.apple,net.info-terms
Subject: Apple III/AT&T 3B2 dialup
Message-ID: <1195@sjuvax.UUCP>
Date: Wed, 17-Jul-85 17:05:56 EDT

Article-I.D.: sjuvax.1195
Posted: Wed Jul 17 17:05:56 1985
Date-Received: Fri, 19-Jul-85 02:17:47 EDT
Reply-To: iannucci@sjuvax.UUCP (iannucci)
Organization: St. Joseph's University, Phila. PA.
Lines: 11
Xref: watmath net.micro.apple:2030 net.info-terms:611

I know of someone who is trying to dial up to the 3B2/300 where I work using an Apple III. I believe his software is called MicroTerm, and it is supposed to emulate a vt100, but isn't working. Does anyone know of a tried and true Apple III termcap, or a way that we could get this to work? Please send all replies by mail. Many thanks in advance.
--
If I could walk THAT way...

Dave Iannucci @ St. Joseph's University, Philadelphia [40 00' N 75 15' W]
{{ihnp4 | ucbvax}!allegra | {psuvax1}!burdvax | astrovax}!sjuvax!iannucci

From -6965904314703137236
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ae3daa7e28e7cff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-18 06:20:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxd!romeroa
From: romeroa@pyuxd.UUCP (A Romero)
Newsgroups: net.micro.apple
Subject: Looking for Gutenberg
Message-ID: <1234@pyuxd.UUCP>
Date: Thu, 18-Jul-85 09:20:20 EDT
Article-I.D.: pyuxd.1234
Posted: Thu Jul 18 09:20:20 1985
Date-Received: Sat, 20-Jul-85 03:28:38 EDT
Organization: Bell Communications Research, Piscataway N.J.
Lines: 19

I'm looking for information about a piece of software called Gutenberg for the Apple II series of computers. I've seen it work, so I know it's more or less the package I want, but I need a couple of questions answered, namely:

1) What company made it?
2) Is it still being published?
3) Does it support the Okidata 92 now? (Past versions didn't.)
4) Where can I find it?
5) How much do people want for it now?
6) How was support for the product?

Anyone who can tell me anything in these areas or relay other useful

information about Gutenberg can send me mail at ...!pyuxww!pyuxt!romeroa.
Thanxalot...
         -Antonio Romero

     "Whose side are you on?"
     "That would be telling."

From -5131619079407958519
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ec1bda7892a59968,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-23 07:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.7 $; site waltz
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!uiucdcs!
convex!waltz!buehring
From: buehring@waltz
Newsgroups: net.micro.apple
Subject: Apples and EMACS
Message-ID: <31300002@waltz>
Date: Tue, 23-Jul-85 10:00:00 EDT
Article-I.D.: waltz.31300002
Posted: Tue Jul 23 10:00:00 1985
Date-Received: Fri, 26-Jul-85 23:37:46 EDT
Lines: 71
Nf-ID: #N:waltz:31300002:000:2135
Nf-From: waltz!buehring   Jul 23 09:00:00 1985

This just in from the Info-Apple ARPA mailing list -- thought I
should spread the word.

From: Glen Daniels <MLY.G.DANIELS%MIT-OZ@MIT-MC>
Subject: Re: EMACS and Apple][e

[...]

I think you people may indeed be interested in the following ad
I picked up at Tech Square the other day...

EMACS & Apples?

 Yes, it's true! Now the famous display editor that was once available only
on mainframes can run on your Apple //e or //c computer.

AMACS is THE definitive editor for the Apple.

If you own an Apple, then you know that there is a dearth of competent text
editors available for your machine. The writing of AMACS was prompted by this
state, and now this state no longer exists.

Features:

Keyboard Macros	Winchester disk compatibility
LispM style matching parenthesis	Multiple buffers
M-X completing reader	Numeric and string arguments
Two Window Mode	Ultra-fast booting
Comprehensive manual	Auto fill and Atom word minor modes

Lisp, Merlin, C, Pascal, Text, and Fundamental modes

User-definable ergonomics, from M-X set key to blinker speed

AMACS's Merlin Mode is perfect for editing assembler code, with special commands for that assembler's style. In fact, AMACS was incestuously written using AMACS's own Merlin Mode. Source code is available as an option, and can be assembled, and linked with the Merlin assembler.

Introductory pricing: $75.00 Program Only; $350.00 Program & Source
$15.00 Demo Disk & Manual; (saving disabled, refundable)

Versions & Availability Creative Thinking Included
Call Creative Thinking at (617)232-4008

Dos 3.3	Now
ProDos	Sept. 1
Pascal	Show an interest

Send ARPANET Mail to:
PGS.BFOX@MIT-OZ.ARPA

(Minimum system requirements:)
(Apple //e 128k or Apple //c computer with one disk drive)

[...]

Does anyone out there already have it? Care to comment?

/Walt/

ARPA: Buehring%Waltz%TI-CSL@CSNet-Relay
UUCP: {convex!smu, texsun, ut-sally, rice} ! waltz ! buehring

From 7430235055676686916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a2df1a6b4081146,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-07-23 08:22:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcs!utcsstat!anthony
From: anthony@utcsstat.UUCP (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: Apple assembly code
Message-ID: <2233@utcsstat.UUCP>
Date: Tue, 23-Jul-85 11:22:52 EDT
Article-I.D.: utcsstat.2233
Posted: Tue Jul 23 11:22:52 1985
Date-Received: Tue, 23-Jul-85 12:31:21 EDT
Organization: U. of Toronto, Canada
Lines: 9

Is it possible once inside the Apple monitor to have listings of assembler code dumped onto the drive rather than the printer? I want to hopefully upload the assembler code to another machine for other uses.

--

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From 2583479842773220223
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ae3daa7e28e7cff
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-23 11:47:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!mit-eddie!cht
From: cht@mit-eddie.UUCP (Chester Liu)
Newsgroups: net.micro.apple
Subject: AE
Message-ID: <4768@mit-eddie.UUCP>
Date: Tue, 23-Jul-85 14:47:11 EDT
Article-I.D.: mit-eddi.4768
Posted: Tue Jul 23 14:47:11 1985
Date-Received: Thu, 25-Jul-85 07:25:25 EDT
References: <1234@pyuxd.UUCP>
Organization: MIT, Cambridge, MA
Lines: 6

****

Anyone know what terminal Ascii Express emulates? I have trouble using it to dialup to UNIX at M.I.T.

Thanks in advance.

From -8848762190973894366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b502d553a624c8e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-24 09:35:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!lll-crg!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Applesoft Basic Compilers
Message-ID: <188@ski.UUCP>
Date: Wed, 24-Jul-85 12:35:35 EDT
Article-I.D.: ski.188
Posted: Wed Jul 24 12:35:35 1985
Date-Received: Sat, 27-Jul-85 02:28:23 EDT
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 54

I need some information {help}.

I have been investigating Applesoft Basic Compilers, for the "new"
Apple //e. There is precious little information published about
compilers for Apple. The Apple Software Annual had a chapter, but it
is very outdated, seemingly based in information at least four years old.
This information is the same as that in an old issue of Softalk
magazine. One test was published in the Feb, '83 issue of Computer
Applications in the Laboratory, for the Apple][+.

The four compilers mentioned are:
     1)Microsoft Applesoft Compiler (TASC)
     2)Einstein Expediter (misnamed.. was the old On-Line Expediter
     ][, later revised and published by the Einstein Corp as the
     Einstein Compiler)
     3)Hayden Compiler +
     4)S.W. Data Systems - Speedstar.

The Einstein Compiler was taken off the market several years ago,
due to too much demand for support of a relatively low-cost, low-profit product.

The Hayden Compiler + was taken off the market recently; apparently it
didn't work reliably with the Aple //c and //e.

I have been unable to find the Speedstar.

Microsoft is making their compiler, which is said to work with the //c
and "old" //e, and should work with the "new" //e. However, based on
the "benchmark" tests done in the publications, the speed increase is
only about 3-5 times, maximum, with a 1.5x expansion in size.

BASED ON THIS HISTORY, I would like to know is there are other

compatible Applesoft Compilers out there? Does anyone have experience
with the Microsoft Compiler?

(some people have recommended the Aztec-C compiler, but I would rather
program and debug first in an interpreted language)

Please send me mail, or post to this newsgroup--THANKS!!

==========
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ucbvax,dual,sun}!twg!ski!dr
              dual!ptsfa!ski!dr
--
David Robins, M.D.
Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ucbvax,dual,sun}!twg!ski!dr
              dual!ptsfa!ski!dr

From -7303354674841876121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ae3daa7e28e7cff
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-24 22:22:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwmcsd1.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!uwmacc!uwmcsd1!jerry
From: jerry@uwmcsd1.UUCP (Jerry Lieberthal)
Newsgroups: net.micro.apple
Subject: Re: AE
Message-ID: <343@uwmcsd1.UUCP>
Date: Thu, 25-Jul-85 01:22:17 EDT
Article-I.D.: uwmcsd1.343
Posted: Thu Jul 25 01:22:17 1985
Date-Received: Sat, 27-Jul-85 02:14:45 EDT
References: <1234@pyuxd.UUCP> <4768@mit-eddie.UUCP>
Organization: U of Wi-Milwaukee, Computer Services Div
Lines: 19

> ************
>
> Anyone know what terminal Ascii Express emulates? I have trouble using
> it to dialup to UNIX at M.I.T.
>
> Thanks in advance.

My version of Ascii Express emulates :

a. Nothing (default)
b. ADM3a
c. VT52
d. Hazeltine
e. Soroc

and a few others. You have to set the terminal parameters for it to work.

- Jerry
  ihnp4!uwmcsd1!jerry

From -5086361123422477143
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d0da2689d8197d76,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,d0da2689d8197d76,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-07-25 08:56:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!tektronix!hplabs!
sdcrdcf!sdcsvax!jww
From: jww@sdcsvax.UUCP (Joel West)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Sculley kicks Jobs out for good
Message-ID: <1011@sdcsvax.UUCP>
Date: Thu, 25-Jul-85 11:56:47 EDT
Article-I.D.: sdcsvax.1011
Posted: Thu Jul 25 11:56:47 1985
Date-Received: Wed, 31-Jul-85 02:02:06 EDT
Organization: CACI, Inc - Federal, La Jolla
Lines: 30
Keywords: Jobs, powerplay, Pepsi generation
Xref: watmath net.micro.mac:2187 net.micro.apple:2047

In the July 25 Wall Street Journal, Apple prez John Sculley met
with stock analysts to lower their expectations, saying
that Christmas sales aren't going to be so hot so they're sitting
on costs and keeping down inventory. It goes on to say:

> In comments after the meeting, Mr. Sculley described Apple's recent reogani-zation as painful but necessary. Chairman and co-founder Steven P. Jobs was re-moved from day-to-day operating responsi-bilities in the restructuring about seven weeks ago.
>
> "I didn't come to Apple with the inten-tion of taking Apple away from Steve Jobs," Mr. Sculley said. "(But) it became increasing clear that Steve and I had two very different ideas on how the company

ought to be run."
   He said, "The outcome is very clear.
There is no role for Steve Jobs in the run-
ning of this company, either today or in the
future . . . (but) there is a role for Steve
Jobs as chairman of the board."
   Mr. Jobs didn't attend the meeting. ....

Joel West CACI, Inc. - Federal (c/o UC San Diego)
{ucbvax,decvax,ihnp4}!sdcsvax!jww
jww@SDCSVAX.ARPA

From 968641679795700205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,a321afd888b23bdf,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,a321afd888b23bdf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-26 12:05:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version Tektronix Network News Daemon (B 2.10.2 based); site tektronix.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!tektronix!robertj
From: robertj@tektronix.UUCP (Robert Jaquiss)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Help wanted with Microsoft Premium Softcard
Message-ID: <5545@tektronix.UUCP>
Date: Fri, 26-Jul-85 15:05:47 EDT
Article-I.D.: tektroni.5545
Posted: Fri Jul 26 15:05:47 1985
Date-Received: Sun, 28-Jul-85 09:13:56 EDT
Organization: Tektronix, Beaverton OR
Lines: 8
Xref: linus net.micro.apple:1729 net.micro.cpm:4019

Does anyone out there know how to make a Microsoft Premium Softcard
send all its output to an Apple slot?
I need to do this so I can hook up my braille display. Thanks in advance.
Robert S. Jaquiss
ucbvax!tektronix!robertj (uucp)
robert jaquiss@tektronix (csnet)
robert jaquiss.tektronix@rand-relay (arpanet)
(503) 627-6346 (audio phone at work)

From -4622595683519093657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d735955923744c31,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-07-26 20:18:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!decwrl!
dec-rhea!dec-nymgr!craparotta
From: craparotta@nymgr.DEC
Newsgroups: net.micro.apple
Subject: Ascii Express
Message-ID: <3317@decwrl.UUCP>
Date: Fri, 26-Jul-85 23:18:30 EDT
Article-I.D.: decwrl.3317
Posted: Fri Jul 26 23:18:30 1985
Date-Received: Sun, 28-Jul-85 09:16:17 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 15

Hi All,

Well I've heard that it supposed to emulate a VT52. I've never been able to
see this done at any of the Dealers I went to. They've even called up the
the HOTLINE and with there help it didn't work!!

I finally went and bought Softerm II and am using it no. It works great!!!
It emulates a VT102 and will also do a VT200 series soon. I strongly recco-
mend it....

Later

Joe Craparotta [NY1MM]

the above are personal opinions and not that of Digital Equipment!!!

From -8541762120053422356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d735955923744c31
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-29 05:26:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Ascii Express
Message-ID: <2741@harpo.UUCP>
Date: Mon, 29-Jul-85 08:26:40 EDT
Article-I.D.: harpo.2741
Posted: Mon Jul 29 08:26:40 1985
Date-Received: Thu, 1-Aug-85 06:38:02 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany

Lines: 8
Nf-ID: #R:decwrl:-331700::37600024:000:401
Nf-From: !bob   Jul 29 08:26:00 1985

Ascii express will emulate any of a number of terminals--there are
around 10 canned emulations-- or you can set appropriate parameters.
You have to remember that internally the software emulates a terminal
of some strange variety & a translation must be done to have it
appear as a vt52 to the outside world. On the incoming &
outgoing terminal selections, I believe the correct choices are 6 & 5.

From -4409426371074246382
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d735955923744c31
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-29 06:46:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Ascii Express
Message-ID: <2742@harpo.UUCP>
Date: Mon, 29-Jul-85 09:46:44 EDT
Article-I.D.: harpo.2742
Posted: Mon Jul 29 09:46:44 1985
Date-Received: Thu, 1-Aug-85 06:38:20 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8
Nf-ID: #R:decwrl:-331700::37600024:000:401
Nf-From: !bob   Jul 29 08:26:00 1985

Ascii express will emulate any of a number of terminals--there are
around 10 canned emulations-- or you can set appropriate parameters.
You have to remember that internally the software emulates a terminal
of some strange variety & a translation must be done to have it
appear as a vt52 to the outside world. On the incoming &
outgoing terminal selections, I believe the correct choices are 6 & 5.

From -7994271164689889413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f03fe02a40543c0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-29 07:33:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!think!mit-eddie!cht
From: cht@mit-eddie.UUCP (Chester Liu)
Newsgroups: net.micro.apple

Subject: shift-key mod. help!
Message-ID: <4814@mit-eddie.UUCP>
Date: Mon, 29-Jul-85 10:33:17 EDT
Article-I.D.: mit-eddi.4814
Posted: Mon Jul 29 10:33:17 1985
Date-Received: Wed, 31-Jul-85 22:28:56 EDT
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 12

References:

^^
Could anyone tell me how to do the shift-key modification on the Apple][+?
I need it to use it with wordprocessors, etc.
I have taken the computer apart before, but I am still not an expert.
Please be as clear as possible!

    Thanks!
    Chester

mit-eddie!cht

From -8266126798509436360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,495816a27ec8f2fc,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,495816a27ec8f2fc,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,495816a27ec8f2fc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-29 10:23:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site kontron.UUCP
Path: utzoo!linus!philabs!prls!amdimage!amdcad!amd!pesnta!pertec!kontron!cramer
From: cramer@kontron.UUCP (Clayton Cramer)
Newsgroups: net.micro.apple,net.micro.pc,net.micro
Subject: Epson To Apple LaserWriter Converter
Message-ID: <424@kontron.UUCP>
Date: Mon, 29-Jul-85 13:23:36 EDT
Article-I.D.: kontron.424
Posted: Mon Jul 29 13:23:36 1985
Date-Received: Thu, 1-Aug-85 21:06:28 EDT
Distribution: net
Organization: Kontron Electronics, Irvine, CA
Lines: 8
Xref: linus net.micro.apple:1738 net.micro.pc:4469 net.micro:9972

I've written a program in C that converts Epson MX-80 control codes to the
equivalent PostScript necessary for the Apple LaserWriter to emulate an
Epson MX-80. (Don't laugh --- you can't configure a lot of existing programs
to produce PostScript.)

Does anyone on the net have suggestions for companies that might be interested in buying such a program? Preferably, all rights to it --- I can't be bothered trying to advertise it and deal with customers.

From 3246665935026944688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a2df1a6b4081146
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-29 17:04:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple assembly code
Message-ID: <688@umd5.UUCP>
Date: Mon, 29-Jul-85 20:04:36 EDT
Article-I.D.: umd5.688
Posted: Mon Jul 29 20:04:36 1985
Date-Received: Wed, 31-Jul-85 22:41:19 EDT
References: <2233@utcsstat.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Organization: U of Md, CSC, College Park, Md
Lines: 26
Summary: It can be done, but...

In article <2233@utcsstat.UUCP> anthony@utcsstat.UUCP (Anthony Ayiomamitis) writes:
>
>   Is it possible once inside the Apple monitor to have listings of
>assembler code dumped onto the drive rather than the printer? I want to
>hopefully upload the assembler code to another machine for other uses.
>
There is a problem doing this, because the monitor does not expect the output routine (in CSWL) to destroy the X or Y registers, but the disk handler does destroy these registers. The problem manifests itself by about one line in 10 being broken, which is about the frequency at which it is actually doing disk block IO.

I do have an amazing basic program. You tell it what range of memory you are interested in, and it writes a data file with the disassembled program from that range of memory. I used it to freak the disk IO routines in DOS, so there was never a problem of memory usage collisions with the basic program itself. It calls the disassembler in the monitor as a subroutine, once for each line. CSWL has been replaced by a routine that just stores the chars in the buffer at 200. After decoding each line, the program writes the buffer at 200 to the file. Since the actual write call is from the basic program, blowing away the X register doesn't hurt anything.

Write me if you are interested in a copy of the program.

--
Ben Cranston ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben zben@umd2.ARPA

From -1732609128523244658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,747d3f11dc906ed6,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,747d3f11dc906ed6,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-07-29 18:54:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!aicchi!egv
From: egv@aicchi.UUCP (Vann)
Newsgroups: net.micro.mac,net.micro.apple
Subject: ConcertWare Plus
Message-ID: <533@aicchi.UUCP>
Date: Mon, 29-Jul-85 21:54:16 EDT
Article-I.D.: aicchi.533
Posted: Mon Jul 29 21:54:16 1985
Date-Received: Wed, 31-Jul-85 04:10:32 EDT
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 26
Xref: watmath net.micro.mac:2198 net.micro.apple:2048

WOW!

I don't know about most of you, but I program computers for a living. And after spending 8-10 hours in front of a CRT about the last thing you might imagine I'd want to do is sit for another 2-3 more at HOME! But the fact is I do and enjoy it. The Macintosh is simply a joy to work on.

Aside from the many programs I own that serve a purely functional purpose I have three which are simply diversions. I have Sargon III, MusicWorks and Videoworks. All three are from Hayden; well-done and relatively in-expensive as far as I am concerned. This Saturday I found another music program. I thought long and hard about buying another...but...this one is superb!

I take nothing away from MusicWorks, but ConcertWare + has simply got the others beat in the SOUND department. Without waxing (or perhaps only trying to) eloquent about the many features in the program, let me simply suggest that you go and hear it for yourself. If you like it fine. Maybe like me you'll buy it. If not then consider me as a person with a tin ear and let it go at that. But I think you'll be very pleasantly surprised.

--
Eric Geoffrey Vann
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!egv

From 3406360990921014749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2ec688f65998a3e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-30 14:00:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site spar.UUCP
Path: utzoo!decvax!decwrl!spar!lej
From: lej@spar.UUCP (Luis Jenkins)
Newsgroups: net.micro.apple
Subject: Apple IIe Mass Storage
Message-ID: <429@spar.UUCP>
Date: Tue, 30-Jul-85 17:00:39 EDT
Article-I.D.: spar.429
Posted: Tue Jul 30 17:00:39 1985
Date-Received: Wed, 31-Jul-85 16:23:03 EDT
Distribution: na
Organization: Schlumberger Palo Alto Research, CA
Lines: 31

<<< included for historical reasons >>>

What is the {best, easiest, cheapest} way of upgrading the disk storage on a IIe to over a Megabyte?

I don't feel like adding a string a 10 Apple disk drives with 5 controllers to do this!

Can you recommend:

a- Any other 5 1/4" drives for the IIe, preferably with close to 0.5M storage/drive?
b- Any 8" drives with more than 0.5M storage/drive?
c- A 5MB or 10MB Hard Disk?

that works without any problem under DOS, ProDOS and a Microsoft Z-80 SoftCard?

Have you used any of the above? What were your experiences?

10MB HDs for the (yeech!) IBM PC seem to be going for less than $600.00 these days. Is there anything even half as good for a IIe?

Thanks,

Luis Jenkins
Schlumberger Palo Alto Research, CA
...decwrl!spar!lej

From -875720468775041008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef23a7719f17c939,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-31 06:57:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihlpm!lyourk
From: lyourk@ihlpm.UUCP (LORANY)
Newsgroups: net.micro.apple
Subject: Re: Softronics - Amazing upgrade policy
Message-ID: <384@ihlpm.UUCP>
Date: Wed, 31-Jul-85 09:57:17 EDT
Article-I.D.: ihlpm.384
Posted: Wed Jul 31 09:57:17 1985
Date-Received: Sat, 3-Aug-85 01:28:58 EDT
References: <227@mb2c.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 46

> /**/
>I just logged on the the new Softronics update BBS and found out that they have
> a new version of Softerm-1 and Softerm-2 for the IIc/e with 128K memory.
> The new version doesn't even need a slot for the extra keypad, great right?
>
> Here's the update policy (their exact words, not mine):
. . .
. . .
>   2) Softerm 2 to Softerm 2c
>   a) $100 fee
>   b) Warranty registration must be on file
>   c) return the keypad expander circuit board
. . .
. . .
I desperately needed the extra slot so I had to upgrade.
Their present policy is, if you use a charge card, they
will clear it for $100 but will hold it for 30 days until they
get the keypad expander circuit board; after they receive the
expander, they will only charge $50.00.

The new //c version has a one page insert on the
differences between the two versions. One difference is a larger
capture buffer so it doesn't have to save to disk as often as the
64K version (this may be critical if you are talking to an IBM
system or any half duplex system that doesn't know what control S
is for). The other difference is that it no longer takes up a
slot and is very handy for //e or //c users because it uses the
open and closed Apple keys (I had hooked up the open and closed
Apple keys on the 64K version).

I like their product but I think charging for the upgrade is

unreasonable because of their advertized upgrade policy.
NOTE: They are working on a PRO DOS version which may be done by
Xmas so you may want to wait until then.

ihnp4!ihlpm!lyourk   Loran N. Yourk
                        AT&T Technologies

NOTE: Insert trademarks where they are needed.

Disclaimer: I have no connection with Softronics other than that I
use their product (because nothing else comes close to what I
need, unfortionally) and will only benefit from this if
Softronics gives me my $50.00 back (or if any of you in netland
want to give me the other $50.00 that you would have spent on the
upgrade - which is to say for either of the above, FAT CHANCE!).

From 2076060437188738241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d735955923744c31
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-07-31 13:59:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwmcsd1.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!uwmacc!uwmcsd1!jerry
From: jerry@uwmcsd1.UUCP (Jerry Lieberthal)
Newsgroups: net.micro.apple
Subject: Re: Ascii Express
Message-ID: <353@uwmcsd1.UUCP>
Date: Wed, 31-Jul-85 16:59:18 EDT
Article-I.D.: uwmcsd1.353
Posted: Wed Jul 31 16:59:18 1985
Date-Received: Fri, 2-Aug-85 08:08:01 EDT
References: <2741@harpo.UUCP>
Organization: U of Wi-Milwaukee, Computer Services Div
Lines: 11

> Ascii express will emulate any of a number of terminals--there are
> around 10 canned emulations-- or you can set appropriate parameters.
> You have to remember that internally the software emulates a terminal
> of some strange variety & a translation must be done to have it
> appear as a vt52 to the outside world. On the incoming &
> outgoing terminal selections, I believe the correct choices are 6 & 5.

Those are the parameters I recall also. I don't know if it makes a difference
with different boards; mine uses the Apple Super Serial Card.

     jerry.. ihnp4!uwmcsd1!jerry

From -4251693419526892429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef23a7719f17c939

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-01 09:01:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site moncol.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mtuxo!mtunh!mtung!mtunf!ariel!vax135!
petsd!moncol!ben
From: ben@moncol.UUCP (Bennett Broder)
Newsgroups: net.micro.apple
Subject: Re: Softronics - Amazing upgrade policy
Message-ID: <449@moncol.UUCP>
Date: Thu, 1-Aug-85 12:01:56 EDT
Article-I.D.: moncol.449
Posted: Thu Aug 1 12:01:56 1985
Date-Received: Sat, 3-Aug-85 03:39:03 EDT
References: <227@mb2c.UUCP>
Organization: Monmouth College, West Long Branch, NJ 07764
Lines: 43

>I just logged on the the new Softronics update BBS and found out that they have
>a new version of Softerm-1 and Softerm-2 for the IIc/e with 128K memory.
>The new version doesn't even need a slot for the extra keypad, great right?
>
>Here's the update policy (their exact words, not mine):
>
>   UPDATE POLICY:
>   1) Original Softerm to Softerm 2 or Softerm 2c
>   a) $100 fee
>   b) Program diskette label or Program Diskette
>   c) Title page of manual (contains serial number)
>   2) Softerm 2 to Softerm 2c
>   a) $100 fee
>   b) Warranty registration must be on file
>   c) return the keypad expander circuit board
>
>Don't get me wrong, I love these people; they have in my opinion the best
>terminal programs going on the Apple II series, bar none. But these fees
>seem a bit steep for a program with a list price of $195.

I hate them. First I buy the original Softerm. One of the main
reasons is that their ads promise *free* updates for the life of the
program. Then they come up with Softerm I and II. It corrects most
the bugs in the original program, plus adds xmodem support. So I call
the update number expecting to receive the updates. No way. They are
going back on their promise of perpetual support for Softerm, I must
send them $100 to get the updated package. And now I hear that I must
once again shell out $100 to keep my version current? Arggggggh!!!
Someone should sue these folks for false advertising.

Another problem. At work we have a few dozen AT&T 6300 PCs that we
would like to connect to our mainframe. Since we need Televideo 950
support (complete with protected fields) Softerm PC sounds like a
natural. Can you believe that these folks have no educational
discount and no quantity discount? If we want Softerm PC for 30

machines, it will cost 30*195= $5850!! The only other alternative
would be to buy a site licence, but that would cost more than buying
30 individual copies.

Ben Broder
..vax135!petsd!moncol!ben
..ihnp4!princeton!moncol!ben

From -5848818489587636317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,747d3f11dc906ed6
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,747d3f11dc906ed6
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-08-01 11:51:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site aurora.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!qantel!hplabs!ames!
aurora!al
From: al@aurora.UUCP (Al Globus)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: ConcertWare Plus
Message-ID: <381@aurora.UUCP>
Date: Thu, 1-Aug-85 14:51:40 EDT
Article-I.D.: aurora.381
Posted: Thu Aug 1 14:51:40 1985
Date-Received: Sun, 4-Aug-85 08:29:11 EDT
References: <533@aicchi.UUCP>
Distribution: net
Organization: NASA Ames Research Center, Mtn. View, CA
Lines: 23
Xref: watmath net.micro.mac:2258 net.micro.apple:2061

>
> I take nothing away from MusicWorks, but ConcertWare + has simply got the
> others beat in the SOUND department. Without waxing (or perhaps only
> trying to) eloquent about the many features in the program, let me simply
> suggest that you go and hear it for yourself. If you like it fine. Maybe
> like me you'll buy it. If not then consider me as a person with a tin
> ear and let it go at that. But I think you'll be very pleasantly surprised.
>

Before becoming a computer jock I was a professional musician. I tried
MusicWorks, ConcertWare+, and Professional Composer before buying
ConcertWare+. ConcertWare+ is superior to MusicWorks in a number of ways
besides sound, pieces can be longer, meter and key can change in the middle
of a piece, many more meters are available, etc. Professional Composer is
the most powerful system but it costs $500 and is in some ways inferior to
ConcertWare+, particularly in user interaction.

HOWEVER. None of these programs is really useful to a professional jazz or
pop musician. You can't add chord changes, the sound should be a midi interface

to a real instrument not these silly computer synthesizers that sound like a joke, ... I could go on for a while.

Bottom line: I bought ConcertWare+ but it's for sale now.

From -1557244650235642870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,fda3f8d345662135,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,fda3f8d345662135,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-01 15:26:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site sdchema.sdchema.UUCP
Path: utzoo!decvax!ittatc!dcdwest!sdcsvax!sdcc3!sdchema!gino
From: gino@sdchema.UUCP (Eugene G. Youngerman)
Newsgroups: net.micro,net.micro.apple
Subject: For Sale: Apple][e peripherals
Message-ID: <430@sdchema.sdchema.UUCP>
Date: Thu, 1-Aug-85 18:26:11 EDT
Article-I.D.: sdchema.430
Posted: Thu Aug 1 18:26:11 1985
Date-Received: Fri, 2-Aug-85 10:46:34 EDT
Distribution: na
Organization: Chemistry, UC San Diego
Lines: 23
Xref: dcdwest sdnet.computing:177 net.micro:6691 net.micro.apple:1945

We have for sale some unopened, untouched year old apple
][e peripherals.

quant.	item
3	apple II disk drives without controller
2	asynchrous serial ports
1	fortran card
1	pascal card

Make me an offer. We need to sell this stuff, as we are not buying the computer to use it.

Thanks GINO

619-452-4865
UCSD Dept. of Chemistry

--
gino@CHEM.UCSD.ARPA
gino@CHEM.UCSD.UUCP
sdcsvax!gino%chem.ucsd

From -4997239189911193836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c0b2,f5703807351e1ea7,start
X-Google-Attributes: gid12c0b2,public
X-Google-Thread: 127f49,f5703807351e1ea7,start
X-Google-Attributes: gid127f49,public
X-Google-Thread: 124863,f5703807351e1ea7,start
X-Google-Attributes: gid124863,public
X-Google-Thread: 1622d3,f5703807351e1ea7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-01 16:47:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Version 1.0 Netnews CMS/BITNET 5/19/85; site PSUVM.BITNET
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!cmu-cs-pt!cadre!psuvax1!
psuvm.bitnet!gmp
From: GMP@psuvm.BITNET
Newsgroups: net.micro.apple,net.music,net.social,net.wobegon
Subject: Re: windy city dude
Message-ID: <2023GMP@psuvm>
Date: Thu, 1-Aug-85 19:47:00 EDT
Article-I.D.: psuvm.2023GMP
Posted: Thu Aug 1 19:47:00 1985
Date-Received: Sat, 3-Aug-85 08:33:14 EDT
References: 718@wlcrjs.UUCP
Lines: 5
Xref: linus net.micro.apple:1744 net.music:7440 net.social:812 net.wobegon:226

THAT S THE PROBLEM WITH YOU CITY FOLKS. YOU GET OUT HERE IN THE COUNTRY AND
YOU DON KNOW WHAT TO DO. WELL. THIS MAY NOT GET TO YOU AND I WON T WRITE MUCH
BECAUSE WE ARE ALL PRETTY SHY HERE. BUT TRY AGAIN. THERE USED TO BE A NICE
PRAIRIE WHERE YOUR CITY NOW STANDS.

From 8914409850877350233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2ec688f65998a3e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-02 06:47:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtp47.UUCP
Path: utzoo!decvax!mcnc!rti-sel!rtp47!owen
From: owen@rtp47.UUCP (Karl M. Owen)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe Mass Storage
Message-ID: <120@rtp47.UUCP>
Date: Fri, 2-Aug-85 09:47:32 EDT
Article-I.D.: rtp47.120
Posted: Fri Aug 2 09:47:32 1985
Date-Received: Sat, 3-Aug-85 09:29:20 EDT
References: <429@spar.UUCP>
Reply-To: owen@dgux.fk.UUCP (Karl M. Owen)

Distribution: na
Organization: Data General, RTP, NC
Lines: 26

In article <429@spar.UUCP> lej@spar.UUCP (Luis Jenkins) writes:

>What is the {best, easiest, cheapest} way of upgrading the disk
>storage on a IIe to over a Megabyte?
>
>Can you recommend:
>
>   a- Any other 5 1/4" drives for the IIe, preferably with
>   close to 0.5M storage/drive?

     How about RANA Elite III drives? While they are a little expensive,
     they hold ~800K (if memory serves).

>   b- Any 8" drives with more than 0.5M storage/drive?
>   c- A 5MB or 10MB Hard Disk?

     I've been seriously looking at the Sider 10MB hard drive. I
     can't remember the company offhand, but check some recent
     issues of Byte. I've heard good things both from the net and
     from users I know.
>
>   Luis Jenkins

                Karl M. Owen
                Data General, RTP, NC
                ...!seismo!mcnc!rti-sel!rtp47!owen

From 3932530127313614310
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ed484d42dee61b2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-02 08:23:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!mit-eddie!cht
From: cht@mit-eddie.UUCP (Chester Liu)
Newsgroups: net.micro.apple
Subject: Homeword
Message-ID: <4844@mit-eddie.UUCP>
Date: Fri, 2-Aug-85 11:23:41 EDT
Article-I.D.: mit-eddi.4844
Posted: Fri Aug 2 11:23:41 1985
Date-Received: Sat, 3-Aug-85 10:22:18 EDT
Organization: MIT, Cambridge, MA
Lines: 20

[]
Anyone use Homeword with their Apple][+? I would like
to know how to get Homeword to print brackets [], tilde ~, and stuff
like that without having to use ctrl-X and the ascii code. When I
do that, it messes up my formatting on the typing area because it
looks something like this:
Apple
Ascii Code 96
Ascii Code 98
+
just to print Apple][+
Any help will be appreciated!

-Chester-

    mit-eddie!cht

p.s. A glossary function like Apple writer II would be very convenient.
p.p.s. Oh I wish I have an IIe instead!!!!! LIfe would be easier!!!!!!

From -1826774822397061 97
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8cd767f627042ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-02 14:58:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site bcsaic.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!hplabs!tektronix!uw-beaver!fluke!
ssc-vax!bcsaic!ted
From: ted@bcsaic.UUCP (ted jardine)
Newsgroups: net.micro.apple
Subject: Re: Softronics - Amazing upgrade policy
Message-ID: <202@bcsaic.UUCP>
Date: Fri, 2-Aug-85 17:58:42 EDT
Article-I.D.: bcsaic.202
Posted: Fri Aug 2 17:58:42 1985
Date-Received: Tue, 6-Aug-85 11:29:17 EDT
References: <227@mb2c.UUCP>
Reply-To: ted@bcsaic.UUCP (ted jardine)
Distribution: net
Organization: Boeing Computer Services AI Center, Seattle
Lines: 38

In article <227@mb2c.UUCP> jed@mb2c.UUCP (John Duncan) writes:
> ...
>Here's the update policy (their exact words, not mine):
>
>   UPDATE POLICY:
>   1) Original Softerm to Softerm 2 or Softerm 2c
>   a) $100 fee
>   b) Program diskette label or Program Diskette
>   c) Title page of manual (contains serial number)

>   2) Softerm 2 to Softerm 2c
>   a) $100 fee
>   b) Warranty registration must be on file
>   c) return the keypad expander circuit board
>
>Don't get me wrong, I love these people; they have in my opinion the best
>terminal programs going on the Apple II series, bar none. But these fees
>seem a bit steep for a program with a list price of $195.
>
>Please don't take this as a rub against this product, I just hope that
>no one makes the mistake of thinking that they can upgrade to the new
>product for any reasonable amount of money. If you want the version without
>the circuit card that uses the extra memory in the 128K IIc/e, make sure you
>get Softerm 2c *THE FIRST TIME*.

I can't comment on the contents of the bulletin board that you quote, but I
was an owner of Softerm-2 and was provided a Softerm-2c package (complete)
for $50, the title page of the old manual, the keypad expander card, and the
program diskettes. The new package is great on my Apple //e (enhanced) --
almost the same as the previous package, and the almost difference is not
essential, just cosmetic. I wouldn't EXPECT a company to upgrade for less
than the full price, so am pleased with the Softronics policy even if it were
to cost $100. There are several companies that I've come across that charge
full price for an upgrade.

TJ (with Amazing Grace) The Piper
(aka Ted Jardine)
Boeing Artificial Intelligence Center
...uw-beaver!uw-june!bcsaic!ted

From -3712048961719457484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3bf42abf400dba1d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-03 14:25:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site well.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!hplabs!well!bcx
From: bcx@well.UUCP (Bryan Costales)
Newsgroups: net.micro.apple
Subject: Request: Favorite Assembler
Message-ID: <122@well.UUCP>
Date: Sat, 3-Aug-85 17:25:20 EDT
Article-I.D.: well.122
Posted: Sat Aug 3 17:25:20 1985
Date-Received: Mon, 5-Aug-85 07:26:34 EDT
Reply-To: bcx@well.UUCP (Bryan Costales)
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 11

I am currently using Lisa 3.1 under ProDos. I would like to know
what other assemblers are available for ProDos, and how you would rate

them. Are there any "features" which get in the way of porting code
written with one from being adapted to another? Specifically, can source
code be read/written as a vannilla text file?

Please mail directly to me, and I will summarize the responses.

--
     Bryan Costales
     (...!dual!ptsfa!ski!eeg!bcx ...!ptsfa!well!bcx)

From 7590596442328047668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,495816a27ec8f2fc
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,495816a27ec8f2fc
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,495816a27ec8f2fc
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-08-04 00:31:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucsfcca.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!ucbvax!ucsfcgl!
ucsfcca!dick
From: dick@ucsfcca.UUCP (Dick Karpinski)
Newsgroups: net.micro.apple,net.micro.pc,net.micro
Subject: Re: Epson To Apple LaserWriter Converter
Message-ID: <392@ucsfcca.UUCP>
Date: Sun, 4-Aug-85 03:31:33 EDT
Article-I.D.: ucsfcca.392
Posted: Sun Aug 4 03:31:33 1985
Date-Received: Mon, 5-Aug-85 07:37:53 EDT
References: <424@kontron.UUCP>
Reply-To: dick@ucsfcca.UUCP (Dick Karpinski)
Distribution: net
Organization: UCSF Computer Center
Lines: 22
Xref: watmath net.micro.apple:2065 net.micro.pc:4827 net.micro:11311
Summary: Try Adobe

In article <424@kontron.UUCP> cramer@kontron.UUCP (Clayton Cramer) writes:
>I've written a program in C that converts Epson MX-80 control codes to the
>equivalent PostScript necessary for the Apple LaserWriter to emulate an
>Epson MX-80. (Don't laugh --- you can't configure a lot of existing programs
>to produce PostScript.)
>
>Does anyone on the net have suggestions for companies that might be interested
>in buying such a program? Preferably, all rights to it --- I can't be
>bothered trying to advertise it and deal with customers.

I would say to talk with Andy Shore at Adobe, 1870 Embarcadero Suite 100
Palo Alto, CA 94303 (415) 852-0271. Their TranScript does such for
ditroff, C/A/T troff, and such already. It tends to make PostScript

nearly universally useful, which pleases me.

Dick

--
Dick Karpinski   Manager of Unix Services, UCSF Computer Center
UUCP: ...!ucbvax!ucsfcgl!cca.ucsf!dick   (415) 666-4529 (12-7)
BITNET: dick@ucsfcca   Compuserve: 70215,1277 Telemail: RKarpinski
USPS: U-76 UCSF, San Francisco, CA 94143

From -4131414860791622758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2ec688f65998a3e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-04 06:03:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!decvax!genrad!mit-eddie!think!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple IIe Mass Storage
Message-ID: <221@uwai.UUCP>
Date: Sun, 4-Aug-85 09:03:32 EDT
Article-I.D.: uwai.221
Posted: Sun Aug 4 09:03:32 1985
Date-Received: Mon, 5-Aug-85 17:50:37 EDT
References: <429@spar.UUCP> <120@rtp47.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 27

> In article <429@spar.UUCP> lej@spar.UUCP (Luis Jenkins) writes:
>
> >What is the {best, easiest, cheapest} way of upgrading the disk
> >storage on a IIe to over a Megabyte?
> >
> > a- Any other 5 1/4" drives for the IIe, preferably with
> >   close to 0.5M storage/drive?
>
>   How about RANA Elite III drives? While they are a little expensive,
>   they hold ~800K (if memory serves).

I would not recommend the RANA as Infoworld reported that RANA has gone out of business. It is also rumored that Apple will be introducing a 800K 3 1/2" drive for the][in January.

> > c- A 5MB or 10MB Hard Disk?
>
>   I've been seriously looking at the Sider 10MB hard drive. I

I've heard mostly good things about the Sider. One thing you should note is that it might not work for CP/M if you have a 64K CP/M card. You might need a special driver which they probably haven't written yet. Anyone else have information on which CP/M cards the Sider will work on?--

David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 4184064562043952608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2ec688f65998a3e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-04 06:07:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!decvax!genrad!mit-eddie!think!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Accessing the Applied Engineering's Ramworks card?
Message-ID: <222@uwai.UUCP>
Date: Sun, 4-Aug-85 09:07:47 EDT
Article-I.D.: uwai.222
Posted: Sun Aug 4 09:07:47 1985
Date-Received: Mon, 5-Aug-85 17:51:04 EDT
References: <429@spar.UUCP> <120@rtp47.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 10

Does anyone know how the extra memory on the AE Ramworks card is
accessed? It is rumored that Apple's yet-to-be-announced 1 megabyte
ram card for the //e will follow this method.
--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 2740452702198590476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1a22ee2a40fd57ea,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,1a22ee2a40fd57ea,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,1a22ee2a40fd57ea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-04 08:23:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!ihnp1!ihnp4!mgnetp!we53!

busch!wucs!wuibc!ed
From: ed@wuibc.UUCP (Ed Macke)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: need info on Apple Modem 1200
Message-ID: <122@wuibc.UUCP>
Date: Sun, 4-Aug-85 11:23:44 EDT
Article-I.D.: wuibc.122
Posted: Sun Aug 4 11:23:44 1985
Date-Received: Tue, 6-Aug-85 09:38:00 EDT
Distribution: na
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 16
Xref: watmath net.micro:11325 net.micro.mac:2280 net.micro.apple:2067

[]

I need to buy a modem and found that I can get a good deal on
an Apple Modem 1200. However, I know nothing about this device.
I'd appreciate any information concerning technical specs for this
modem, as well as answers to:

1. What degree of Hayes compatibility does it have?
2. How reliable is it?

Thanks in advance!

Ed Macke   UUCP: ihnp4!wucs!wuibc!ed
Computer Systems Lab   CSNET: wucs!wuibc!ed@seismo.ARPA%csnet-relay
Washington University   ARPANET: wucs!wuibc!ed@seismo.ARPA
724 S. Euclid   St. Louis, MO 63110   (314)362-3120

From 5469727486653506513
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2ec688f65998a3e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-04 11:17:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!inuxc!pur-ee!CS-Mordred!
Pucc-H:ags
From: ags@pucc-h (Dave Seaman)
Newsgroups: net.micro.apple
Subject: Re: Apple IIe Mass Storage
Message-ID: <2169@pucc-h>
Date: Sun, 4-Aug-85 14:17:37 EDT
Article-I.D.: pucc-h.2169
Posted: Sun Aug 4 14:17:37 1985
Date-Received: Tue, 6-Aug-85 09:08:39 EDT
References: <429@spar.UUCP> <120@rtp47.UUCP>
Reply-To: ags@pucc-h.UUCP (Dave Seaman)
Distribution: na
Organization: Purdue University Computing Center

Lines: 16
Summary:

In article <120@rtp47.UUCP> owen@dgux.fk.UUCP (Karl M. Owen) writes:
     (In response to a query:)
>>Can you recommend:
>>
>>   a- Any other 5 1/4" drives for the IIe, preferably with
>>   close to 0.5M storage/drive?
>
>   How about RANA Elite III drives? While they are a little expensive,
>   they hold ~800K (if memory serves).

Before investing in Rana drives you should be aware that Rana has gone out
of business. Their drives are still available, probably at good prices,
and they ARE well made, but don't expect any support. Elite III capacity
is about 650K. I have one I bought over a year ago and it works fine.
--
Dave Seaman   ..!pur-ee!pucc-h:ags

From -5963825222682260072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0115db81d87ea22,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,e0115db81d87ea22,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-08-04 12:54:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site well.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!qantel!hplabs!well!kerista
From: kerista@well.UUCP (KERISTA)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Want to read Apple II disk on IBM PC
Message-ID: <125@well.UUCP>
Date: Sun, 4-Aug-85 15:54:52 EDT
Article-I.D.: well.125
Posted: Sun Aug 4 15:54:52 1985
Date-Received: Tue, 6-Aug-85 11:26:53 EDT
Organization: Whole Earth 'Lectronic Link, Sausalito, CA
Lines: 4
Xref: watmath net.micro.pc:4846 net.micro.apple:2069

I am looking for software which will allow me to read text files saved to
disk on my Apple II plus on an IBM PC. I would appreciate anyone knowing the
source of such software to respond by Email, call David Zinn at
(415) 753-1314, or write 543 Frederick Street, San Francisco, CA 94117

From -4932344582773854996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,199efd459a2c29e5,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-08-05 14:32:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!charm!kalucki
From: kalucki@charm.UUCP (John Kalucki)
Newsgroups: net.micro.apple
Subject: AE emulation help
Message-ID: <717@charm.UUCP>
Date: Mon, 5-Aug-85 17:32:27 EDT
Article-I.D.: charm.717
Posted: Mon Aug 5 17:32:27 1985
Date-Received: Tue, 6-Aug-85 10:41:40 EDT
Organization: Physics Research @ AT&T Bell Labs Murray Hill NJ
Lines: 10

I am having some problems with AE emulating various terminals. I can get
Ascii Express to use macros (dial and soforth), and I turn the emulation
'on', but the stupid progam still doesn't emulate that terminal. Any ideas
on how to FORCE AE into emulating a certain terminal, or better yet,
how to get AE to emulate a terminal without using those pesky macros?
I am getting desperate. I can't use ed from home forever!

                  John Kalucki
                ihnp4!charm!kalucki
          Thanx in advance.

From 8224452749189171162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,c1b9f61d188650ec,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 123760,c1b9f61d188650ec,start
X-Google-Attributes: gid123760,public
X-Google-Thread: 1622d3,c1b9f61d188650ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-06 12:58:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!think!mit-eddie!cht
From: cht@mit-eddie.UUCP (Chester Liu)
Newsgroups: net.games,net.games.video,net.micro.apple
Subject: Track and Field
Message-ID: <4881@mit-eddie.UUCP>
Date: Tue, 6-Aug-85 15:58:27 EDT
Article-I.D.: mit-eddi.4881
Posted: Tue Aug 6 15:58:27 1985
Date-Received: Fri, 9-Aug-85 02:20:25 EDT
Organization: MIT, Cambridge, MA
Lines: 13
Xref: linus net.games:1609 net.games.video:456 net.micro.apple:1759

))))))))))>>>>>>>>>>><<<<<<<<<<((((((((((

Hello,

    Does anyone have the instructions to Track and Field for the Apple?
(maybe another computer's instructions will work too).

  Thanks,
  Chester

mit-eddie!cht

p.s. Either E-mail or posting is fine.

From -5191325503100009632
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,199efd459a2c29e5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-07 09:18:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site lanl.ARPA
Path: utzoo!linus!philabs!cmcl2!lanl!jhk
From: jhk@lanl.ARPA
Newsgroups: net.micro.apple
Subject: Re: AE emulation help
Message-ID: <29342@lanl.ARPA>
Date: Wed, 7-Aug-85 12:18:34 EDT
Article-I.D.: lanl.29342
Posted: Wed Aug 7 12:18:34 1985
Date-Received: Sat, 10-Aug-85 23:15:12 EDT
References: <717@charm.UUCP>
Organization: Los Alamos National Laboratory
Lines: 25

> I am having some problems with AE emulating various terminals. I can get
> Ascii Express to use macros (dial and soforth), and I turn the emulation
> 'on', but the stupid progam still doesn't emulate that terminal. Any ideas
> on how to FORCE AE into emulating a certain terminal, or better yet,
> how to get AE to emulate a terminal without using those pesky macros?
> I am getting desperate. I can't use ed from home forever!
>
>   John Kalucki
>   ihnp4!charm!kalucki
>   Thanx in advance.

In the ASCII express program menu select option U then option S to set
 terminal type -input mode- Datamedia
          -output mode- vt52
I believe the settings are 5 and 6.

After exiting from the terminal setup mode you can write the macro
out to disk (see menu). You can also modify your macro.lib to include
the vt52 macro and select it from the macro list (Select A Z / ?).

When you sign-on to UNIX type the following:

```
setenv TERM vt52
```

This should allow you to emulate a vt52

From -7671047059590743410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2a2df1a6b4081146
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-08 12:23:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro.apple
Subject: Apple Disassembler (170 lines)
Message-ID: <706@umd5.UUCP>
Date: Thu, 8-Aug-85 15:23:17 EDT
Article-I.D.: umd5.706
Posted: Thu Aug 8 15:23:17 1985
Date-Received: Sun, 11-Aug-85 07:24:49 EDT
References: <2233@utcsstat.UUCP> <688@umd5.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Organization: U of Md, CSC, College Park, Md
Lines: 165
Summary: Basic program and instructions

Sorry about the delay, took a few days to locate a good Kermit to get it transfered up. BTW I used the SERDAC version of the MACC implementation.

Run the program, give it the start and end addresses (IN HEX!!!) of the range you want to disassemble, and a file name to which it will write a data file containing the disassembled code. It uses a short patch at $300, so it will not disassemble code at $300 without modification. The patch is position-independant, so you could relocate it to $8000 or something if you need to disassemble code at $300.

As stated before, I used it to freak code from DOS, so the address problems never came up.

This could probably be done much simpler by planting a CSWL hook that just saves and restores X and Y, but I didn't think about that until after I had written the program.

I apologize to C and every other systems implementation language I have ever cursed. Systems programming in Applesoft Basic is really like pulling teeth!

```
1  REM ARKABLE PROGRAM
```

```
2  REM TO DISASSEMBLE
3  REM PROGRAMS FROM CORE
4  REM TO A TEXT FILE!
5  REM YOU GIVE IT START
6  REM AND END ADDRESSES
7  REM AND THE NAME OF THE
8  REM FILE IT PUTS IT IN.
9  REM
100  REM
101  REM POKE ASSEMBLY INTO
102  REM LOW-CORE ($300)
103  REM
110  GOSUB 7000
200  REM
201  REM GET START ADDRESS
202  REM
210  INPUT "FROM: ";H$
220  GOSUB 6000
230  IF D >  = 0 GOTO 260
240  PRINT "OOPS!"
250  GOTO 210
260  LET F = D
270  LET B1 =  INT (F / 256)
280  LET B2 = F - 256 * B1
290  POKE 58,B2: POKE 59,B1
300  REM
301  REM GET END ADDRESS
302  REM
310  INPUT " TO : ";H$
320  GOSUB 6000
330  IF D >  = 0 GOTO 360
340  PRINT "OOPS!"
350  GOTO 310
360  LET T = D
370  IF T >  = F GOTO 400
380  PRINT "WILL NEVER GET THERE!"
390  GOTO 310
400  REM
401  REM GET FILENAME
402  REM IF NONE THEN
403  REM OUTPUT TO SCREEN
404  REM
410  INPUT "FILE: ";F$
420  IF  LEN (F$) = 0 GOTO 500
430  ONERR  GOTO 450
440  PRINT  CHR$ (4);"DELETE ";F$
450  POKE 216,0
470  PRINT  CHR$ (4);"OPEN ";F$
480  PRINT  CHR$ (4);"WRITE ";F$
500  REM
501  REM DO THE DISASSEMBLY.
502  REM
510  GOSUB 8000
```

```
520  FOR I = 512 TO 511 +  PEEK (6)
530  PRINT  CHR$ ( PEEK (I));
540  NEXT I
550  LET F = 256 *  PEEK (59) +  PEEK (58)
560  IF F <  = T GOTO 510
600  REM
601  REM IF OUTPUT TO FILE
602  REM THEN CLOSE FILE
603  REM
610  PRINT  CHR$ (13)
620  IF  LEN (F$) = 0 GOTO 9999
630  PRINT  CHR$ (4);"CLOSE ";F$
640  GOTO 9999
6000  REM
6001  REM HEX TO DEC CONVERT.
6002  REM
6010  LET D = 0
6020  FOR I = 1 TO  LEN (H$)
6030  LET H =  ASC ( MID$ (H$,I,1)) - 48
6040  IF H >  = 0 AND H <  = 9 GOTO 6070
6050  LET H = H - 7
6060  IF H < 10 OR H > 15 GOTO 6200
6070  LET D = 16 * D + H
6080  NEXT I
6090  RETURN
6200  REM
6201  REM HEX NUMBER ERROR.
6202  REM
6210  LET D =  - 1
6220  RETURN
7000  REM
7001  REM POKE ASSEMBLY ROUTINE
7002  REM USED BY BELOW.
7003  REM
7010  FOR I = 768 TO 785
7020  READ B
7030  POKE I,B
7040  NEXT I
7050  RETURN
7100  REM
7101  REM LISTING OF ASSEMBLY
7102  REM ROUTINE USED TO CALL
7103  REM MONITOR DISASSEMBLER.
7104  REM
7110  REM       ORG $300
7111  REM PTR   EQU $6
7112  REM YSV   EQU $7
7113  REM BUF   EQU $200
7114  REM LIST2 EQU $FE63
7115  REM *
7116  REM * CALL DISASSEMBLER.
7117  REM *
7118  REM DOIT  LDA #1
```

```
7119  REM       JSR LIST2
7120  REM       RTS
7121  REM *
7122  REM * INTERCEPT ROUTINE.
7123  REM *
7124  REM ZAP   STY YSV
7125  REM       LDY PTR
7126  REM       STA BUF,Y
7127  REM       LDY YSV
7128  REM       INC PTR
7129  REM       RTS
7200  REM
7201  REM THIS IS THE CODE
7202  REM FOR ABOVE THAT
7203  REM WE POKE INTO CORE.
7204  REM
7220  DATA 169,001,032,099
7230  DATA 254,096,132,007
7240  DATA 164,006,153,000
7250  DATA 002,164,007,230
7260  DATA 006,096
8000  REM
8001  REM DISASSEMBLE PROGRAM
8002  REM FROM MEMORY.
8003  REM
8030  LET S1 =  PEEK (54)
8040  LET S2 =  PEEK (55)
8050  POKE 54,6: POKE 55,3
8060  POKE 6,0
8070  CALL 768
8080  POKE 54,S1: POKE 55,S2
8090  RETURN
9999  END
--
Ben Cranston  ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben  zben@umd2.ARPA


From -6906194126006331763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0115db81d87ea22
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,e0115db81d87ea22
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-08-09 06:54:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Want to read Apple II disk on IBM PC
Message-ID: <576@mmintl.UUCP>
Date: Fri, 9-Aug-85 09:54:53 EDT
Article-I.D.: mmintl.576
```

Posted: Fri Aug 9 09:54:53 1985
Date-Received: Mon, 12-Aug-85 06:27:07 EDT
References: <125@well.UUCP>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 20
Xref: linus net.micro.pc:4632 net.micro.apple:1765
Summary:

*
     Software to read Apple disks on IBM PCs does not exist, since Apple does not use the index hole (I agree that this is a real drag). Special hardware is therefore required. There is a board by Quadram which lets you run Apple software in the PC and I think lets you read Apple disks on the PC. I think the board is the Quadlink. Also, there is a board called Apple Turnover by Vertex I believe, which lets you read Apple disks on the PC. These are the only 2 I know of. If any software alone does exist, I would sure like to know about it also, since I have a Basis 108 (Apple compat) at home, and an ATT 6300 at work.

     ****
     *   Jeff Miller   *
     *   Multimate International Corp.   *
     *   52 Oakland Avenue   *
     *   East Hartford, CT 06108-9911   *
     * UUCP: *
     * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
     ****

From -4315569266784621770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,199efd459a2c29e5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-09 07:12:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!jeffm
From: jeffm@mmintl.UUCP (Jeffrey Miller)
Newsgroups: net.micro.apple
Subject: Re: AE emulation help
Message-ID: <577@mmintl.UUCP>
Date: Fri, 9-Aug-85 10:12:23 EDT
Article-I.D.: mmintl.577
Posted: Fri Aug 9 10:12:23 1985
Date-Received: Mon, 12-Aug-85 06:27:26 EDT
References: <717@charm.UUCP> <29342@lanl.ARPA>
Reply-To: jeffm@mmintl.UUCP (Jeffrey Miller)
Organization: Multimate International, E. Hartford, CT
Lines: 26
Summary:

*
     Regarding setting the environment of the unix host while AE is emulating a vt52, you may have to do more than setenv TERM vt52. This sets the term but when you printenv, the termcap is still the .login device values. To change the termcap envir. values if you are running csh, do a

     set noglob; eval `tset -sQm :vt52 `; unset noglob

Notice the backward apostrophes. This should change the termcap values. I just went through this myself, except in cp/m using modem7. Unfortunately, the Apple end still doesn't work properly even though the control characters are correct. For instance, to clear the screen an ESC * sequence is used in Apple cp/m (at least for the microsoft version). When I do a more something, the asterisk gets printed on the screen instead of being a control char. It's like the ESC is getting stripped or something. Anyone have any ideas. I have ascii express and I'll try it but I would prefer to do it all under cp/m.

     ****
     *   Jeff Miller   *
     *   Multimate International Corp.   *
     *   52 Oakland Avenue   *
     *   East Hartford, CT 06108-9911   *
     * UUCP: *
     * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
     ****

From 7052232886382741028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a83a423d6e776c65,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-13 11:18:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!emil
From: emil@rochester.UUCP
Newsgroups: net.micro.apple
Subject: Apple II+ Hardware/Software Sale
Message-ID: <11021@rochester.UUCP>
Date: Tue, 13-Aug-85 14:18:53 EDT
Article-I.D.: rocheste.11021
Posted: Tue Aug 13 14:18:53 1985
Date-Received: Thu, 15-Aug-85 00:39:01 EDT
Sender: emil@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 14

From: Emil Rainero <emil>

Please read na.forsale for a full description. Thats what its there for.

Emil Rainero
UUCP: (..!{allegra, decvax, seismo}!rochester!emil)
ARPA: emil@rochester.arpa
USmail: Emil Rainero, Dept. of Comp. Sci., U. of Rochester, NY 14627.
Phone: Office: (716) 275-5365   Home: (716) 424-5016

From -6430485647339070858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,edcc421fda0df291,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-13 21:25:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsri.UUCP
Path: utzoo!utcsri!traill
From: traill@utcsri.UUCP (J. Traill)
Newsgroups: net.micro.apple
Subject: Wizard printer card help !
Message-ID: <1327@utcsri.UUCP>
Date: Wed, 14-Aug-85 00:25:47 EDT
Article-I.D.: utcsri.1327
Posted: Wed Aug 14 00:25:47 1985
Date-Received: Wed, 14-Aug-85 01:18:10 EDT
Reply-To: traill@utcsri.UUCP (J. Traill)
Organization: CSRI, University of Toronto
Lines: 16

I am working on contract for a gentleman who has left me with an Apple //e,
a Gemini 10x, the two being connected via a Wizard printer card. Alas, he
left no manual for the Wizard card, and I am left to work by trial and error.
What I am having problems with is getting the card to receive and send 8-bit
data. I have been told that it is "intelligent" enough to do this, but am
unaware of the control sequence to trigger this process. Can anyone pass it
along ?

Thanks - Peter Rukavina (@traill)
--

The ATHENIANS Project - Victoria College, University of Toronto
NetMail: {allegra,cornell,decvax,ihnp4,linus,utzoo}!utcsri!traill
CanMail: 85 Charles Street West, Toronto, Ontario

From 7761597177225236415
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,4b54a3118ed2cd24,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-14 08:34:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site vice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!tekcrl!vice!mike
From: mike@vice.UUCP (Mike Mueller)
Newsgroups: net.micro.apple
Subject: SofTerm II question
Message-ID: <150@vice.UUCP>
Date: Wed, 14-Aug-85 11:34:49 EDT
Article-I.D.: vice.150
Posted: Wed Aug 14 11:34:49 1985
Date-Received: Sun, 18-Aug-85 04:47:05 EDT
Organization: Tektronix, Beaverton OR
Lines: 14

I think there was some discussion on the net recently about a new
release of Softerm II. Could someone give me specific revision numbers?
I'm thinking about buying this hw/sw package from a discount house that
sells it for $125. But I'm a little concerned because Softronix still
sells it for $195. What aren't I getting?
--
         Mike Mueller

uucp: {decvax,harpo,ihnss,pur-ee,ucbvax,unc,zehntel}!teklabs!vice!mike
ARPA: vice!mike.tek@Rand-Relay
CSnet: vice!mike@tek
US Mail: Mike Mueller, Tektronix, Inc.
         Box 500 MS 59-323, Beaverton OR 97077
Phone: (503)627-3187

From -629995319984535064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,216350164bfe3809,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-14 18:08:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ncsu!atb
From: atb@ncsu.UUCP (Joe Brown)
Newsgroups: net.micro.apple
Subject: kermit for apple II+
Message-ID: <2915@ncsu.UUCP>
Date: Wed, 14-Aug-85 21:08:26 EDT
Article-I.D.: ncsu.2915
Posted: Wed Aug 14 21:08:26 1985
Date-Received: Sat, 17-Aug-85 16:34:03 EDT
Organization: N.C. State University, Raleigh
Lines: 9

Does anyone know of a kermit program for the apple II+.
If so could they please post it in net.sources.apple.
If one doesn't exist please post that info also.

thanks much

andy brown (atb@ncsu) tsjtyotk

From -2719819804357140038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f281ab41ccbe942,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-15 10:42:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site ucbvax.ARPA
Path: utzoo!linus!philabs!prls!amdimage!amdcad!decwrl!ucbvax!molbio
From: molbio@ucbvax.ARPA
Newsgroups: net.micro.apple
Subject: kermit-65 on apple IIe
Message-ID: <9919@ucbvax.ARPA>
Date: Thu, 15-Aug-85 13:42:32 EDT
Article-I.D.: ucbvax.9919
Posted: Thu Aug 15 13:42:32 1985
Date-Received: Mon, 19-Aug-85 21:08:32 EDT
Sender: molbio@ucbvax.ARPA
Organization: University of California at Berkeley
Lines: 13

From: molbio (Mike Cherry)

I'm having trouble using kermit-65 on my apple IIe. It seems that kermit
in vt52 mode (or is it the apple?) is treating a <CNTL>-M as a carriage
return, as well as, a new line. I can use vi to edit a file with lines
longer than 40 characters because a blank line is placed between the 40
and 41 characters.

Anybody seen this before? Any suggestions?

Mike Cherry
ucbvax!molbio!mike

From 2387786326345687213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ea4421c4da7c088,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-16 06:59:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP

Path: utzoo!linus!philabs!prls!amdimage!amdcad!amd!vecpyr!lll-crg!gymble!umcp-cs!
seismo!rochester!emil
From: emil@rochester.UUCP
Newsgroups: net.micro.apple
Subject: Apple II+ Hardware/Software/Magazines for sale
Message-ID: <11086@rochester.UUCP>
Date: Fri, 16-Aug-85 09:59:21 EDT
Article-I.D.: rocheste.11086
Posted: Fri Aug 16 09:59:21 1985
Date-Received: Tue, 20-Aug-85 02:16:53 EDT
Sender: emil@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 72

From: Emil Rainero <emil>

I just got a mac and it doesn't look like I'll ever return to my apple II+.

Would you like to buy any of my software/hardware for the II+ cheap?
Please note that these are the original disks.
Incomplete list: (complete original documentation)

Computer Bismark	($20)
Pinball	($10)
Germany 1985	($25)
Thief	($15)
Snack Attack	($15)
Warp Factor	($25)
Sargon II	($20)
Invasion Orion	($20)
Stellar Trek	($10)
Epoch 3-D game	($10)
A2-FS1 Flight Simulator	($20)
Crossfire	($15)
Operation Apocalypse	($15)
Computer Conflict	($20)
Computer Ambush	($30)

Languages: (almost complete documentation)

GrafForth	($50)
Big Mac macro assembler	($10)
Dos Tool Kit	($10)
Lisa Version 2.5 (lost the manual)	($25)
Symbol Symon	($10)

Lisp (I forget which one. mail me if interested)

Magazines: (best offer per magazine)
     please note that some issues may be missing. Mail me your request
     and I'll let you know exactly what you will be getting.

Creative Computing (1980-1983 July)
Micro (1981-1983)
Omni (5/1981-1984)
Compute (1091-1983 June)
Discover (1981-1984)
Call A.P.P.L.E. (1978-1984)
Nibble (Vol 1-3)
Byte (Sept 1978-1984)
Beneath Apple DOS ($5)
Whats where in the apple($5)

Hardware: (most is four years old) (I'll take the best offer)
How about a 16k card ($50)
300 baud applecat modem ($50) (com-ware II software)
Two Lobo Floppy Disk Drives ($200 each)?
Apple II+ ($400)?

The prices listed are what I consider mininal. If I get more than one request for a package, I'll take the higher offer. I'll wait 10 days and then mail replies to everyone that responded. I don't want to go through all the shipping headaches, so please let me know how you would like things shipped (you pay). For now mail me your requests and questions.
No orders less than twenty dollars please.

Emil Rainero
UUCP: (..!{allegra, decvax, seismo}!rochester!emil)
ARPA: emil@rochester.arpa
USmail: Emil Rainero, Dept. of Comp. Sci., U. of Rochester, NY 14627.
Phone: Office: (716) 275-5365 Home: (716) 424-5016

From -376994420851757272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10cb58,f84be32b959c2fea,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 15f443,f84be32b959c2fea,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,f84be32b959c2fea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-16 07:09:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site twitch.UUCP
Path: utzoo!decvax!harpo!whuxlm!whuxl!houxm!ihnp4!twitch!tjt
From: tjt@twitch.UUCP (T.J.Thompson)
Newsgroups: na.forsale,net.wanted,net.micro.apple
Subject: Apple II+ For Sale
Message-ID: <221@twitch.UUCP>
Date: Fri, 16-Aug-85 10:09:32 EDT
Article-I.D.: twitch.221

Posted: Fri Aug 16 10:09:32 1985
Date-Received: Mon, 19-Aug-85 14:48:25 EDT
Distribution: na
Organization: AT&T Bell Labs, Holmdel
Lines: 18

For Sale:
Hardware: Apple II+ computer (64K), shift-key modified (switchable)
          Disk controller and 2 drives (1 Apple drive and 1 Rana drive)
          Apple Super Serial card
          PKASO printer interface with ROM drivers for screen dump and more
          Hayes Joystick

Software: Aztec C compiler by Manx Software, FULL K&R (including stdio
            library) except bitfields, compiles to 6502 machine code,
            has a mini-shell, includes source for a vi-like editor,
            complete documentation, sells new for $200
          Choplifter, Pinball Construction Set, Micro-chess, other misc.

You can have it all for $550.

Tim Thompson	ihnp4!twitch!tjt	AT&T Bell Labs
4 Lori Lane	(201) 949-4339	Holmdel, NJ
Howell, NJ	(201) 363-0285	Room 3C-234

From 2021361513308828700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b54a3118ed2cd24
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-16 20:41:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2a.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hou2a!tbm
From: tbm@hou2a.UUCP (T.MERRICK)
Newsgroups: net.micro.apple
Subject: Re: SofTerm II question
Message-ID: <589@hou2a.UUCP>
Date: Fri, 16-Aug-85 23:41:12 EDT
Article-I.D.: hou2a.589
Posted: Fri Aug 16 23:41:12 1985
Date-Received: Tue, 20-Aug-85 05:23:02 EDT
References: <150@vice.UUCP>
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 20

HI,
     Just want to report that the SOFTERM package has a problem
with an enhanced //e (mine). It uses the *wrong* character set for
most of its menue headers so you get the form and icon character
set.

     Hope their new version ($50 if you turn in the original) is

ready for the enhanced //e and ProDos on a hard disk.

    It is a complete terminal program with too many options to remember so you got to have the menus.

    I notice one other little item. When the cursor is on an UC character it turns the character into something else instead of just reverse video.

    I have sent for the new brochure and will report on what it says and any answer I get when I call to complain about this versions problems.

Tom Merrick ATT BTL N. Andover MA. 617-681-6436

From -2033160271947030792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b54a3118ed2cd24
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-18 17:05:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!ihnp4!ihlpm!lyourk
From: lyourk@ihlpm.UUCP (LORANY)
Newsgroups: net.micro.apple
Subject: Re: SofTerm II question
Message-ID: <433@ihlpm.UUCP>
Date: Sun, 18-Aug-85 20:05:31 EDT
Article-I.D.: ihlpm.433
Posted: Sun Aug 18 20:05:31 1985
Date-Received: Tue, 20-Aug-85 21:56:33 EDT
References: <150@vice.UUCP>
Organization: AT&T Bell Laboratories
Lines: 17

> I think there was some discussion on the net recently about a new
> release of Softerm II. Could someone give me specific revision numbers?
> I'm thinking about buying this hw/sw package from a discount house that
> sells it for $125. But I'm a little concerned because Softronix still
> sells it for $195. What aren't I getting?
> --
>   Mike Mueller
>
*** REPLACE THIS LINE WITH YOUR MESSAGE ***
Shafted!! There is no reason that I know of to pay full list price for any product unless you feel that you need to subsidize the company that makes it.

As for Softerm, they charge about $100.00 to retailers so their price is a bit out of line. If you need, want, and/or can use the latest version, you have to have a 128k Apple //e or //c and ask for the //c version.

From -6259500081572386181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c0653b5703bee26,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-19 10:13:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mgwess.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
whuxlm!whuxl!houxm!ihnp4!mgnetp!mgwess!grs
From: grs@mgwess.UUCP (Gary Solfisburg)
Newsgroups: net.micro.apple
Subject: Apple Term?
Message-ID: <14944@mgwess.UUCP>
Date: Mon, 19-Aug-85 13:13:05 EDT
Article-I.D.: mgwess.14944
Posted: Mon Aug 19 13:13:05 1985
Date-Received: Fri, 23-Aug-85 06:54:07 EDT
Organization: AT&T Information Systems - Montgomery Illinois
Lines: 12

I have an Apple II and I am having trouble finding a good terminal
program that will work in conjunction with UN*X. Does any one know of
a terminal program that will allow the use of the <curses.h> library?

Please reply by Mail
Thanks in advance...

Gary Solfisburg
AT&T IS CGBS
Montgomery Works
..!ihnp4!mgnetp!mgwess!grs

From -6420095664803478124
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,e0115db81d87ea22
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,e0115db81d87ea22
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-19 17:05:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/13/84; site intelca.UUCP
Path: utzoo!linus!philabs!prls!amdimage!amdcad!decwrl!sun!idi!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Re: Want to read Apple II disk on IBM PC
Message-ID: <41@intelca.UUCP>
Date: Mon, 19-Aug-85 20:05:19 EDT
Article-I.D.: intelca.41
Posted: Mon Aug 19 20:05:19 1985
Date-Received: Fri, 23-Aug-85 20:29:02 EDT
References: <125@well.UUCP> <576@mmintl.UUCP>

Organization: Intel, Santa Clara, Ca.
Lines: 37
Xref: linus net.micro.pc:4755 net.micro.apple:1780

>
> *
>   Software to read Apple disks on IBM PCs does not exist, since Apple
> does not use the index hole (I agree that this is a real drag). Special
> hardware is therefore required. There is a board by Quadram which lets you
> ....
>   ***
>   *   Jeff Miller   *
>   *   Multimate International Corp.   *
>   * UUCP: *
>   * ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!jeffm *
>   ***

Yes, the Apple doesn't use the index hole (that's why you can flip
floppies without cutting out a new index hole). Still this is a
problem one could work around.

But the differences go much deeper than that. Apple uses special
hardware (the infamous Woz machine) and software to read/write the
disk (See "Beneath Apple DOS" for a great explanation). IBM-PC on
the other hand uses a "standard" disk controller chip (NEC uPD 765)
which has the formats built-in (no whizzy software).

Although nothing matches at any level (directories, track/sector
markings, etc.), the bottom line is that these could all be worked
around except for one especially subtle gremlin:

The way in which the data and clock is mixed onto the disk is completely
different. The PC uses standard MFM, the Apple uses no clocks but
restricts the data to certain patterns.

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd!intelca!glen"@BERKELEY
\-/   --- stay mellow

From -1620748640967211042
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b54a3118ed2cd24
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-20 05:50:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihlpm!lyourk
From: lyourk@ihlpm.UUCP (LORANY)
Newsgroups: net.micro.apple

Subject: Re: SofTerm II question
Message-ID: <437@ihlpm.UUCP>
Date: Tue, 20-Aug-85 08:50:41 EDT
Article-I.D.: ihlpm.437
Posted: Tue Aug 20 08:50:41 1985
Date-Received: Sat, 24-Aug-85 00:46:35 EDT
References: <150@vice.UUCP> <589@hou2a.UUCP>
Organization: AT&T Bell Laboratories
Lines: 23

> HI,
>   Just want to report that the SOFTERM package has a problem
> with an enhanced //e (mine). It uses the *wrong* character set for
> most of its menue headers so you get the form and icon character
> set.
>
>   Hope their new version ($50 if you turn in the original) is
> ready for the enhanced //e and ProDos on a hard disk.
          .   .   .
          .   .   .
          .   .   .
> Tom Merrick ATT BTL N. Andover MA. 617-681-6436

There is a new video driver that works with the enhanced //e
that doesn't use any of the mouse text characters on older
versions of Softerm. Call the online update service and download
it.

As far as the ProDos & hard disk version don't hold your breath.
It probably will be released after a couple of months (I am
hopping it will be ready by Xmas).

Loran Yourk   AT&T Technologies   Lisle, IL.   312-510-6885

From -7797775713048599848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6e89f56d225bb43f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-20 07:54:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/3/85; site ukma.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!slg
From: slg@ukma.UUCP (Sean Gilley)
Newsgroups: net.micro.apple
Subject: Applewriter Printer Configuration
Message-ID: <2070@ukma.UUCP>
Date: Tue, 20-Aug-85 10:54:56 EDT
Article-I.D.: ukma.2070
Posted: Tue Aug 20 10:54:56 1985
Date-Received: Sat, 24-Aug-85 03:40:20 EDT
Organization: U of Kentucky, Mathematical Sciences, Lexington KY
Lines: 24

I recently purchased a copy of Applewriter. This had been a store demonstrator copy, and somewhere along the line the manual was lost. Due to the help facilitys available I have figured out Most of how to use the program except for one very important thing -- I can't get it to work correctly with my C. Itoh 1550 printer.

Is there a way to configure the program for a certain printer? If so would someone out there please tell me what it is?

Thanks,

Sean.

--

Sean L. Gilley Phone: (606) 273-6021 or (606) 257-3092

uucp: {unmvax,research,boulder,decvax!ucbvax}!anlams!ukma!slg
|| ...cbosgd!ukma!ukma23!slg

arpa: "ukma!ukma23!slg"@ANL-MCS

From 7678352071195549606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ea4421c4da7c088
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-21 10:06:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site dadla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!teklds!dadla!jamesp
From: jamesp@dadla.UUCP (Jim Perkins)
Newsgroups: net.micro.apple
Subject: Wanted -- Apple][+ Motherboard
Message-ID: <364@dadla.UUCP>
Date: Wed, 21-Aug-85 13:06:50 EDT
Article-I.D.: dadla.364
Posted: Wed Aug 21 13:06:50 1985
Date-Received: Sat, 24-Aug-85 17:43:17 EDT
References: <11086@rochester.UUCP>
Reply-To: jamesp@dadla.UUCP (Jim Perkins)
Organization: Joe Zit's House of Creative Acne Treatment
Lines: 33
Keywords: board,][
Summary: Need Apple][+ motherboard

Hello,

Does anyone out there in net.micro.apple have an Apple][+ motherboard that they would be willing to sell to me? I have a kit-built Apple with TI sockets (* AGGGGHHHH! *), and I would like to try new sockets so my memory access will be consistent (one gets tired of having Flight Simulator ignore keys, freeze up, or Pac-man ghosts become even more ephemeral as Pac-man vanishes into the (void)...)

James T. Perkins -- dadla!jamesp, orstcs!jamesp

When someone says "I want a programming language in which I need only
say what I wish done," give him a lollipop.
--

James T. Perkins -- dadla!jamesp, orstcs!jamesp

E n t e r p r i s e s

When someone says "I want a programming language in which I need only
say what I wish done," give him a lollipop.

From -6010507863469283293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,232eadb6050819f4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-21 15:06:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eeg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!decwrl!Glacier!well!ptsfa!eeg!bcx
From: bcx@eeg.UUCP (Bryan Costales)
Newsgroups: net.micro.apple
Subject: Collaborators Sought For Berkeley Style Shell
Message-ID: <109@eeg.UUCP>
Date: Wed, 21-Aug-85 18:06:47 EDT
Article-I.D.: eeg.109
Posted: Wed Aug 21 18:06:47 1985
Date-Received: Sat, 24-Aug-85 18:08:21 EDT
Distribution: net
Organization: EEG Systems Laboratory, San Francisco
Lines: 271

The following is a solicitation for help to complete, and a proposal and outline for, a Berkeley style shell to run under Apple's ProDos operating system on the Apple II series computers. I am submitting it to net.micro.apple because a {net,mod}.projects does not yet exist.

Please respond by uucp or U.S. mail to:

Bryan Costales
212 Prentiss
San Francisco, Ca 94110

uucp: ...!ptsfa!eeg!bcx

Colaborators Sought

1. Background

When I first received the ProDos operating system, I marveled at how close it came to bringing the Apple into the world of Unix. It didn't take long, however, for me to discover its drawbacks. The following are observations, not flames.

- -- The shell that is supplied by Apple (BASIC.SYSTEM) is, like the former DOS 3.3, merely intended as an extension of Applesoft BASIC and not a true shell.

- -- The kernel (aka MLI) contains some wierd restrictions. File names MUST be upper case and may only contain a "." (shades of cp/m). Directory files may be read but not written to, except as raw blocks at the lowest MLI level.

- -- None of the "mode" bits are allocated for "permission to execute". None of the "reserved" bits are available to programmers.

So I waited. Eventually a few shells arrived that attempted to make ProDos a little more 'Programmer Friendly'. First came the Orca/m assembler. Better, but not a true, general purpose shell. (eg. Command line arguments resemble RSX). Then came the Anix 2.0 shell. Even better, but still short of the mark. (eg. redirection supported, but buggy on hard disks). Finally, I'm stil waiting for the Aztec C shell (Late August is their latest promise).

Despite these drawbacks, I still feel ProDos has the potential of making the Apple environment more Unix-like.

2. What I Have Done

Shortly after ProDos was released (I was working with pre-release documents), I began writing my own shell. Because there were no assemblers running under ProDos, I used Lisa 2.6, under DOS 3.3, to write it. The moving back and forth between the two systems killed me, and I abandoned the project.

I then purchased Orca/m ProDos Version and started anew. I quickly found that I couldn't addapt any of what I had done under Lisa 2.6 to Orca. I also discovered that Orca/m is about a 100 times slower than Lisa at assembling. So stopped again.

My latest shot began when I purchased Lisa 3.1. This assembler is a quantum leap above the old Lisa. Unfortunately the parsing rules and some syntax was changed in the revision and I decided to rethink the project and start over from scratch.

3. Why I Seek Help

I now have 2000 lines of code and am only 1/4 done. What with work and other commitments, it will be a year or so before my shell is completed. Since it was my intent to place the shell into public domain, I thought "why not see if there is anyone who would like to help?". Hence this note.

I appeal to you -- any 6502 assembly language hacks interested in joining me on this project. I am willing to, once again, start from scratch if need be. You suggest the assembler.

The Project

1. Introduction.

The name is tentatively "bsh" for "Berkeley-style Shell". Bsh is a system program (SYS) to replace BASIC.SYSTEM as the defacto shell under Apple ProDos. It is not an interactive shell, rather it is a sophisticated executer of programs.

2. Programs.

There are several types of programs that bsh can executed directly or indirectly:

BIN -- Executable binary or machine language programs. These are run in core and may overlay but not be co-resident.

CMD -- Relocatable, executable binary or machine

```
            language programs limited to one block (512
            bytes) in size. These are the individual
            commands (eg, rm, cp, du, etc.). They load
            into one of three shell buffers and must be
            re-executable without reloading.

      TXT   -- Shell scripts. Must begin with a # character.
            Environmental variables are manipulated using
            appropriate CMD's (eg. set, if, endif, etc.).

      BAS   -- Applesoft Basic programs are run by first
            loading the BASIC.SYSTEM shell, then running
            it with the file name as its argument.

      SYS   -- A shell soft exit is done. Enviornmental
            variables and history are saved. Then the
            system program overlays the shell.
```

3. The Command Line.

Programs are run and CMD's executed by typing their name followed by a space delimited list of arguments. For programs that are able to use them, those arguments are placed into and array, and the variables argc and argv passed. Certain characters have special meaning in a command line, unless escaped by a backslash character.

```
   ;     -- Compounds commands, as:    ls ; echo done
   |     -- Creates pipes, as:         ls | wc -w
   >     -- Redirect stdout, as:       ls > junk
   >>    -- Redirect & append stdout:  cat letter >> mbox
   <     -- Redirect stdin, as:        wc < mbox
   <<    -- Set EOF string, as:        cat << @FUZZY@
   >&    -- Redirects stderr, as;      prog >& log
   >>&   -- Redirects & append stderr: prog >>& log.sum
```

Command lines are also subject to wildcard expansion.

```
    *c    -- Match zero or more up to c
    ?     -- Match a single character
 [range]  -- Match any in the Ascii range, as: [0-9]
[select]  -- Match any of list, as: [A,a]
 [both]   -- Match any of list or range, as: [0-9,A,a]
```

Commands are placed in a history buffer for later re-execution. The command line is subject to history substitution.

```
    !     -- Replace with current history number
    !nn   -- Re-execute command line number nn
    !text -- Match text in history and re-execute
    !$    -- Replace with last arg previous command
    !!    -- Re-execute previous command
```

Environmental variables can be placed into the command line. The form is:

```
      $name as: cp a.out $CMD/awk
```

and they are set using the "setenv" CMD as:

```
         set CMD= /profile/shell/cmd
```

There are a limited number of environmental variables. They are:

```
    HOME     -- Home directory
    CMD      -- Command directory
    SYS      -- System programs directory
    PATH     -- Execution search path
    i        -- Numeric int
    j        -- Numeric int
    x        -- Numeric float
    y        -- Numeric float
    PROMPT   -- Prompt string
    MAIL     -- Mail spool directory
    TMP      -- Temporary Directory
    1 thru 9 -- Shell script arguments (strings)
    DEV      -- Device driver directory
    TERM     -- Pathname of driver for terminal i/o
    ROOT     -- Volume under which all other volumes
                will be files.
```

The shell also provides some built-in aliases:

```
    /dev/...    ->   $DEV/...
    .           ->   current prefix
    ..          ->   previous prefix
    ~           ->   $HOME
    #nn         ->   $DEV/slot.nn
```

Command line arguments enclosed in full quotes are insulated from all substitutions, expansions and transformations, except for substitution of environmental variables and aliases.

Command line arguments enclosed in half quotes are insulated from all change.

Command line arguments enclosed in reverse-half-quotes cause the command so enclose to be executed and its output inserted at that place in the command line.

4. Memory Use.

The shell resides at the top of memory from $a000 to $beff. Page $be00 is the shell global variable variable page. All buffers are internal to the shell except the following which build down from $9fff: The three 1024 byte file buffers; The hash table derived

from $PATH; Shell script argv strings; Command line argv strings.

Zero page is only used while the shell is "active" (it is passive when programs are running). Those locations are bank-switched in and out of an internal buffer depending on the shell's status, thus freeing zero page for use by all programs.

The shell makes no use of extended memory. It assumes a 64k Apple II+ as its basic machine. On a IIe or //c, it can be configured to soft exit to /ram for improved efficiency.

5. Hardware.

The shell is hardware independant, but is virtually unusable without:

80 col hardware
upper/lower case keyboard (or enhancer)
hard disk (profile or sider)

6. Accounts and Users.

The shell can be configured differently for different users. This is done by using the getslot program (like getty). I connects to a slot of I/O and handles logins and passwords. The location of the passwd file is known to getslot, not to the shell. The getslot program loads the shell, configures it according to the passwd file, then soft enters the shell. A soft entered shell will exit by rerunning the program that started it.

This feature is intended to, for example, allow the user to log in to his computer from work and transfer files. Give friends, co-authors, and the like, accounts on his machine for exchanging data. The password file will enable getslot to spawn, for example, a uucico type program for network mail.

7. Patches to ProDos.

To achieve a friendlier environment, it will be necessary to make some small patches to the ProDos kernel. These should be made by a seperate "patchpro" program, so that various versions of the kernel can be properly handled.

File names: A patch to allow file names to contain upper and lower case letter, and all characters.

Mode Bits: A patch to allow the reserved bits to be accessed and used by users.

Unix is a Trademark of AT&T
RSX is a Trademeark of Digital Equipment Corp.
Apple, Apple II, II+, //c , and ProDos are Trademarks of Apple Computer Corp.

Orca/m is a Trademark of The Byte Works, Inc.

--

     Bryan Costales, EEG Systems Laboratory
     1855 Folsom St, San Francisco, Ca 94103 (415) 621-8343
     {ihnp4,dual,qantel}!ptsfa!eeg!bcx

From 7672530124425745660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,125357955c9c7dbf,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,125357955c9c7dbf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-22 10:17:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site rduxb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!rduxb!david1
From: david1@rduxb.UUCP (Rick Nelson)
Newsgroups: net.micro.atari,net.micro.apple
Subject: printer query
Message-ID: <646@rduxb.UUCP>
Date: Thu, 22-Aug-85 13:17:39 EDT
Article-I.D.: rduxb.646
Posted: Thu Aug 22 13:17:39 1985
Date-Received: Sat, 24-Aug-85 17:54:44 EDT
Organization: AT&T Bell Laboratories, Reading, PA
Lines: 9
Xref: watmath net.micro.atari:1053 net.micro.apple:2092

Has anyone had any experience with the GORILLA BANANA PRINTER? DAK has them
on sale for $89.90 (+ $69 for an Atari interface + $7 for a graphics driver
program on disk).This price seems too low to be trusted. Does the thing
work???

R. Nelson
rduxb!david1

From -8374650254536592561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23047826ce37f9ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-22 11:15:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcs!utcsstat!anthony
From: anthony@utcsstat.UUCP (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: Ascii Express and 80-columns

Message-ID: <2245@utcsstat.UUCP>
Date: Thu, 22-Aug-85 14:15:10 EDT
Article-I.D.: utcsstat.2245
Posted: Thu Aug 22 14:15:10 1985
Date-Received: Thu, 22-Aug-85 15:13:16 EDT
Organization: U. of Toronto, Canada
Lines: 12

I have a Microsoft 80-column card which is giving me some trouble when running Ascii Express. According the manual for the latter, ESC K (something K at least) allows one to enter a capital letter. However, mine stays in CAPS mode and I cannot get back to lower case mode. Is my problem with the 80-column card or configuration of AE?
Any suggestions/advice would be much appreciated.

--

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From -4700729238077042364
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d3ba80c81921fd3b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d3ba80c81921fd3b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-22 12:11:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihnss.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihnss!wiso
From: wiso@ihnss.UUCP (Jack Wisowaty)
Newsgroups: net.micro,net.micro.apple
Subject: two Apple //e for sale
Message-ID: <2588@ihnss.UUCP>
Date: Thu, 22-Aug-85 15:11:57 EDT
Article-I.D.: ihnss.2588
Posted: Thu Aug 22 15:11:57 1985
Date-Received: Sun, 25-Aug-85 04:01:42 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 42
Xref: watmath net.micro:11613 net.micro.apple:2094

****

Two complete Apple //e systems for sale.

SYSTEM 1)

Apple //e
Apple Monitor II
standard 80-column card

128K RAM-card
2 external Apple disk drives
Microtek parallel printer card
Daisy-wheel letter quality printer by Teletex
over a dozen manuals and books
various Apple utility disks
Aztec C programming language and documentation
Applewriter II software

SYSTEM 2)

Apple //e
BMC monochrome monitor
extended 80-column card (extra 64K)
2 external Apple disk drives
smart parallel printer card
Gemini 10X dot matrix printer with full graphic capabilities
Kensington System Saver (built-in surge protector and fan)
Apple numeric keypad
original manuals
various Apple utility disks
enhanced Applewriter II software
PFS file and PFS report database software
Monogram Dollars and Sense
various game and other software

Both are in excellent working condition. Either system through retail or mail-order outlets would cost over $2000. Make an offer.

Send electronic mail to ihnp4!ihexp!wiso.

****

From 539422342927391300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,125357955c9c7dbf
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-23 14:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.7.0.8 $; site uiucuxc
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uiucuxc!rcook
From: rcook@uiucuxc.Uiuc.ARPA
Newsgroups: net.micro.apple
Subject: Re: printer query
Message-ID: <103000002@uiucuxc>
Date: Fri, 23-Aug-85 17:17:00 EDT
Article-I.D.: uiucuxc.103000002
Posted: Fri Aug 23 17:17:00 1985
Date-Received: Sun, 25-Aug-85 01:22:07 EDT
References: <646@rduxb.UUCP>

Lines: 14
Nf-ID: #R:rduxb.UUCP:-64600:uiucuxc:103000002:000:488
Nf-From: uiucuxc.Uiuc.ARPA!rcook   Aug 23 16:17:00 1985

DAK has a VERY good reputation and I would suggest any of their products.
Remember, they have a 30 trial package on all their products. If you don't
like it (for any reason) just send it back for a full refund. I bought the
Olivetti Ink Jet printer (a $450 printer) for $199 and am very pleased.

      Rob Cook

UUCP: {ihnp4,pur-ee}!uiucdcs!uiucuxc!rcook

      'Life is just a cocktail party on the street'
              -Mick Jagger-

From 4837256842979149799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ea4421c4da7c088
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-25 00:51:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecn-aa.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!cord!pierce!bentley!ihnp1!ihnp4!
inuxc!pur-ee!ecn-pc!ecn-aa!morrism
From: morrism@ecn-aa.UUCP (Mitchell J Morrison)
Newsgroups: net.micro.apple
Subject: Re: Wanted -- Apple][+ Motherboard
Message-ID: <64@ecn-aa.UUCP>
Date: Sun, 25-Aug-85 03:51:56 EDT
Article-I.D.: ecn-aa.64
Posted: Sun Aug 25 03:51:56 1985
Date-Received: Mon, 26-Aug-85 01:07:35 EDT
References: <11086@rochester.UUCP> <364@dadla.UUCP>
Reply-To: morrism@ecn-aa.UUCP (Mitchell J Morrison)
Organization: Electrical Engineering Department , Purdue University
Lines: 34
Keywords: How about a new one for $200??

In article <364@dadla.UUCP> jamesp@dadla.UUCP (Jim Perkins) writes:
>
>Hello,
>
>Does anyone out there in net.micro.apple have an Apple][+ motherboard that
>they would be willing to sell to me? I have a kit-built Apple with TI
>sockets (* AGGGGHHHH! *), and I would like to try new sockets so my memory
>access will be consistent (one gets tired of having Flight Simulator ignore
>keys, freeze up, or Pac-man ghosts become even more ephemeral as Pac-man
>vanishes into the (void)...)

>
>
>
>James T. Perkins -- dadla!jamesp, orstcs!jamesp
>

     If you, or anyone is interested, you can buy a New Apple II+ motherboard for $200. 64K built in Z-80 card.
     Because it breaks a few copyright laws, I must insist that inquiries come through E-Mail or U.S. mail.
     Sorry, but that's the biz...

                    -morrism-

    Mitchell J. Morrison Hacker/Progrmmer/Consultant at Large

    UUCP: {decvax, ihnp4, seismo, ucbvax}!pur-ee!ecn-aa!morrism

    U.S. Mail: 902 S. 9th St. Lafayette, IN 47905

    Ma Bell: 317-423-2054 or 317-742-5259 (both voice)

     "Goto jail. Directly to jail. Do not pass go. Do not collect $200."

From 2824826502915618894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,125357955c9c7dbf
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,125357955c9c7dbf
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-25 01:41:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Re: printer query
Message-ID: <955@brl-tgr.ARPA>
Date: Sun, 25-Aug-85 04:41:50 EDT
Article-I.D.: brl-tgr.955
Posted: Sun Aug 25 04:41:50 1985
Date-Received: Tue, 27-Aug-85 02:21:43 EDT
References: <646@rduxb.UUCP>
Organization: Ballistic Research Lab
Lines: 8
Xref: watmath net.micro.atari:1064 net.micro.apple:2100

> Has anyone had any experience with the GORILLA BANANA PRINTER? DAK has them
> on sale for $89.90 (+ $69 for an Atari interface + $7 for a graphics driver
> program on disk).This price seems too low to be trusted. Does the thing

> work???

If this is the one with the carbon spark that deposits on the paper,
then yes, it does work. My parents got one for their apple. Be sure
to get plenty of supplies (electrodes, etc.) for this discontinued item.

From 614875385201662861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ea4421c4da7c088
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-25 12:17:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cadre.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!petrus!bellcore!
decvax!genrad!panda!talcott!harvard!seismo!rochester!cmu-cs-pt!cadre!geb
From: geb@cadre.ARPA (Gordon E. Banks)
Newsgroups: net.micro.apple
Subject: Re: Wanted -- Apple][+ Motherboard
Message-ID: <503@cadre.ARPA>
Date: Sun, 25-Aug-85 15:17:55 EDT
Article-I.D.: cadre.503
Posted: Sun Aug 25 15:17:55 1985
Date-Received: Wed, 28-Aug-85 11:25:33 EDT
References: <11086@rochester.UUCP> <364@dadla.UUCP>
Reply-To: geb@cadre.ARPA (Gordon E. Banks)
Organization: Decision Systems Lab., University of Pittsburgh
Lines: 3

Jameco is selling Apple motherboards for $99 ea. See
Byte for the address.

From -6372188691026132312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0115db81d87ea22
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,e0115db81d87ea22
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-08-25 15:37:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcrdcf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!oliveb!hplabs!sdcrdcf!darrelj
From: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Re: Want to read Apple II disk on IBM PC
Message-ID: <2284@sdcrdcf.UUCP>
Date: Sun, 25-Aug-85 18:37:57 EDT
Article-I.D.: sdcrdcf.2284
Posted: Sun Aug 25 18:37:57 1985
Date-Received: Wed, 28-Aug-85 20:50:36 EDT
References: <125@well.UUCP> <576@mmintl.UUCP> <41@intelca.UUCP>
Reply-To: darrelj@sdcrdcf.UUCP (Darrel VanBuer)

Organization: System Development Corp. R+D, Santa Monica
Lines: 17
Xref: watmath net.micro.pc:5123 net.micro.apple:2104
Summary:

Can't be done with standard disk controllers. If you look closely at the
timing and data patterns used by the Apple hardware/software combination,
you find they are using a 1.5 density GCR scheme. All controller chips
implement only single density FM and double density MFM (or a few other
variants of MFM). On the other hand, the Apple controller uses less than a
dozen MSI chips and 256 bytes of 6502 code to operate! so it's a relatively
easy controller to emulate (which a few vendors have, as pointed out in
other articles).
--
Darrel J. Van Buer, PhD
System Development Corp.
2500 Colorado Ave
Santa Monica, CA 90406
(213)820-4111 x5449
...{allegra,burdvax,cbosgd,hplabs,ihnp4,orstcs,sdcsvax,ucla-cs,akgua}
                                                                !sdcrdcf!darrelj
VANBUER@USC-ECL.ARPA

From -8965488636010734184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c20e912bcade427a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-26 06:49:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Ascii Express
Message-ID: <2766@harpo.UUCP>
Date: Mon, 26-Aug-85 09:49:12 EDT
Article-I.D.: harpo.2766
Posted: Mon Aug 26 09:49:12 1985
Date-Received: Wed, 28-Aug-85 20:40:55 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 7
Nf-ID: #R:decwrl:-331700::37600024:000:401
Nf-From: !bob   Jul 29 08:26:00 1985

Ascii express will emulate any of a number of terminals--there are
around 10 canned emulations-- or you can set appropriate parameters.
You have to remember that internally the software emulates a terminal
of some strange variety & a translation must be done to have it
appear as a vt52 to the outside world. On the incoming &
outgoing terminal selections, I believe the correct choices are 6 & 5.

From 7995381342014715294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b317b0f2ea555f72,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-26 06:49:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Locksmith Nibble Editor
Message-ID: <2767@harpo.UUCP>
Date: Mon, 26-Aug-85 09:49:28 EDT
Article-I.D.: harpo.2767
Posted: Mon Aug 26 09:49:28 1985
Date-Received: Wed, 28-Aug-85 20:41:21 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8
Nf-ID: #N::37600025:000:507
Nf-From: !bob   Aug 26 09:49:00 1985

I have been trying to use the Locksmith Nibble Editor (version5) to repair
a standard DOS disk which has had damage in some address fields for some
reason & have run into a few problems which I won't bore you with.
Can anyone tell me what the + & minus signs are that locksmith puts up after
an analysis routine is run? For example 22+. 22 is the routine number
and I gather a + stands for a successful and a - is an unsuccessful completion.
Although I am a manual skimmer, I did not see this explained.

From -5890698598725156711
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,973fa4d18f6122ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-26 08:12:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version Tektronix Network News Daemon (B 2.10.2 based); site
tektronix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!larryt
From: larryt@tektronix.UUCP (Larry Teckenbrock)
Newsgroups: net.micro.apple
Subject: Need apple assistance
Message-ID: <5644@tektronix.UUCP>
Date: Mon, 26-Aug-85 11:12:54 EDT
Article-I.D.: tektroni.5644
Posted: Mon Aug 26 11:12:54 1985
Date-Received: Wed, 28-Aug-85 20:58:26 EDT
Organization: Tektronix, Beaverton OR
Lines: 10

I need assistance with a program I am attempting to write for an Apple II+.
I am attempting to use Applesoft basic but being unfamiliar with both the
Apple and Basic, I am stuck. The problem is that I cant figure how to do
I/O to the disc. Am running out of time and will pay for assitance or someone
to complete the project.

Larry Teckenbrock
   days - (503) 627-5039
   eves - (503) 645-7635

From 3527888519946532400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3670b3487adfb5a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-27 06:13:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site panda.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!jgc
From: jgc@panda.UUCP (Joseph G. Chin)
Newsgroups: net.micro.apple
Subject: Ascii Express VT100 setup
Message-ID: <819@panda.UUCP>
Date: Tue, 27-Aug-85 09:13:33 EDT
Article-I.D.: panda.819
Posted: Tue Aug 27 09:13:33 1985
Date-Received: Thu, 29-Aug-85 21:39:22 EDT
Reply-To: jgc@panda.UUCP (jc)
Organization: GenRad, Inc., Concord, Mass.
Lines: 9

     I have seen a few articles in using Ascii Express to set up
some Vt52 terminal simulation. There has been reference to using 5 &
6 to set this up. I'm not quite sure what this means. I have this soft-
ware but I don't have the manuals. I'd appreciate it if someone could
explain how to set this up. I'm looking for a Vt100 or Vt220 setup. I'm
also confused in setting up the software to autocall and autolink. Thanks
in advance!

                        jc

From -5948013007610170665
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,babbba327a435663,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,babbba327a435663,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-27 15:17:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple,net.micro.cbm
Subject: Amiga WCS and Apple RAM card
Message-ID: <362@ssc-bee.UUCP>
Date: Tue, 27-Aug-85 18:17:23 EDT
Article-I.D.: ssc-bee.362
Posted: Tue Aug 27 18:17:23 1985
Date-Received: Fri, 30-Aug-85 09:34:38 EDT
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 27
Xref: watmath net.micro.apple:2109 net.micro.cbm:1664

Several people seem to think that Amiga has invented a new
ram type with their WCS (Writable Control Store (I know,
WCS usually refers to microcode, and some people don't
like using the term in the Amiga context, but that is
their flame)).

Fact is, the technique of putting operating system code
into RAM and write protecting it has been around for at
least 4 years. Apple does it with their 16k ram card.
Typically, the card holds Integer Basic or Applesoft;
some have moved DOS into the card and run Applesoft from
ROM (the ROM and write-protect RAM memory spaces coincide).

And, yes, it is nice to have the code in write-protect RAM.
As others have pointed out, the code is protected from
most user programs as if were in ROM, but can still be modified
as needed. The biggest drawback I can see will occur when
no disk drive will work and you want some basic 'monitor'
code in ROM for simple hardware checks. Many problems, at least
on Apples, could be troubleshooted using the monitor or entering
short assembly programs from the monitor.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -8178792729251395840
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0115db81d87ea22
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,e0115db81d87ea22
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-08-28 05:48:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ecsvax.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!mcnc!ecsvax!mjg
From: mjg@ecsvax.UUCP (Michael Gingell)
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: Re: Want to read Apple II disk on IBM PC
Message-ID: <330@ecsvax.UUCP>
Date: Wed, 28-Aug-85 08:48:07 EDT
Article-I.D.: ecsvax.330
Posted: Wed Aug 28 08:48:07 1985
Date-Received: Sat, 31-Aug-85 03:40:41 EDT
References: <125@well.UUCP> <576@mmintl.UUCP> <41@intelca.UUCP> <2284@sdcrdcf.UUCP>
Organization: North Carolina Educational Computing Service
Lines: 9
Xref: watmath net.micro.pc:5150 net.micro.apple:2111

Vertex Systems in Los Angeles, has a small board that plugs
into a slot in the PC which enables you to read and write Apple
disks directly. The board is called - wait for it - 'Apple Turnover'.
Not sure of the price. Their phone number is (213) 938-0857.

Mike Gingell   ...decvax!mcnc!ecsvax!mjg

From 406344103540383367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f9f773eddadeae5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-08-28 11:49:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site panda.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!ucbvax!decvax!genrad!panda!jgc
From: jgc@panda.UUCP (Joseph G. Chin)
Newsgroups: net.micro.apple
Subject: USAGE OF ASCII EXPRES
Message-ID: <827@panda.UUCP>
Date: Wed, 28-Aug-85 14:49:07 EDT
Article-I.D.: panda.827
Posted: Wed Aug 28 14:49:07 1985
Date-Received: Fri, 30-Aug-85 11:33:32 EDT
Reply-To: jgc@panda.UUCP (JC)
Organization: GenRad, Inc., Concord, Mass.
Lines: 9

    I have seen a few articles in using Ascii Express to set up
some Vt52 terminal simulation. There has been reference to using 5 &
6 to set this up. I'm not quite sure what this means. I have this soft-
ware but I don't have the manuals. I'd appreciate it if someone could
explain how to set this up. I'm looking for a Vt100 or Vt220 setup. I'm

also confused in setting up the software to autocall and autolink. Thanks
in advance!

jc

From 3165438260378231081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,ba78b749e8c190bf,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,ba78b749e8c190bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-09 12:39:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxl.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP (Dave Newkirk)
Newsgroups: net.wanted,net.micro.apple
Subject: Does anybody have a set of Applesoft ROMs to sell?
Message-ID: <1562@ihuxl.UUCP>
Date: Thu, 9-May-85 15:39:45 EDT
Article-I.D.: ihuxl.1562
Posted: Thu May 9 15:39:45 1985
Date-Received: Sat, 11-May-85 00:21:50 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 5
Xref: watmath net.wanted:6373 net.micro.apple:1913

My brother needs a set of Applesoft ROMs to run ProDOS on his
Apple II. If you have an extra set, or an old Applesoft firmware
card you want to get rid of, let me know.
--
Dave Newkirk, ihnp4!ihuxl!dcn

From 8019037266019982811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9bab56e3925c179c,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,9bab56e3925c179c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-09 21:06:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site diku.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!diku!holst
From: holst@diku.UUCP (Christensen)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Problems with repair of Apple machines.
Message-ID: <947@diku.UUCP>
Date: Fri, 10-May-85 00:06:57 EDT
Article-I.D.: diku.947
Posted: Fri May 10 00:06:57 1985

Date-Received: Sun, 12-May-85 00:13:48 EDT
Organization: DIKU, U of Copenhagen, DK
Lines: 28
Xref: linus net.micro.mac:1304 net.micro.apple:1588

Yesterday my friend's mac made smoke signals (blue smoke came out from the top). When he called his supplier, he was told that they didn't have any spare parts, and that they had to order them in the US, so he is now without his mac for at least a month.

This might not be so bad, but my friend is an Apple distributor, and his supplier is the danish importer, so this means that there is NO spare parts to a mac in Denmark, and that every time something goes wrong, the parts have to be imported from the US.

Is this normal ? Why do I feel it is wrong to wait for a month to get your mac back ?

By the way, the problem with the mac was that the high-voltage part broke down (don't ask me what that means, but that was what the importer said).

This suddently make me realize, that I orderd a repair os my disk II for my old Apple II in november last year, and i am still waiting...

Have anybody else had problems with getting your Apple running after a breakdown ? What can one do, if the importer havn't got the parts ?

Thanks in advance

Bo Holst-Christensen
Institute of Datology,
University of Copenhagen

holst@diku.UUCP

From 3033563342661029877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-10 22:53:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Re: Banging noise on Apple //e,c disk dr
Message-ID: <426@cvl.UUCP>
Date: Sat, 11-May-85 01:53:43 EDT
Article-I.D.: cvl.426
Posted: Sat May 11 01:53:43 1985
Date-Received: Mon, 13-May-85 00:12:08 EDT
References: <573@spp2.UUCP> <4400001@hpvcla.UUCP>
Organization: Computer Vision Lab, U. of Maryland, College Park

Lines: 29

>
>   When DOS has trouble reading a diskette after a few
>   tries it "re-syncs" the head. It does this by pulling
>   the head up against a mechanical stop. Because the
>   head motion is an open loop control system (etc.) it
>   hits the stop several times causing the banging. The
>   underlying cause is that the head alignment is
>   different on the drive that made the Beagle Bros. disk
>   and your disk.
>
>   Dave Lowe

Noticing the //e in the top...is this unit equipped with a Duodisk?
Or did you buy the single disks? It seems that the newer mechanisms
do occasionally need to be realigned, while the older ones with the
Shugart guts had a reputation for never needing service aside from an
occasional speed-calibration and head cleaning.

Just a small(?) note: the Apple is not "re-syncing" the drive. It is trying
to restore track position. Most micros do this, but some do not do a very
good job of it. Commodore 1540 and 1541 drives are notorious for losing
alignment because their stops are adjustable, and the setscrews come lose
after a few minutes of use due to heat build-up in the under-ventilated
cases. Running the original copy program on protected disks and leaving
to grab some food caused many machines to be returned for service at the
computer store I used to work at. Re-syncing is accomplished by waiting
until the drive reads a self-sync byte, no more than a long string of ones.

-dave

From 5714090003537041612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8360483f34ca8ea6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-11 09:43:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site nvuxf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!nvuxa!nvuxf!markg
From: markg@nvuxf.UUCP (M. Guzdial)
Newsgroups: net.micro.apple
Subject: Pascal and Terminal Program Suggestions?
Message-ID: <108@nvuxf.UUCP>
Date: Sat, 11-May-85 12:43:19 EDT
Article-I.D.: nvuxf.108
Posted: Sat May 11 12:43:19 1985
Date-Received: Sun, 12-May-85 05:55:49 EDT
Organization: Bell Communications Research, Red Bank, NJ
Lines: 21

Requesting Yet Another Shopping List, Please...

I'm looking for a Pascal compiler/interpreter for my Apple //c (i.e., 128K, 1 disk, 80-column support preferred). I don't want one so intensely that I'll spend $250 for UCSD -- I'm looking for something more along the lines of "Turbo Pascal" or a "Tiny-C" Pascal for about $100. Is Turbo available for the Apple without a Softcard or other Z-80 card? I once saw an advertisement for a "Kylan" Pascal, or somesuch for about $69. Anyone have any experience with this?

I'm also looking for a good terminal emulator program, <$200. My major considerations are 1200 baud (I have an external Hayes 1200 Smartmodem), 80-column support, VT-100 emulation preferred, uploading/downloading, and the ability to dump 'tee' the dialogue right to my printer. I realize that these are very loose definitions that many programs match (:-)), but if anyone has any suggestions, I'd appreciate them. Thanks in advance!!!

Mark Guzdial
{houxm, ihnp4}!nvuxf!markg
(201) 949-5471

From 8599623688324606250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-11 17:43:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site umd5.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!umd5!zben
From: zben@umd5.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: Banging noise on Apple //e,c disk dr
Message-ID: <505@umd5.UUCP>
Date: Sat, 11-May-85 20:43:54 EDT
Article-I.D.: umd5.505
Posted: Sat May 11 20:43:54 1985
Date-Received: Mon, 13-May-85 00:38:40 EDT
References: <573@spp2.UUCP> <4400001@hpvcla.UUCP> <426@cvl.UUCP>
Reply-To: zben@umd5.UUCP (Ben Cranston)
Organization: U of Md, CSC, College Park, Md
Lines: 12
Summary: Right or wrong, thats what its called!

I beg to differ with you, Dave, but "resynching" is what this is called, throughout the microcomputer world. The usage is universal.

Regardless of whether it is meaningless or confusing, thats the term in general use. Most people can just about handle tracks and physical head motion, but don't understand *record* resyncing, so the conflict does not arise in practice.

I could probably use more of this advice than you, but for what its worth,

you shouldn't criticize until you understand...
--
Ben Cranston ...{seismo!umcp-cs,ihnp4!rlgvax}!cvl!umd5!zben zben@umd2.ARPA

From -234798807566174325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8cdc647895150bd1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-11 19:56:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: Apple II Head Banging
Message-ID: <1054@ihuxn.UUCP>
Date: Sat, 11-May-85 22:56:07 EDT
Article-I.D.: ihuxn.1054
Posted: Sat May 11 22:56:07 1985
Date-Received: Sun, 12-May-85 06:11:26 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 19

It is true that when the disk drive gets "confused", it recalibrates the head
and makes a banging noise. However, there is a special reason for it doing so
when BLOADING a file that includes the section $400-$800 (hex) in memory.

The problem is in BLOADING because there are many important DOS variables that
are stored in that range. THe range from $400-$800 includes $400 bytes or
1024 bytes in decimal. In normal 40-column mode, there are 40 characters
across and 24 down, which multiply to 960 bytes needed to store text. The
other 64 bytes, scattered around not quite randomly in the text page.

When you BSAVE you include in the file all the current DOS variables in that
range, which do all sorts of things with the RWTS (read or write a track and
sector) routine. The RWTS routine is the one that causes your disk drive to
bang when you load a file into the text page. It loads the old variables
over the new ones and totally confuses the disk drive.

One solution, if it bothers you, is to load it somewhere else in memory and
then do a memory move.

From 7892818458244684896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129fb9,bfa63f32965ea5e7,start
X-Google-Attributes: gid129fb9,public
X-Google-Thread: 12306c,bfa63f32965ea5e7,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,bfa63f32965ea5e7,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-12 04:19:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!ralphw
From: ralphw@mit-eddie.UUCP (Ralph W. Hyre)
Newsgroups: net.lang.mod2,net.micro.apple,net.lang.pascal
Subject: Modula Corp Modula-2 System, Native Code Generators
Message-ID: <4245@mit-eddie.UUCP>
Date: Sun, 12-May-85 07:19:06 EDT
Article-I.D.: mit-eddi.4245
Posted: Sun May 12 07:19:06 1985
Date-Received: Mon, 13-May-85 03:21:44 EDT
Reply-To: ralphw@mit-eddie.UUCP (Ralph W. Hyre)
Organization: MIT, Cambridge, MA
Lines: 14
Keywords: Modula Corp, p-code, m-code, MEDOS, Native Code Generator
Xref: watmath net.lang.mod2:212 net.micro.apple:1918 net.lang.pascal:293

Does anyone have information on availability of the Modula Corp. series
of compilers? The last I heard, all that was available for the Apple][
and Mac were beta test versions. Are they taking orders for real product
yet?

(If anyone is using a beta test version for the Apple][line, I'd
be interested in your comments.)

Also, does any company have plans to introduce either a p-code or m-code
(used on Modula Corp products - MEDOS is written in it) Native Code
Generator for the Apple][?

- Ralph Hyre

From 359377019749350054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9bab56e3925c179c
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,9bab56e3925c179c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-12 18:32:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.3 alpha 4/15/85; site sdcc7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
ittvax!dcdwest!sdcsvax!sdcc3!sdcc7!li63sdl
From: li63sdl@sdcc7.UUCP (DAVID SMITH)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: Problems with repair of Apple machines.
Message-ID: <1454@sdcc7.UUCP>
Date: Sun, 12-May-85 21:32:18 EDT
Article-I.D.: sdcc7.1454
Posted: Sun May 12 21:32:18 1985

Date-Received: Thu, 16-May-85 05:38:21 EDT
References: <947@diku.UUCP>
Reply-To: li63sdl@sdcc7.UUCP (David L. Smith)
Organization: U.C. San Diego, Academic Computer Center
Lines: 33
Xref: watmath net.micro.mac:1389 net.micro.apple:1923

In article <947@diku.UUCP> holst@diku.UUCP (Christensen) writes:
>
>   This suddently make me realize, that I orderd a repair os my disk II
>for my old Apple II in november last year, and i am still waiting...
>
>
>   Have anybody else had problems with getting your Apple running after a
>breakdown ? What can one do, if the importer havn't got the parts ?
>
>   Thanks in advance
>
>   Bo Holst-Christensen
>   Institute of Datology,
>   University of Copenhagen
>
>   holst@diku.UUCP

     Well, I can't recommend too much for the Mac. However, the
high-voltage section in the Mac shouldn't be too hard to fix using
stock parts, I should think.

     With the older Apples (II/II+) it's no problem, since they
were built with off the shelf parts (Not much of a budget for custom
chips then). The IIe is a different story since it has two or three
custom chips that take the pace of all the discrete logic in the
II/II+.

     The Disk II shoudldn't be tough to fix either. It's hardly
anything at all. I would say if your dealer can't or won't
fix it, find a friend who's not adverse to handling a
soldeiring iron and get him to put it back together.
(Assuming it's the circuitry, not the actual drive
mechanism.

From 8696771075261217013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-12 23:52:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ames!barry
From: barry@ames.UUCP (Kenn Barry)
Newsgroups: net.micro.apple
Subject: Re: Banging noise on Apple //e,c disk drive...

Message-ID: <982@ames.UUCP>
Date: Mon, 13-May-85 02:52:19 EDT
Article-I.D.: ames.982
Posted: Mon May 13 02:52:19 1985
Date-Received: Thu, 16-May-85 03:17:50 EDT
References: <573@spp2.UUCP>
Distribution: net
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 37

>I am using the Beagle Bros. program GPLE. When I BLOAD the program,
>the disk sometimes bangs. It doesn't always do it, just sometimes.
>There doesn't seem to be a pattern. What could cause this?

DOS keeps pointers that inform it about the disk currently being accessed (slot, volume, drive) in a few unused bytes of the main text screen page ($400-$7FF). If the file being loaded overwrites these locations, DOS temporarily loses track of where things are. One of the things that happens is that the read/write head recalibrates (goes back to track 0, the only track on the disk it can locate absolutely; other tracks are found by offset from the current track), which is the banging noise you hear - the head bangs against the stopping point at track 0. This is also why the noise occurs when you boot a disk - DOS has no previous information on the location of the read/write head, and must recalibrate.

>Also, I once did a BSAVE on screen memory, and when I BLOADed it back
>using the same drive it was saved with, it doesn't rattle. When
>I use another drive it rattles. Does anybody know what is going on?

Yup. When you reload the file from the same drive, the bytes DOS uses in screen memory are overwritten with the *same values* they had when the file was saved, which are also the same values as the ones being overwritten when you reload the file from the same slot, drive, volume. If you switch drives, the "drive" pointer gets changed from "1" to "2" (or 2 to 1) by the loading of the file, causing the recalibration.

What to do about it? Ignore it. It does no harm. The only time I know of where it's a problem is with some hard disk systems. Programs that overwrite these locations may not load properly from a hard disk, because DOS will lose track of the correct volume number permanently. If this happens, resave the problem file with the appropriate volume number in place.

- From the Crow's Nest -   Kenn Barry
                                                NASA-Ames Research Center
                                                Moffett Field, CA

USENET: {ihnp4,vortex,dual,nsc,hao,hplabs}!ames!barry

From -7407274796478151380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d05a8583abb286cb,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-05-13 05:57:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!decwrl!
dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (Wherever you go, there you are.)
Newsgroups: net.micro.apple
Subject: Re: Re: Re: Banging noise on Apple //e,c disk
Message-ID: <2134@decwrl.UUCP>
Date: Mon, 13-May-85 08:57:27 EDT
Article-I.D.: decwrl.2134
Posted: Mon May 13 08:57:27 1985
Date-Received: Thu, 16-May-85 06:10:58 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 18

Here we go again...

> I beg to differ with you, Dave, but "resynching" is what this is called,
> throughout the microcomouter world. The usage is universal.

Funny, Ben, I'd never heard of that usage before - I've been designing disk
controllers and suchlike hardware for about 12 years now. The process of
recovering head position by moving to track zero is caller recalibration,
not "resynching". Resynchronisation is exactly that - correcting an error
in (or loss of) timing. The Apple's self-synch bytes are an example of a
device used for resynching.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: {decvax, allegra, ucbvax...}!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From -5077873895502724270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1dd67b18faeb0220,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-13 15:37:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site osu-eddie.UUCP
Path: utzoo!watmath!clyde!cbosgd!osu-eddie!pritch
From: pritch@osu-eddie.UUCP (Norman Pritchett)
Newsgroups: net.micro.apple
Subject: Pinouts for the Apple //c modem port
Message-ID: <300@osu-eddie.UUCP>
Date: Mon, 13-May-85 18:37:14 EDT
Article-I.D.: osu-eddi.300
Posted: Mon May 13 18:37:14 1985
Date-Received: Tue, 14-May-85 23:41:20 EDT
Distribution: net

Organization: Ohio State Univ., CIS Dept., Cols, Oh.
Lines: 12

Does anybody know which signals are which on the modem port on the back of
the Apple //c ?

Please reply by mail. If there is enough interest I'll post to the net.

--

Norm Pritchett
UUCP: cbosgd!osu-eddie!pritch
CSNET: pritch@ohio-state
BITNET: TS0017 at OHSTVMA
MA-NET: (614) 291-8775

From 2514959119701386254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-14 12:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site hpvcla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tikal!hplsla!hpvcla!davel
From: davel@hpvcla.UUCP (davel)
Newsgroups: net.micro.apple
Subject: Re: Banging noise on Apple //e,c disk dr
Message-ID: <4400002@hpvcla.UUCP>
Date: Tue, 14-May-85 15:41:00 EDT
Article-I.D.: hpvcla.4400002
Posted: Tue May 14 15:41:00 1985
Date-Received: Fri, 17-May-85 00:46:58 EDT
References: <573@spp2.UUCP>
Lines: 20
Nf-ID: #R:spp2:-57300:hpvcla:4400002:000:821
Nf-From: hpvcla!davel   May 14 12:41:00 1985

>Noticing the //e in the top...is this unit equipped with a Duodisk?
>Or did you buy the single disks? It seems that the newer mechanisms
>do occasionally need to be realigned, while the older ones with the
>Shugart guts had a reputation for never needing service aside from an
>occasional speed-calibration and head cleaning.

     I have had "banging" with one of my 8 year old single drives.
     In my case the symptom is slightly different in that it occurs
     only after the drive has set idle for some time (overnite).
     My guess is that the head somehow "settles" to an off track
     position. Does anyone know if DOS keeps the coils on the head
     stepper motor energized all the time (while the computer is on

at least)?

Dave Lowe

P.S. I don't have a //e, I have a][that has had EPROM brain surgery to make it a][+.

From -4676887609769725020
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1dd67b18faeb0220
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-15 06:00:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!mhuxi!mhuxl!res1
From: res1@mhuxl.UUCP (STEALEY)
Newsgroups: net.micro.apple
Subject: Re: Pinouts for the Apple //c modem port
Message-ID: <202@mhuxl.UUCP>
Date: Wed, 15-May-85 09:00:12 EDT
Article-I.D.: mhuxl.202
Posted: Wed May 15 09:00:12 1985
Date-Received: Thu, 16-May-85 05:27:18 EDT
References: <300@osu-eddie.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

> Does anybody know which signals are which on the modem port on the back of
> the Apple //c ?
>
This information is available in the new IIc maintenance manual, available
from dealers for $50. It is in 2 volumes. I have a copy and will supply
the information tomorrow.
Rick

From -8128108825971337256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1dd67b18faeb0220
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-16 07:48:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mhuxl!res1
From: res1@mhuxl.UUCP (STEALEY)
Newsgroups: net.micro.apple
Subject: Re: Pinouts for the Apple //c modem port
Message-ID: <209@mhuxl.UUCP>
Date: Thu, 16-May-85 10:48:04 EDT
Article-I.D.: mhuxl.209
Posted: Thu May 16 10:48:04 1985
Date-Received: Fri, 17-May-85 01:25:56 EDT

References: <300@osu-eddie.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 28

> Does anybody know which signals are which on the modem port on the back of
> the Apple //c ?
>
> Please reply by mail. If there is enough interest I'll post to the net.
>
> --
> ----------------------------------
> Norm Pritchett
> UUCP: cbosgd!osu-eddie!pritch
> CSNET: pritch@ohio-state
> BITNET: TS0017 at OHSTVMA
> MA-NET: (614) 291-8775

The following information is from the Apple IIc Reference Manual Vol.1.
Serial port 2------

pin number	function	
1	DTR	Data Terminal Ready
2	TD	Transmit Data
3	GND	Ground
4	RD	Receive Data
5	DSR	Data Set Ready

In addition the manual contains 18 more pages of information regarding serial
port number 2 and the use of it for communications.

Rick
mhuxl!res1

From 4894743856707856259
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,582678043ed2df57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-17 20:08:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fritz.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!ittvax!dcdwest!
sdcsvax!sdcrdcf!trwrb!scgvaxd!pertec!felix!fritz!jim
From: jim@fritz.UUCP (Jim Gilbert)
Newsgroups: net.micro.apple
Subject: 68008 Coprocessors
Message-ID: <2793@fritz.UUCP>
Date: Fri, 17-May-85 23:08:57 EDT
Article-I.D.: fritz.2793
Posted: Fri May 17 23:08:57 1985
Date-Received: Thu, 23-May-85 01:10:27 EDT
Organization: FileNet Corp., Costa Mesa, Ca.
Lines: 26

I am in the process of broadening my understanding of the process of
hardware design and implementation by designing and building a coprocessor
for my Apple II+ with the following characteristics

     68008 at 8 mhz with one wait state
     32K EPROM
     128K CMOS DRAM
     RS-232 serial port with modem control
     Communication with 6502 or other coprocessors strictly
          through a pair of 512x8 high-speed FIFOs

I am well along in my own educational design right now and am part way
through assembling my prototype. I have no immediate commercial plans.
My interest in other 68008 co-processors has increased during this
process, however.

I would appreciate it if anyone could provide details or pointers to
the sources of details for other 68008 co-processors. I am especially
curious about the "DTACK Grounded" one, which has such a charming name.

Please mail replies to me. If sufficient interest is indicated I will
post a summary to the net. Thank you for your time.

                    Jim Gilbert

                    ihnp4!trwrb!felix!fritz!jim

From 744679758511279450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,94021f9477dbe251,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,94021f9477dbe251,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-18 11:21:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!seismo!umcp-cs!gymble!
lll-crg!dual!islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Ramblings 5/85
Message-ID: <1136@islenet.UUCP>
Date: Sat, 18-May-85 14:21:22 EDT
Article-I.D.: islenet.1136
Posted: Sat May 18 14:21:22 1985
Date-Received: Fri, 24-May-85 04:21:50 EDT
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 115
Xref: watmath net.micro.apple:1932 net.micro.mac:1456

Ramblings
By J Fields

5-16-85

Good things are showing up all over these days. Applied Engineering has a Z-80 addon kit for the Apple //c that lets us run CP/M on the 2-see. Apple is delivering the kit to make the //e completely compatible with //c. Ensemble and MacEnhancer arrive for the Mac, and Hawaii's beaches are once again filling up with good scenery from the mainland. What more can we ask for?

If you drop in on a friend and catch him/her at work on a Macintosh, the chances are that you will catch them using a Microsoft product. Sometimes it seems like Microsoft has cornered the market on getting things done with the Macintosh. Only two things are wrong with Microsoft products: 1) Copy protection, and 2) speed. Apart from these two shortcomings you should find unadulterated ease of use.

First, let's look at the shortcomings - in reverse order: Speed has been the common denominator for most Mac-complaints. Microsoft can not do much to make disk to memory transfer rates faster than 230K baud. Fortunately Apple seems to have found a way of improving the speed of the System and Finder in the surprise System Update delivered with the new version of Macwrite - Version 4.5. If you switch between applications often in the course of your day then you will want to try the new system's minifinder feature. It will save you considerable time switching between applications that you can keep on the same disk. Want a pat-on-the-back for buying Apple? The upgrade is available at no charge. Contact any authorized Apple dealer to obtain your update.

As for copy protection - doesn't everybody hate it? Microsoft believes *very* strongly in copy protecting their programs. Why?

A recent article in PC World says that Bill Gates (founder of Microsoft) was burned bad by piracy very early his career. As you probably know, Microsoft paved the way for programmers by giving us one of the very first Basic languages for microcomputers. It seems that right after he put the product on the market copies started turning up everywhere. Thousands of people were suddenly raving about the new Basic. When Bill checked he had only sold a hundred or so. There went his anticipated revenues.

If you've thought of depending on your own business for a living, then you may know how important a breakeven analysis is. If so, then you may appreciate what 10% product performance means. In any case, before we grumble about copy protection we should remember that we caused copy protection to be necessary in the beginning. Still, copy protection degrades considerably from the performance, or possible performance of Microsoft products on the Macintosh. Macintosh programs are tantalizingly slow loading. Stopping to insert the original for verification adds one more fly to the ointment. Consequently, I've taken to using one of my original disks as a work disk.

Yesterday something new happened to my *original* copy of Microsoft Word while using it. Upon booting I received a message saying "PLEASE INSERT WORD MASTER". I asked myself, "W.T.F.?" Obviously, something had *happened* to my disk. I

invisioned the weeks ahead using my backup and waiting for the damaged disk to be returned. What if something similar should happen to the backup disk?

To make a long story short, I found someone with a copy of Copy II Mac and used Bit Copy to back up the backup onto my original. I then ordered my own *original* Copy II Mac disk from:

Central Point Software, Inc.
9700 S.W. Capitol Hwy #100
Portland, OR 97219
(808) 244-5782

Price was only 29.95.

You would not hear me go on so about this except that otherwise I'm totally in love with Microsoft word. Multiple windows allow you to cut and paste between documents quickly. Want to see just one document full screen? Just double click on the title-bar and the small box popps up full-screen. Double click again and it returns to the smaller, more manageable size. Multiple windows are useful also if you want to make some global changes on a limitted part of your document. Select the text you want to work with, copy it, open a new window, paste, make changes then cut and paste back over the original text.

Glossary functions allow you to quickly change ms to Microsoft by pressing two keys. And you seldom have to take your hands off the keyboard once you've learned some of the secret key sequences. MS Word is probably the best word processor ever.

What's the difference between FACE and FADE? Try sixteen. Confused? Then try 10 Hex. I discovered this while trudging through Kane, Hawkins, & Leventhals' "68000 Assembly Language Programming." Trudge, trudge, trudge.

Hayden's ENSEMBLE is on the street now, and well ahead of Jazz. Looking at the guided tour disk that comes with it I would say that Hayden has a winner. The format seems a little unorthodox for the Mac, but I forgot the differences once I got going. Someone said that ENSEMBLE was originally developed in France. That might explain the slightly different approach of using Icons inside programs.

MacEnhancer is something many people have been waiting for. If you know someone who has put off getting their own Mac (and scrapping whatever rust-bait they're using now) simply because they already had a printer and could not see buying a new printer also, then let them know about the Enhancer. MacEnhancer (a Microsoft *hardware* product) lets you hook up any IBM (who?) compatible printer to your Mac. Only an arm and a leg, but you won't miss them - much.

Apple now has a bulletin board for dealers to use to communicate with techies. Lots of up to the minute tips can be found on various Apple-dom subjects. If your dealer does not know about this board ask them to save themselves some time dealing with your questions by finding out about it.

Speaking about dealers, the chances are that by the time you read this I'll be going to school full time. The good things Marv Weisman says about Charlie

Kong's machine language abilities have made me envious. Time for a re-tread back at the noodle factory. A recent pay cut also tells me that I have to find another way to earn a living. Not only do I have a carrot (incentive) in front of me, but someone's given me a kick in the butt (motivation) to get started. Who wants to wake up in five years doing the same thing and earning the same income while the people you work for seem to enjoy higher and higher standards of living?

CUL8R

From 6876231465537976145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,99f2cf466331a4c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-19 14:01:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.micro.apple
Subject: Prices for a Apple][e
Message-ID: <844@unmvax.UUCP>
Date: Sun, 19-May-85 17:01:46 EDT
Article-I.D.: unmvax.844
Posted: Sun May 19 17:01:46 1985
Date-Received: Tue, 21-May-85 04:14:23 EDT
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 22

Soon I am going to sell my][e and am wondering what you people think is
 a good price for :

    Apple][e with b/w monitor
    One Disk Drive working
    One Disk Drive broken ($150.00 repairs)
    80 column card
    Profile Hard Disk Drive(5 meg)
    Wildcard 1
    Joystick
    Full set of manuals for the][+
    Full set of manuals for the][e
    Full set of manuals for the][c

The Apple is a year old.

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -8297288418850856972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,249c56a3f0c1cfe4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-20 09:27:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!decvax!bellcore!allegra!ulysses!mhuxr!mhuxn!mhuxm!mhuxi!mhuxl!res1
From: res1@mhuxl.UUCP (STEALEY)
Newsgroups: net.micro.apple
Subject: IIc Use With 1200 Baud Modem
Message-ID: <218@mhuxl.UUCP>
Date: Mon, 20-May-85 12:27:18 EDT
Article-I.D.: mhuxl.218
Posted: Mon May 20 12:27:18 1985
Date-Received: Tue, 21-May-85 01:48:16 EDT
Distribution: na
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 8

I am having a problem with getting a new Anchor Signalman modem to work at
1200 baud. It works properly at 300 baud. Anchor has tested it and says
the modem is ok. One Apple dealer has looked at the computer and says all
is ok with it. The IIc works fine with a Novation Auto 1200 model at 1200
baud also. Could this be a typical case of the bad oscillator in the IIc,
which is supposed to be corrected in new production units, or has anyone
else had any experience with this combination?
Rick mhuxl!res1

From -4401361333228108149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,99f2cf466331a4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-20 18:33:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: Motherboard wanted (swap)
Message-ID: <4313@mit-eddie.UUCP>
Date: Mon, 20-May-85 21:33:44 EDT
Article-I.D.: mit-eddi.4313
Posted: Mon May 20 21:33:44 1985
Date-Received: Wed, 22-May-85 01:12:37 EDT
References: <844@unmvax.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 9

Keywords: Motherboard

I have an Apple][+ with a motherboard that's older than Revision 7. This board will not accept the lowercase chip; it works only with Revision 7 or later. Would anyone (who doesn't need or use lowercase in their Rev 7 or later][+ motherboard) be willing to either sell or swap motherboards with me? (my board is in perfect working order).

-dru

From -8462627436106231949
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,fb7a7da341532b10,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 163b79,fb7a7da341532b10,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 12f221,fb7a7da341532b10,start
X-Google-Attributes: gid12f221,public
X-Google-Thread: 1622d3,fb7a7da341532b10,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-22 14:24:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekcbi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!tekig!tekcbi!moeckli
From: moeckli@tekcbi.UUCP (David Moeckli)
Newsgroups: net.general,net.micro.apple,net.misc,net.wanted
Subject: Database Program Wanted
Message-ID: <231@tekcbi.UUCP>
Date: Wed, 22-May-85 17:24:26 EDT
Article-I.D.: tekcbi.231
Posted: Wed May 22 17:24:26 1985
Date-Received: Fri, 24-May-85 03:19:54 EDT
Organization: Tektronix, Beaverton OR
Lines: 15
Xref: watmath net.general:94 net.micro.apple:1931 net.misc:7995 net.wanted:6452

My LDS church has a 64k Apple II+ with 1 floppy, running Applesoft (no CP/M), and they have asked me to put their membership records on it. The data base would include family-related items (i.e., address, phone, number of children, etc.) and individual-based items (i.e., age, hobbies, work hours, etc.). What is commercially available? Has anyone written such a program? I am hoping for a program that is not too disk-intensive, but if necessary I could have them purchase a hard disk or semi-disk. It would be nice for the program to be modifiable (implying BASIC) to customize the input/output formats. Any suggestions would be appreciated!

Tom Seaton
11821 SE 119th
Clackamas, OR 97015

(503) 658-8767 (home)
(503) 627-8432 (work)

From -6693376551067425856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,36341fd343a0fb34,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-23 10:45:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!decvax!harpo!whuxlm!whuxl!houxm!mhuxt!mhuxv!mhuxh!mhuxi!mhuxl!mcc1
From: mcc1@mhuxl.UUCP (CHIGER)
Newsgroups: net.micro.apple
Subject: Translate Epson to Olivetti graphics - ?
Message-ID: <225@mhuxl.UUCP>
Date: Thu, 23-May-85 13:45:15 EDT
Article-I.D.: mhuxl.225
Posted: Thu May 23 13:45:15 1985
Date-Received: Thu, 23-May-85 22:59:55 EDT
Distribution: na
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 12

Path: ...mhuxl!mcc1 (Matt Chiger at AT&T Bell Laboratories, Murray Hill)

I bought the Olivetti PR-2300 ink jet printer form DAK some time ago. It works well and has great graphics capabilities. The problem is that the graphics are not compatable with many available programs (such as The Print Shop). Has anyone out there been successful in converting graphics designed for one of the popular printers (such as the Epson for example) to work on the PR-2300 ?

The interface board I am using is the modified Practical Peripherals' GraphiCard that DAK sold as a companion to the printer.

From -3497109105317296811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce9e3805897643b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-23 13:35:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesnews 0.1 (unido 12/05/84); site unido.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!unido!v00v05
From: v00v05@unido.UUCP
Newsgroups: net.micro.apple
Subject: 8 inch disk and VAX
Message-ID: <nf15600003@unido.UUCP>
Date: Thu, 23-May-85 16:35:00 EDT
Article-I.D.: unido.nf15600003
Posted: Thu May 23 16:35:00 1985

Date-Received: Sat, 1-Jun-85 14:13:34 EDT
Sender: notes@unido.UUCP
Lines: 4
Nf-ID: #N:unido:15600003:000:140
Nf-From: unido!v00v05   May 23 18:35:00 1985

Who has some information on how to read Apple 8-inch disks
written with a Vista-controller in single density IBM-format
on a VAX machine ?

From 2861099701780187317
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,db8ac30fdef21801,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-27 10:00:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Wanted: Megaflex Pascal Patch
Message-ID: <1335@ecsvax.UUCP>
Date: Mon, 27-May-85 13:00:08 EDT
Article-I.D.: ecsvax.1335
Posted: Mon May 27 13:00:08 1985
Date-Received: Thu, 30-May-85 00:32:51 EDT
Organization: NC Educational Computing Service
Lines: 13

Has anyone got an Apple Pascal patch for the Megaflex card?
The manufacturer no longer supports the card or software, so
my only hope is to find someone that has a copy...

Please reply via mail or US mail or phone

                          Charles J. Lord
                          cjl@ecsvax.UUCP

  108 Huntington Circle
  Cary, NC 27511
  (919)469-9682

From 5074716034026654673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,723aad839189a872,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,723aad839189a872,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-28 10:19:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: RAMWORKS w/RGB option ?
Message-ID: <530@sftig.UUCP>
Date: Tue, 28-May-85 13:19:57 EDT
Article-I.D.: sftig.530
Posted: Tue May 28 13:19:57 1985
Date-Received: Thu, 30-May-85 02:58:12 EDT
References: <849@loral.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 32
Xref: watmath net.micro.apple:1935 net.micro.cpm:4164

While we are on the subject, does anybody know if there is a ramdisk
driver for the PCPI applicard that works with the RAMWORKS card? (I.e,
that uses the RAMWORKS memory for its ramdisk.) Presumably if there were
one it would also work with the Apple 80 col card. Please save me from
re-inventing the wheel. If I can't buy one, I will have to write it
myself.

Rick Thomas
 {ihnp4, akgua, sdcsvax, just about anywhere}!attunix!rbt
 (201)-522-6062

> I am soliciting reviews from users of the RAMWORKS w/ RGB option
> by Applied Engineering.
>
> Is it really equivalent to Apple's card with respect to double
> hi-res and all the mixed modes ?
> Is the ram disk software difficult to use and require tedious set-up ?
> AE's technician says a 256k version can simulate one large disk volume
> or two regular size ones. Anyone doing this ?
> What RGB monitors are you using it with ?
> Is all the extra memory really worth it ?(I don't use Appleworks)
>
> Or is anybody using Video-7's Vcolor //e ? If so, how does it
> compare with Apple's card ?
>
> I'd also like to know of any other //e rgb cards that support d-hires.
> Thank you.
>
> --
> {ucbvax, ittvax!dcdwest, akgua, decvax, ihnp4}!sdcsvax!sdcc3!loral!hlb

From -7137451457504617603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8dd534e83b80e87c,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-05-28 19:48:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!genrad!panda!talcott!harvard!seismo!utah-cs!e-smith
From: e-smith@utah-cs.UUCP (Eric L. Smith)
Newsgroups: net.micro.apple
Subject: Apple 2 stuff 4 sale (Hard disks, etc.)
Message-ID: <3353@utah-cs.UUCP>
Date: Tue, 28-May-85 22:48:36 EDT
Article-I.D.: utah-cs.3353
Posted: Tue May 28 22:48:36 1985
Date-Received: Fri, 31-May-85 02:08:39 EDT
Organization: University of Utah Ada-to-Silicon project
Lines: 29

I have the following items (in perfect condition) available for sale:

1 Apple Profile // 5 Megabyte hard disk with interface and cables. Supports
  ProDOS, software available elsewhere for DOS and Pascal. $600

1 Corvus 6AP 5 Megabyte hard disk with interface, cables, manuals, and software
  for DOS, Pascal, and Microsoft CP/M. $600

3 Apple //e extended 80 column text cards. $35 each

1 Microsoft Z-80 softcard with manuals and software. $100

1 Videx Videoterm 80-column video card with manual. $100

If you are interested in any of these items, please contact me.

Eric L. Smith (801) 581-8100 e-smith@utah-cs.arpa ...decvax!utah-cs!e-smith
3118 Merrill Engineering, University of Utah, Salt Lake City, UT 84112

The opinions expressed herein do not necessarily represent those of the
University of Utah, my friends, enemies, computer, or even me. :-)
--

Eric L. Smith (801) 581-8100 e-smith@utah-cs.arpa ...decvax!utah-cs!e-smith
3118 Merrill Engineering, University of Utah, Salt Lake City, UT 84112

The opinions expressed herein do not necessarily represent those of the
University of Utah, my friends, enemies, computer, or even me. :-)

From 2248913843262588823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31e22ee2ec220ddc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-29 07:09:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site nvuxf.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxv!nvuxa!nvuxf!markg
From: markg@nvuxf.UUCP (M. Guzdial)
Newsgroups: net.micro.apple
Subject: Re: Pascal and Terminal Suggestions
Message-ID: <117@nvuxf.UUCP>
Date: Wed, 29-May-85 10:09:32 EDT
Article-I.D.: nvuxf.117
Posted: Wed May 29 10:09:32 1985
Date-Received: Thu, 30-May-85 20:21:56 EDT
Organization: Bell Communications Research, Red Bank, NJ
Lines: 61

Thanks to all for the tremendous response I've had suggesting terminal programs and Pascal compilers. I apologize to those to whom I was unable to reply -- I'm still a rookie at "riding the Net" and generate a lot of "UNABLE TO SEND" messages. The following is the summary of the responses and other investigations.

The two most suggested programs were Ascii Express Professional by United Software and Softerm II from Softronics. Ascii Express Professional runs quite a bit cheaper than Softerm II, and though it supports 1200 baud and other important features, it does not support the VT100 terminal emulation I require. Softerm II also includes a "mini-keypad," according to one of the respondents, for special functions. Softerm II lists for $195 and is available from Softronics, Inc in Memphis, Tenn.

Apple's "Apple Access" was also suggested, and does have VT100 emulation as an "ANSI" terminal type. I have no pricing information or other respondents' comments.

In general, most of the Pascal suggestions involved either installing the Z-80 processor for my //c and purchasing Turbo Pascal, or trying to buy an old or used version of UCSD Pascal, perhaps Version 1.1. Neither of those interested me, so I went ahead and purchased Kyan Pascal from Kyan Software, 1850 Union Street, Suite 183, San Francisco, CA, 94123. For $69.95, the package includes a Pascal to 6502 Machine Code Compiler, an Assembler, and a Full-Screen Editor. I played with the package over the Memorial Day Weekend and enjoyed it tremendously.

I'm not very familiar with Pascal -- my experiences are limited to trying to implement interrupt routines in Apple UCSD Pascal on a II+ and reading parts of Peter Grogono's "Programming with Pascal" -- so I can't be a great judge of the compiler, but I was able to type in the Tower of Hanoi program from Grogono's book, without modification, and had it compile and execute the first time. I put together a program to assemble and print a linked list, with a 'dispose()' statement, and it ran fine.

It's Prodos-based, but only uses 64K, so by loading the editor and my source into the RAM disk, my compiles and editing sessions were really quick. They claim to be twice as fast as Turbo Pascal and four times the speed of Apple UCSD Pascal. You can have include files, and in-line

assembly language.

 However, you are getting a $69.95 package, and not the $250 UCSD stuff,
and it shows. I haven't encountered any bugs, yet, but I've found several
"annoyances." For example, errors on the command line are met with "PRODOS
ERROR " and a hexadecimal Prodos error code, a rather unfriendly error message.
The compiler takes command line options such as printing the assembler code
as the Pascal is compiled (a really nice feature in my opinion), dumping
the error messages to a specific device, and sending the object code to a
specified file or eliminating it completely. Unfortunately, the manual's
command-line examples do not work, and I discovered by trial-and-error that
only one option may be selected at a time, a limitation not mentioned in
the manual.

 Again, thanks for all the help.
    Mark
--
Mark Guzdial
{ihnp4, houxm}!nvuxf!markg
(201) 949-5471

From 2637606038833495406
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce2a9a0d814586fb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-30 08:45:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utastro.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!ut-sally!utastro!blake
From: blake@utastro.UUCP (R. Blake Farenthold)
Newsgroups: net.micro.apple
Subject: BBS software for][c
Message-ID: <159@utastro.UUCP>
Date: Thu, 30-May-85 11:45:50 EDT
Article-I.D.: utastro.159
Posted: Thu May 30 11:45:50 1985
Date-Received: Sat, 1-Jun-85 12:00:01 EDT
Distribution: net
Organization: U. Texas, Astronomy, Austin, TX
Lines: 17

Does anyone out in net land know of a BBS program that works on an
Apple][c?

I have a friend who is looking to start one, but all of the software
seems to be written for either a Hayse Micromodem 2e or an Applecat,
both of which require slots. Unfortunantly Mr. Jobs doesn't like
slots any more.

Your E-mailed responses would be appriciated.

--
Blake Farenthold | CIS: 70070,521 | UUCP: {ut-sally,ut-ngp,noao}
P.O. Box 3027 | Source: TCX023 | !utastro!blake
Austin, TX 78764-3027 | Delphi: blake | ARPA: blake@utastro.UTEXAS.
BBS: 512-442-1116 | MCI: BFARENTHOLD | ARPA
     (1200/300) | Telex: 910333978 | ESL: 62806548

From 4985982045732949070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31e22ee2ec220ddc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-30 21:09:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: software timing
Message-ID: <207@uwai.UUCP>
Date: Fri, 31-May-85 00:09:29 EDT
Article-I.D.: uwai.207
Posted: Fri May 31 00:09:29 1985
Date-Received: Sat, 1-Jun-85 12:09:01 EDT
References: <117@nvuxf.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 89

I have a question/problem. I'm writing several timing routines in
software but they are a bit off and I can't figure out why. On a
1.023 MhZ Apple II there should be 1023 6502 cycles in a millisecond.
Below I have a routine that waits a number of milliseconds. Each
loop traversal takes up 1023 cycles (or one millisecond). I have
compared the time on a //e and II+ and against two Mountain Hardware
clocks and the clocks say that the wait routine is about 2.5 clock
cycles too slow (error rate of .25%). Why? Are the Mountain Hardware
clocks off by this much (has anyone testing them)? Is the Apple crystal
(or whatever sets the frequency) really 1.0205 MhZ? Am I doing something
really stupid in my software routine below?

-Thanks, david neves
Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

```
;; assm routine for Pascal  that waits a number of milliseconds
return  .equ    0
stopmsec .equ   2       ;timeout location

;; Wait for a specified number of Msecs
;; wait(msec);
;;
;; 1023 clock cycles in 1 msec
```

```
;; 24 + 5n - 1 = 1023, n = 200
        .proc wait,1

;; Note: pull and push are the standard pla, sta or lda, pha macros
;;   defined elsewhere.

        pull return
        pull stopmsec

        lda bfirst+1
        cmp blast+1
        bne bloop2    ;make sure one of the loops is in a page

bloop1  nop             ;2 clock cycles
        nop             ;2
        ldx #200.       ;2
bl1     dex             ;
        bne bl1         ;200 * 5 -1 (-1 for bne dropthough)
        dec stopmsec    ;5
        beq lzero1      ;2

        nop             ;2  ;same # as lzero1 (11 clock cycles)
        nop             ;2
        nop             ;2
        clc             ;2
        bcc bloop1      ;3

lzero1  dec stopmsec+1  ;5 + 1 (+1 for sucessful beq jump to lzero1)
        bmi ret         ;2
        bpl bloop1      ;3 - nops above take same time as lzero1
eloop1
;----------------
ret     push return
        rts

bfirst  .word bloop1
blast   .word eloop1

bloop2  nop             ;2
        nop             ;2
        ldx #200.       ;2
bl2     dex             ;
        bne bl2         ;200 * 5 -1 (-1 for bne dropthough)
        dec stopmsec    ;5
        beq lzero2      ;2
        nop             ;2
        nop             ;2
        nop             ;2
        clc             ;2
        bcc bloop2      ;3

lzero2  dec stopmsec+1  ;5 + 1 (+1 for sucessful beq jump)
        bmi ret         ;2
```

```
        bpl bloop2      ;3 -

.end
```


--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 3788558802521457828
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9dfba397ed2d20d0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-30 21:36:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: First Class Periph. Sider query
Message-ID: <1368@ecsvax.UUCP>
Date: Fri, 31-May-85 00:36:53 EDT
Article-I.D.: ecsvax.1368
Posted: Fri May 31 00:36:53 1985
Date-Received: Sat, 1-Jun-85 05:51:03 EDT
Organization: NC Educational Computing Service
Lines: 15

Now that the hoopla has died down, I would like to
know just how good/bad the Sider 10Mb drive is with
the Apple. To wit:

 * Any problems?
 * Does it really work with DOS3.3,Prodos,CP/M2.2,Pascal?
 * How easily do the aforementioned op systems co-exist?
 * How easily can you boot from one system to the other?

   .. please mail responses to:

                          Charles Lord
                        ...!decvax!mcnc!ecsvax!cjl
 THANKS!

From 304856490470675153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9badd798cf4efa4d,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-05-31 10:36:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Egbert Communications Package
Message-ID: <2697@harpo.UUCP>
Date: Fri, 31-May-85 13:36:50 EDT
Article-I.D.: harpo.2697
Posted: Fri May 31 13:36:50 1985
Date-Received: Sun, 2-Jun-85 07:16:10 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 6
Nf-ID: #N::37600021:000:117
Nf-From: !bob   May 31 13:36:00 1985

Has anyone tried the RTTY/CW/ASCII package for the Apple][called Egbert?
I would be interested in any comments.
.

From -149794556657871778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9badd798cf4efa4d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-31 12:20:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!harvard!talcott!panda!genrad!decvax!
harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Egbert Communications Package
Message-ID: <2698@harpo.UUCP>
Date: Fri, 31-May-85 15:20:26 EDT
Article-I.D.: harpo.2698
Posted: Fri May 31 15:20:26 1985
Date-Received: Sun, 2-Jun-85 07:12:12 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 6
Nf-ID: #N::37600021:000:117
Nf-From: !bob   May 31 13:36:00 1985

Has anyone tried the RTTY/CW/ASCII package for the Apple][called Egbert?
I would be interested in any comments.
.

From -100140145100866485

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d06f217f8808e6bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-31 13:43:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesnews 0.1 (unido 12/05/84); site unido.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!unido!vr0z05
From: vr0z05@unido.UUCP
Newsgroups: net.micro.apple
Subject: Interrupts in TURBO on Apple
Message-ID: <nf15600004@unido.UUCP>
Date: Fri, 31-May-85 16:43:00 EDT
Article-I.D.: unido.nf15600004
Posted: Fri May 31 16:43:00 1985
Date-Received: Mon, 3-Jun-85 00:29:12 EDT
Sender: notes@unido.UUCP
Lines: 27
Nf-ID: #N:unido:15600004:000:748
Nf-From: unido!vr0z05   May 31 18:43:00 1985

Hi folks,

I have a question on Turb-Pascal.

Has anybody out there tried to write interrupt procedures
in Turbo-Pascal on CP/M 2.23 on an Apple II+ with a
Microsoft Softcard. Has anybody tried to write interrupt
procedures on the same configuration in assembler. I have
tried it, but the documentation seems to be not
always correct in the parts about machine-level and
interrupt programming, so my program doesn't work correct.

I'm interested in any help how to catch the interrupts on
both processors (6502 - Apple / Z80 - MS-Softcard) correct.

Thanks in advance

Uwe Hoch
Computer Science Department
University of Dortmund
4600 Dortmund 50
P.O. Box 500500
West Germany

E-mail address UUCP: ...!mcvax!unido!vr0z05

From 8701948071242483799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686,start

X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-01 16:42:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!rocksanne!rocksvax!sunybcs!wahl
From: wahl@sunybcs.UUCP (Norman Wahl)
Newsgroups: net.micro,net.micro.apple
Subject: Is there a micro vi?
Message-ID: <1745@sunybcs.UUCP>
Date: Sat, 1-Jun-85 19:42:50 EDT
Article-I.D.: sunybcs.1745
Posted: Sat Jun 1 19:42:50 1985
Date-Received: Mon, 3-Jun-85 00:28:17 EDT
Distribution: na
Organization: SUNY/Buffalo Computer Science
Lines: 17
Xref: linus net.micro:9373 net.micro.apple:1628

     It's frustrating to have to use several different editors for different terminals, different computers and different purposes. After spending the day using vi, then ed, then a lisp editor, then a Cyber line editor, it's embarrassing to volunteer to help your relatives type their term papers on your home micro and then not remember the first thing about how to use it.
     In thinking about what would be a good home word processing program, then, I realized that if vi were implemented for micros, this problem would be solved. Also, vi is simply an excellent editor in its own right.
     Does anyone know:
     -Is it legal to create a micro editor which has the same command formats (or, realistically, a good subset thereof) as vi?
     -Has it been done, commercially or privately, and for which micro(s)? I'm interested in getting one, or writing one, for the Apple][+ myself.
     I'll summarize mail responses to the net, if warranted. Thanks.
Norm Wahl
University of Buffalo

From 1679521090972212389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,984ea1bb48e041ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-01 18:26:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ncoast.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!
cwruecmp!hal!ncoast!chandave
From: chandave@ncoast.UUCP (Davy Chan)
Newsgroups: net.micro.apple
Subject: Apple IIe and Gerbert Signmaker
Message-ID: <724@ncoast.UUCP>
Date: Sat, 1-Jun-85 21:26:40 EDT
Article-I.D.: ncoast.724
Posted: Sat Jun 1 21:26:40 1985

Date-Received: Thu, 6-Jun-85 11:52:45 EDT
Distribution: net
Organization: North Coast Xenix, Cleveland, OH
Lines: 10

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

Hello All,
     My company is planning to buy an Apple IIe to hook up with a Gerbert Signmaker IV. I was wondering if anyone else in net-land has heard about this or has any info on this subject.
See ya...

d.c.

From 2628244584188471234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-02 00:11:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <11209@brl-tgr.ARPA>
Date: Sun, 2-Jun-85 03:11:58 EDT
Article-I.D.: brl-tgr.11209
Posted: Sun Jun 2 03:11:58 1985
Date-Received: Mon, 3-Jun-85 00:35:03 EDT
References: <1745@sunybcs.UUCP>
Distribution: na
Organization: Ballistic Research Lab
Lines: 6
Xref: linus net.micro:9375 net.micro.apple:1630

There is no legal problem with creating a micro "vi" so long as you
do not use licensed source code to do so.

Manx Software Systems (the Aztec C people) have a vi-compatible
editor for the Apple II. I think their HQ is in Shrewsbury, NJ;
they advertise in some of the micro mags.

From 7371238687714310959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c45793e8646bbe9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-02 08:54:27 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxk.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!mhuxt!mhuxr!ihnp4!ihuxk!
dcl55611
From: dcl55611@ihuxk.UUCP (D. C. Lazar)
Newsgroups: net.micro.apple
Subject: Wordstar/Appli-Card offer query
Message-ID: <970@ihuxk.UUCP>
Date: Sun, 2-Jun-85 11:54:27 EDT
Article-I.D.: ihuxk.970
Posted: Sun Jun 2 11:54:27 1985
Date-Received: Tue, 4-Jun-85 05:26:49 EDT
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 24

()

I recently received an advertisement from Broadreach
for Wordstar and the Appli-Card CP/M card for $164.95.

It lists features of the Aooli-Card, but doesn't specify
whether all the software and manuals necessary to use
the features are included in the package.

If anyone has experience with the Appli-Card, or this offer,
please send me your opinion.

In particular, does the 6Mhz Appli-card run all CP/M software?
Are preboots needed?
Is the manual sufficient to learn CP/M?
Are there needed utilities that are not included with Appli-Card?
The ad says the 64K ram on the card can be used as
RAM/Disk for DOS3.3. Has anyone used the Applicard in
this way?

Thanks,

     David Lazar
     ihuxk!dcl55611

From -1156541772584601154
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-02 19:03:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utastro.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!ut-sally!utastro!nather
From: nather@utastro.UUCP (Ed Nather)

Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <178@utastro.UUCP>
Date: Sun, 2-Jun-85 22:03:02 EDT
Article-I.D.: utastro.178
Posted: Sun Jun 2 22:03:02 1985
Date-Received: Tue, 4-Jun-85 00:32:01 EDT
References: <1745@sunybcs.UUCP>
Distribution: na
Organization: U. Texas, Astronomy, Austin, TX
Lines: 18
Xref: linus net.micro:9382 net.micro.apple:1631

> It's frustrating to have to use several different editors for different
> terminals, different computers and different purposes. [...]
> Norm Wahl
> University of Buffalo

You might consider JOVE, a public domain version of the EMACS editor, which runs on the IBM PC under MS-DOS and 4.2bsd Unix, at least. I have not used it on 4.2bsd (yet) but it works well on the PC. It's large (ca. 100K) but far smaller than the PD EMACS from the GNU project, which is the full-blown version. Keyboard bindings are arbitrary in JOVE, but it lacks extensibility and LISP support ... in my view, an excellent tradeoff for size.

--
Ed Nather
Astronony Dept, U of Texas @ Austin
{allegra,ihnp4}!{noao,ut-sally}!utastro!nather
nather%utastro.UTEXAS@ut-sally.ARPA

From -7585351530303159984
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7ed5c5a13c2f5c9d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-02 22:57:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!etaoin
From: etaoin@ecsvax.UUCP (Michael J. Auman)
Newsgroups: net.micro.apple
Subject: Need][e Database/Filer Program
Message-ID: <1378@ecsvax.UUCP>
Date: Mon, 3-Jun-85 01:57:15 EDT
Article-I.D.: ecsvax.1378
Posted: Mon Jun 3 01:57:15 1985
Date-Received: Thu, 6-Jun-85 04:29:32 EDT
Organization: NC Educational Computing Service
Lines: 21

Help! I need some ideas for a good database/file manager for the Apple][e. Major requirements are these:

1) Flexibility of record format after set-up
2) Large field size (> 256 chars if possible)
3) 80 columns
4) Large number of records per file (~= 750 or so), which implies:
5) Spreading files over multiple disks
6) Optional: Upgradable to hard disk in the future; also
Compatible with Quark's Word Juggler vers. 2.8
7) Reasonable price, < $150 if at all possible.

My hardware config is][e w/80 cols, 128k, an Imagewriter, and DuoDisk drives. I can support UCSD Pascal 1.1, ProDOS and DOS 3.3.
Thanks in advance for your help! If you'll reply by e-mail, I will condense answers in a follow-up article.
Hopefully,
Michael Auman !decvax!mcnc!ecsvax!etaoin
--
Michael Auman !{akgua,decvax,philabs}!mcnc!ecsvax!etaoin

From 6632513209147863032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6d59696e37da7d7f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-03 11:38:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!utah-cs!e-smith
From: e-smith@utah-cs.UUCP (Eric L. Smith)
Newsgroups: net.micro.apple
Subject: Apple II hard disks for sale
Message-ID: <3363@utah-cs.UUCP>
Date: Mon, 3-Jun-85 14:38:27 EDT
Article-I.D.: utah-cs.3363
Posted: Mon Jun 3 14:38:27 1985
Date-Received: Tue, 4-Jun-85 07:57:13 EDT
Organization: University of Utah Ada-to-Silicon project
Lines: 18

Due to the amazing response to my previous posting (none!), I have lowered my asking price for the two hard disk drives for the Apple II to $450 each.

1) Corvus 6AP 5 Megabyte with controller, cables, manuals, and software for Apple DOS, Pascal, and Microsoft CP/M.

2) Apple Profile II 5 Megabyte with controller and cables. Works with Apple's ProDOS. Software available elsewhere for Pascal and Apple DOS.

If you are interested, send me a line. I would like to ship UPS COD for a cashier's check or money order, but other arrangements can be made.
--

Eric L. Smith (801) 581-8100 e-smith@utah-cs.arpa ...decvax!utah-cs!e-smith
3118 Merrill Engineering, University of Utah, Salt Lake City, UT 84112

The opinions expressed herein do not necessarily represent those of the
University of Utah, my friends, enemies, computer, or even me. :-)

From 782260479070496968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd12c9807910e4ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-03 12:51:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!henry
From: henry@rochester.UUCP
Newsgroups: net.micro.apple
Subject: RE: Wither Steve Jobs
Message-ID: <10016@rochester.UUCP>
Date: Mon, 3-Jun-85 15:51:44 EDT
Article-I.D.: rocheste.10016
Posted: Mon Jun 3 15:51:44 1985
Date-Received: Tue, 4-Jun-85 08:01:44 EDT
Sender: henry@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 15

From: Henry.Kautz

...
>quarters profits were only 16 cents per share. Apple is seeking new talent
>and has hired a new director of marketing for ts Apple II. He is Michael
>K. Lorelli, formerly a marketeer with International Playtex Inc's tampon
>group (seriously!).

Ok, here's the punchline-of-the-month contest: Why is an Apple II like
a tampon? Send your answers to net.jokes ---
---- Henry Kautz
     :uucp: {seismo|allegra}!rochester!henry
     :arpa: henry@rochester
     :mail: Dept. of Comp. Sci., U. of Rochester, NY 14627
     :phone: (716) 275-5766

From 3317816359550587612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9dfba397ed2d20d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-03 14:07:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!strauss

From: strauss@utai.UUCP (Patrick E. Strauss)
Newsgroups: net.micro.apple
Subject: Re: First Class Periph. Sider query
Message-ID: <537@utai.UUCP>
Date: Mon, 3-Jun-85 17:07:34 EDT
Article-I.D.: utai.537
Posted: Mon Jun 3 17:07:34 1985
Date-Received: Mon, 3-Jun-85 17:27:45 EDT
References: <1368@ecsvax.UUCP>
Organization: CSRI, University of Toronto
Lines: 20

>
> Now that the hoopla has died down, I would like to
> know just how good/bad the Sider 10Mb drive is with
> the Apple. To wit:
>
> * Any problems?
> * Does it really work with DOS3.3,Prodos,CP/M2.2,Pascal?
> * How easily do the aforementioned op systems co-exist?
> * How easily can you boot from one system to the other?
>
>   .. please mail responses to:
>
>   Charles Lord
>   ...!decvax!mcnc!ecsvax!cjl
> THANKS!

Please post the responses in net.micro.apple, since I am sure that very
many people (including myself) are also very interested! Thanks

Patrick Strauss

From 1052564063010113342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c45793e8646bbe9
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,2b857cfb164476d0,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1985-06-03 15:00:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: Wordstar/Appli-Card offer query
Message-ID: <536@sftig.UUCP>
Date: Mon, 3-Jun-85 18:00:15 EDT
Article-I.D.: sftig.536
Posted: Mon Jun 3 18:00:15 1985
Date-Received: Thu, 6-Jun-85 02:19:11 EDT
References: <970@ihuxk.UUCP>

Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 132
Xref: watmath net.micro.apple:1950 net.micro.cpm:4206

The time has come for me to summarize what I have learned about the PCPI Applicard for all you folks out there who have helped me in my search for information.

First -- The manuals that come with the Starcard (The name for the Applicard when it is bundled with Wordstar.) are full of typos and not exceedingly detailed. If you can read around the typos, they are reasonably good cook-books for getting CPM and Wordstar up and running, but they will not make a CPM hacker out of you. I have not heard that PCPI's own manuals are any better. All is not completely lost though, because there is a friendly person at the end of a PCPI technical hot-line who can send you xerox copies of various napkins (and such) on on which the software/hardware developers have scribbled down the real poop. In addition, there is an 'OEM Package' that PCPI will sell you for 50 bucks which consists of a double-sided disk full of software and about 35 pages of badly xeroxed notes. The above mentioned napkins are in addition to these notes, and necessary for a real understanding of what is going on. If you have looked at all of the above and are still curious about what is going on, you can offer to sign a non-disclosure agreement, and they may consent to send you the source code for the various drivers. Then again, they may not. I haven't gotten my copy of the non-disclosure agreement yet, so I don't know how stringent it is, or what happens after you sign it and send it back to them.

Second -- It runs CPM2.2 just great. I have Turbo Pascal for CPM/80 running on it and am much impressed with the speed and convenience of the package. The 6MHZ Z80B processor is *FAST*. On the other hand, since the Z80 and the 6502 do not share any memory, (The Z80 has its own 64K of fast DRAM. You can buy a piggy-back card that will expand it to about a half-Meg) the communication between the two cpu's is restricted to a single one-byte-wide I/O port and a couple of flag bits. Even with a dedicated server running on the 6502, this means that the Z80 can't write on the Apple's 80col screen at higher than a few hundred characters/second. (Disk accesses are significantly faster, because they use block-mode transfers in which the Z80 tells the 6502 how many characters to expect then sends them all in a burst. Character devices like the 80col screen are restricted to a single byte at a time, so the overhead is much higher.) Since the nitty-gritty I/O is all handled by the 6502 side, the BIOS on the Z80 side can afford to be very small. This leads to a remarkably large 57K Transient Program Area. You can run larger programs on it than you can on the Microsoft card. (Further comments on differences between this card and the Microsoft card later.)

Third -- The terminal emulator that runs on the 6502 side and manipulates the Apple 80col screen is excessively dumb. It seems to lack character/line insert/delete sequences. If anybody knows differently, please speak up. It hurts to watch the screen get repainted just to insert a line at the top. I sincerely hope that this is just a misfeature of the Turbo Pascal editor, which I otherwise like very much.

Fourth -- it is *not* compatible with the Microsoft CPM card. It will not run anything that assumes hardware features of that card. However, it *will* run just about any generic CPM program, of which there are a multitude! The price you pay for the blazingly fast CPU is incompatibility with the 'standard' Microsoft card. The worst part of this is that it will not run the drivers that give you access to the Profile hard disk from CPM. (Does anybody know if the Sider has a driver that runs on the Applicard?) The person on the hot-line hinted that PCPI would sell you a driver written by someone in Australia that gave the Applicard access to a Profile, but he didn't make it sound like it was compatible with much. In particular, I think he said that if you used that driver, you couldn't use your Profile with Prodos. He didn't know for sure, but I expect that there is no provision for partitioning the disk. I asked about software from third-party sources, but (while he said they did keep a registry of such) he couldn't point me at anybody who could help me with my specific problems. Which brings me to --

Fifth -- They supply a driver that runs under DOS3.3 and turns the Applicard into a ramdisk, with up to a half meg of memory if you buy the piggyback cards (300 bucks for 256K -- a trifle expensive for today's market -- maybe mailorder places have them cheaper.) However, they do not supply a corresponding driver for Prodos. I assume that the Prodos driver would be a snap, given the code for the DOS3.3 driver, but nobody at PCPI has seen fit to do it yet. Sounds like a market for a 3rd party in there somewhere! I have used the DOS3.3 driver, it works very well.

Sixth and finally -- They supply a printer driver that uses the left-over 6502-side ram (including the Alternate bank on the 80-column card, if one exists) as a printer buffer (up to 80K in my configuration, IIe with extended 80 Column color card.) But it seems to me that a much better use for that memory would be as a ramdisk for CPM (with maybe a 16K buffer reserved for the printer driver.) The tech-support hot-line person did not know of any such driver -- sounds like another 3rd party opportunity!

>
> I recently received an advertisement from Broadreach
> for Wordstar and the Appli-Card CP/M card for $164.95.

This is a very good price!

> It lists features of the Appli-Card, but doesn't specify
> whether all the software and manuals necessary to use
> the features are included in the package.

If this is the Micropro Starcard package, they are included, but see above. The manuals are not very detailed.

> If anyone has experience with the Appli-Card, or this offer,
> please send me your opinion.
>
> In particular, does the 6Mhz Appli-card run all CP/M software?

> Are preboots needed?

Runs everything I have come across, but I have not experimented widely.
Also, see above regarding Microsoft compatibility.

> Is the manual sufficient to learn CP/M?

No. Go buy a good book. Don't count on the manuals.

> Are there needed utilities that are not included with Appli-Card?

Everything you need to configure it and get CPM up and running is included.
There is the DRI assembler and editor and DDT (and PIP and stat, and so on)
but no 'higher level' languages. I recommend buying Turbo Pascal.

> The ad says the 64K ram on the card can be used as
> RAM/Disk for DOS3.3. Has anyone used the Applicard in
> this way?

Yes, see above.

>
> Thanks,
>
>   David Lazar
>   ihuxk!dcl55611

Rick Thomas
{ihnp4,akgua,sdcsvax,just about anywhere}!attunix!rbt
(201)-522-6062

From -2163223477515797194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9dfba397ed2d20d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-03 16:04:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sipunix.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
whuxlm!whuxl!houxm!ihnp4!stolaf!umn-cs!mmm!unison!sipunix!meier
From: meier@sipunix.UUCP (C Michael Meier)
Newsgroups: net.micro.apple
Subject: Re: First Class Periph. Sider query
Message-ID: <743@sipunix.UUCP>
Date: Mon, 3-Jun-85 19:04:08 EDT
Article-I.D.: sipunix.743
Posted: Mon Jun 3 19:04:08 1985
Date-Received: Mon, 10-Jun-85 01:32:31 EDT
References: <1368@ecsvax.UUCP>
Organization: Honeywell SRC (SIP), Mpls MN
Lines: 6

Can the Sider info be posted (again?), instead of mailed? I for one
missed anything about it so far, because we just netted up. I would
appreciate it if this is done. (Or better yet, C Lord mail it to me?)

Thanks..

Christopher Meier

From -1928900409083569588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-03 22:46:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site Shasta.ARPA
Path: utzoo!decvax!decwrl!Shasta!gus
From: gus@Shasta.ARPA
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <5921@Shasta.ARPA>
Date: Tue, 4-Jun-85 01:46:59 EDT
Article-I.D.: Shasta.5921
Posted: Tue Jun 4 01:46:59 1985
Date-Received: Tue, 4-Jun-85 06:48:25 EDT
References: <1745@sunybcs.UUCP>
Distribution: na
Organization: Stanford University
Lines: 22

>
>   It's frustrating to have to use several different editors for different
> terminals, different computers and different purposes. After spending the
> day using vi, then ed, then a lisp editor, then a Cyber line editor, it's
> embarrassing to volunteer to help your relatives type their term papers on
> your home micro and then not remember the first thing about how to use it.

The Manx/Aztec C compiler for the Apple II contains a Ved editor which is
essentially a stripped down version of Vi.

Unfortunately, the text files it produces have the high order bit of
each byte set to 0 (like the rest of the world) instead of 1, like most
Apple II text files. I wrote a conversion program. (trivial C program)
but it is still a pain to convert.

Also, what do you plan to do with your text file once you write it?

Most Apple II text processors come with their own built-in editors. Text
file manipulation of Apple II's is generally chaotic as many firms use their
own private binary formats.

Gus Fernandez

From 3439269741887513890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b4bde59982c0686
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b4bde59982c0686
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-06-04 07:11:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekig4.UUCP
Path: utzoo!linus!decvax!tektronix!tekig5!tekig4!rosalia
From: rosalia@tekig4.UUCP (Mark Galassi)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Is there a micro vi?
Message-ID: <117@tekig4.UUCP>
Date: Tue, 4-Jun-85 10:11:06 EDT
Article-I.D.: tekig4.117
Posted: Tue Jun 4 10:11:06 1985
Date-Received: Mon, 12-Aug-85 06:10:32 EDT
References: <1745@sunybcs.UUCP>
Reply-To: rosalia@tekig4.UUCP (Mark Galassi)
Organization: Tektronix, Beaverton OR
Lines: 19

In article <1745@sunybcs.UUCP> wahl@sunybcs.UUCP (Norman Wahl) writes:
>   Does anyone know:
>   -Is it legal to create a micro editor which has the same command
>formats (or, realistically, a good subset thereof) as vi?
>   -Has it been done, commercially or privately, and for which micro(s)?
>I'm interested in getting one, or writing one, for the Apple][+ myself.
>Norm Wahl
>University of Buffalo

There is a very good subset of vi which runs on the Macintosh
with the Aztec C compiler, or on IBM PCs (bleah!) with MS-DOS.
It is called 'z', marketed bu Manx Software, and you will find
it hard to find a command which vi has and it doesn't. It is
just missing a couple of the 'ex' underlying commands. It will
yank text, redraw screen, read files, it does everything I use.
I don't know if it exists for the Apple][, but as you see, it is
available for micros. Good luck,
                  Mark Galassi
                 tektronix!tekig4!rosalia

From 3372241422027274657
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 117b2d,85117a620ba450d7,start
X-Google-Attributes: gid117b2d,public
X-Google-Thread: 1622d3,85117a620ba450d7,start

X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,85117a620ba450d7,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-06-04 15:22:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site kuling.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!
harvard!seismo!mcvax!enea!kuling!hans
From: hans@kuling.UUCP (Hans Eriksson)
Newsgroups: net.lan,net.micro.mac,net.micro.apple
Subject: A Sun as a Fileserver on AppleTalk
Message-ID: <768@kuling.UUCP>
Date: Tue, 4-Jun-85 18:22:19 EDT
Article-I.D.: kuling.768
Posted: Tue Jun 4 18:22:19 1985
Date-Received: Sun, 9-Jun-85 01:30:02 EDT
Reply-To: hans@kuling.UUCP (Hans Eriksson)
Organization: Computer Systems Laboratory, Upsala
Lines: 18
Keywords: MacIntosh, Sun, File Server
Xref: watmath net.lan:850 net.micro.mac:1626 net.micro.apple:1953

We are about to buy a couple of MacIntosh and Sun-2. The Macs are to be
connected via AppleTalk. Now I wonder the following:

1. In a posting Aug 28, 1984, a specification for the hardware for an
   Applebus - Ethernet Gateway by Bill Croft & Nick Veizades, Stanford
   Sumex project. Is that still the best way to go? Is there any
   commersial products that makes a Sun with the Multibus to talk to
   AppleNet?

2. If we can make the Sun talk to the AppleNet, we want to make the Sun
   to act as a FileServer for the MacIntoshes. Has anybody done that?
   Has anybody tried? Anything we should be aware of?

Somehow I think someone must have thought about this before so I try the
net. I hope for an answer, positive or negative.

Hans Eriksson

From 1876954297242694254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 117b2d,147a587be1018503,start
X-Google-Attributes: gid117b2d,public
X-Google-Thread: 152df8,147a587be1018503,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,147a587be1018503,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-04 15:44:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site kuling.UUCP

Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!
harvard!seismo!mcvax!enea!kuling!hans
From: hans@kuling.UUCP (Hans Eriksson)
Newsgroups: net.lan,net.micro.mac,net.micro.apple
Subject: Remote terminal access via AppleTalk
Message-ID: <769@kuling.UUCP>
Date: Tue, 4-Jun-85 18:44:01 EDT
Article-I.D.: kuling.769
Posted: Tue Jun 4 18:44:01 1985
Date-Received: Sun, 9-Jun-85 01:30:27 EDT
Reply-To: hans@kuling.UUCP (Hans Eriksson)
Organization: Computer Systems Laboratory, Upsala
Lines: 32
Keywords: Mac, Sun, AppleTalk, Terminal access
Xref: watmath net.lan:851 net.micro.mac:1627 net.micro.apple:1954

We will soon have a couple of dozens of MacIntosh connected to some
AppleNets (or is it named AppleTalk?). Hopefully we will be able to connect
them to a Sun acting as a file server.

But aside from fileaccess we also want to have terminal access to the Sun
(or to any machine in the house). I do NOT want to lay out cables from every
Mac to the host or to any centralized switch. Every room will be passed by
an ethernetcable and an AppleNet. So the abvious solution is to connect the
Mac (or any common async terminal) to one of the nets.

But the black boxes that connect a asyncrounous terminal to ethernet is
rather expensive. I want to be able to use any kind of host at the other
end, i.e. the solution with Dec LAT and Decnet is not possible. Also I
want 1 (one) box to 1 (one) terminal it would be rather expensive.

So what about the other net, AppleNet? Low-speed and low-cost... Has anybody
made some kind of black box that takes the asyncounous bytes and packs them
into an AppleNet packet, send them away to an unpacker which presents the
bytes asyncrounously to some kind of host? Those boxes must be much cheaper
than Ethernetboxes, but how cheap?

Maybe some patching can be done in a Mac to steal the bytes to be output on
the ttyport and send them via the AppleNet (after some packaging of course).
Maybe the AppleNet to Multibus i/f I am looking for in an other article and
some smart driver in the Sun will make it.

Anybody in the same thoughts? Anybody done it? Anybody interested if we make
it?

I summarize any answers to the net of course.

Hans

From -720019167068967811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,be02f2e020e47658,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-05 07:06:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site wateng.UUCP
Path: utzoo!watmath!wateng!ppavlik
From: ppavlik@wateng.UUCP (Petr Pavlik)
Newsgroups: net.micro.apple
Subject: CMP/60 critical timing during boot
Message-ID: <2477@wateng.UUCP>
Date: Wed, 5-Jun-85 10:06:57 EDT
Article-I.D.: wateng.2477
Posted: Wed Jun 5 10:06:57 1985
Date-Received: Thu, 6-Jun-85 00:24:57 EDT
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 12

Has anybody had timing problems using the CP/M Softcard? I have
built the II+ revision RFI clone and have full documentation for
both motherboard and Softcard. Whether CP/M 60 boots or not
depends on tolerances of many chips on the: motherboard, +16k,
Softcard, and even VIDEX card. Some configurations work. The
problem occurs while booting, it is hard to trace anything.
Some people say, that the Softcard has a critical timing. Does
anybody know what measurable signal is critical, or has anybody
had a similar experience?
--
     Peter Pavlik (U of Waterloo VLSI Group, Waterloo Ont.)
     {allegra,clyde,decvax,ihnp4,utzoo}!watmath!wateng!ppavlik

From 8145130776041218777
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31e22ee2ec220ddc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-05 08:48:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
genrad!panda!talcott!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Re: software timing
Message-ID: <209@uwai.UUCP>
Date: Wed, 5-Jun-85 11:48:58 EDT
Article-I.D.: uwai.209
Posted: Wed Jun 5 11:48:58 1985
Date-Received: Sat, 8-Jun-85 03:18:29 EDT
References: <117@nvuxf.UUCP> <207@uwai.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 70

Enclosed is an interesting message I received in response to my problem

with software timing routines on the Apple. I think you will find it
interesting if you need to do anything similar.

From: holmer%ucbdali@Berkeley (Bruce K. Holmer)
Message-Id: <8506051120.AA25988@ucbdali.ARPA>
To: neves@uwvax
Subject: apple timing
Cc: holmer%ucbdali@Berkeley
Status: R

> I have a question/problem. I'm writing several timing routines in
> software but they are a bit off and I can't figure out why. On a
> 1.023 MHz Apple II there should be 1023 6502 cycles in a millisecond.
> Below I have a routine that waits a number of milliseconds. Each
> loop traversal takes up 1023 cycles (or one millisecond). I have
> compared the time on a //e and II+ against two Mountain Hardware
> clocks and the clocks say that the wait routine is about 2.5 clock
> cycles too slow (error rate of .25%). Why? Are the Mountain Hardware
> clocks off by this much (has anyone testing them)? Is the Apple crystal
> (or whatever sets the frequency) really 1.0205 MHz? Am I doing something
> really stupid in my software routine below?

David Neves:

I too was once puzzled by seeming timing discrepancies. While showing my computer and Mountain Music synthesizer cards to my piano tuner, he commented on the pitch being slightly off. He got out his old-fashioned strobe tuner, and I poked various values into the frequency register on the synthesizer card until I hit 440 Hz. Later my calculations showed that the apple was running at 1.0205 MHz, yet the note tables had all been calculated using 1.023 MHz. It was a mystery to me until I read "Understanding the Apple II" by Jim Sather. Here I quote Mr. Sather.

> The timing feedback from the video scanner elongates
> one system clock period at the end of each horizontal
> television scan. This elongation is necessary to keep
> colors consistent from scan to scan. It also means the
> clock period of the 6502 is not constant but is
> elongated on every 65th cycle. (p. 3-2)
>
> The composite frequency of the Apple is 1.0205 MHz.
> 1.0205 is the result of 14.31818*(65/(65*14+2))....
> This is the value which should be used for computing
> exact time durations of Apple programs....
> When possible, [program] loops should be written in
> multiples of 65 cycles. This will eliminate loop
> output jitter. Otherwise the application must be able
> to tolerate a 140 nanosecond jitter. 140 nanoseconds
> is the difference between a normal cycle and a long
> cycle. (p. 3-18)

Mr. Sather goes into much more detail. Actually Sather's book
is a must for all serious Apple hackers. Although it is for
the II and II+, many sections still hold for the IIe. Also, I think
that Mr. Sather now has a book just for the IIe.

Hope I've helped,   Bruce Holmer
                        holmer@ucbdali

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 1926433599378375727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5ca248645cd639c0,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5ca248645cd639c0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-06-06 09:53:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!tektronix!hplabs!
intelca!qantel!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro,net.micro.apple
Subject: Re: EPROM Programmmers
Message-ID: <185@ski.UUCP>
Date: Thu, 6-Jun-85 12:53:14 EDT
Article-I.D.: ski.185
Posted: Thu Jun 6 12:53:14 1985
Date-Received: Mon, 10-Jun-85 21:10:19 EDT
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 27
Xref: watmath net.micro:10718 net.micro.apple:1957

In reply to a usenet inquiry about EPROM Programmers:

Short of the expensive professional systems, there are a number of
them that I know of. Some are for internal use as an expansion board
in the Apple][series.

     Jameco Electronics (Belmont, CA) has a fairly expensive (and
     extensive) system. It does 8k to 64k, and costs $995.
     With RS232c interface option, cost is $1195.
     An IBC-PC Communications Program for it is $50.

The following (but not exclusive list of) companies have Apple plug-in

boards:

     JDR Microdevices ($79.95) 16k to 128k

     Southern California Research Group ($149.50) 16k to 512k
          (we have used this one here, without incident)
          (we have used this one here, without incidp
     Supreme Wholesale (in San Jose) ($59) -no information

--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ucbvax,dual,sun}!twg!ski!dr
              dual!ptsfa!ski!dr

From 4364677705072019025
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 129c11,571a76e9d70fa63f,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 08:35:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.games,net.micro.apple,net.micro
Subject: Re: Software Piracy
Message-ID: <510@sftig.UUCP>
Date: Mon, 8-Apr-85 11:35:18 EST
Article-I.D.: sftig.510
Posted: Mon Apr 8 11:35:18 1985
Date-Received: Tue, 9-Apr-85 20:01:17 EST
References: <324@cmu-cs-spice.ARPA> <7171@watdaisy.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 54
Xref: watmath net.games:1802 net.micro.apple:1868 net.micro:9971

> I read in a current medical journal (my wife is a doctor) that someone
> had come up with a clever solution to piracy... They give out software for
> free, and urge that it be distributed.. The rider is that the software
> contains a header notice inviting all users to contribute to the development
> of additional software (if they liked the product) by making a charitable
> donation to the developers of the software...
> Frankly, I strongly suspect that most receivers of under-the-counter software
> would be glad to contribute to the developers but don't have any reasonable
> way of doing it. However, most people hate parting with cash too....
> Overall, this seems like a risky venture but probably no riskier than any other
> distribution method. As said earlier I market bridge and cribbage software

> for the P.C. and my advertising is current over $1,000 for 7 small lines in
> the blue book of P.C. for 6 issues.. That alone has put me out of business
> since sales are at around 100 copies.
> If anyone likes the above copy-protection idea send mail to me..
> I don't read net.games as much as I should.... all work and no play...

To: watmath!watdaisy!ijdavis
Subject: Re: Software Piracy
In-reply-to: your article <7171@watdaisy.UUCP>

The distribution technique you describe is sometimes called 'share-ware'
and I have seen a few things distributed that way. I like the idea very much.

Usually, the appeal for contributions includes a promise of some kind of
support for those who send in their money. To further sweeten the pot, I have
heard of at a variation on the 'support' theme in which you send in your money
along with a copy of the diskette you are using. The author will send it back
with the 'latest' version and a 'unique serial number' electronically encoded.
(A time and date stamp would do fine for a serial number). The person who
owns the serial number on the disk you sent in then gets a cut from
your contribution. Anybody you give a copy of your own diskette to who sends
in his contribution will wind up paying you a 'sales commission' just like you
paid the person who owned the copy you sent in. The beauty of this scheme is
that pirates make *no* money from it. They actually wind up *helping* the
authors and legitimate users to get their fair share by providing the widest
possible distribution.

The biggest problem (assuming that you have a quality product, that will sell
itself to anyone who gets to play with it for a while.) is getting a wide
enough initial distribution.

Net.sources doesn't seem to be the ideal method (very likely flames from
people on the net about commercial use of the medium, etc.) Maybe a short
note in net.general and net.wanted describing the 'product' and offering
to send a (free) copy of your shareware for evaluation to people who mail you
a stamped self addressed floppy.

The users on other bulletin board systems may not be so touchy as the netnews
folks.
Maybe the 'private' BBS's are the right way to get something like this started.

Rick Thomas
ihnp4!attunix!rbt

From -6428780413729906645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,73a513ebb9369026
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,73a513ebb9369026
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 09:24:19 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site terak.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!noao!terak!doug
From: doug@terak.UUCP (Doug Pardee)
Newsgroups: net.micro.apple,net.wanted
Subject: Re: 65802 availability?
Message-ID: <490@terak.UUCP>
Date: Mon, 8-Apr-85 12:24:19 EST
Article-I.D.: terak.490
Posted: Mon Apr 8 12:24:19 1985
Date-Received: Thu, 11-Apr-85 04:24:49 EST
References: <1385@sdcc7.UUCP>
Organization: Terak Corporation, Scottsdale, AZ, USA
Lines: 14
Xref: linus net.micro.apple:1529 net.wanted:5283

> Does anyone know where I can find a 65802 microprocessor?
> (That's the 8/16 bit super-chip that replaces a 6502)
> I'd be grateful if you could put me onto a distributor,
> or if anyone has the address of Western Digital Design.

There seems to be nobody in the world who knows that the 65802 is
not a product of Western Digital. Even the trade papers get it
wrong!

The 65802 is a product of Western Design Center, in Mesa, Arizona.

I don't know if it's available yet or not.
--
Doug Pardee -- Terak Corp. -- !{hao,ihnp4,decvax}!noao!terak!doug

From -1813350104208907006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,931a3f666944f46f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 09:54:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site spp2.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!trwrb!trwspp!spp2!barbay
From: barbay@spp2.UUCP (Chris Barbay)
Newsgroups: net.micro.apple
Subject: Pascal & C compilers for the //c...
Message-ID: <525@spp2.UUCP>
Date: Mon, 8-Apr-85 12:54:20 EST
Article-I.D.: spp2.525
Posted: Mon Apr 8 12:54:20 1985
Date-Received: Wed, 10-Apr-85 00:34:24 EST
Distribution: na
Organization: TRW, Redondo Beach CA
Lines: 8

I have recently purchased an apple //c and I would

like any info anybody has on Pascal and/or C compilers.
What compiler is the best, what utilities come with
the compilers, which ones compile the fastest, which
ones generate the smallest object code?

Thanks in advance,
Chris Barbay

From 6059522762743281112
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,63e02369018cc1c3,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 1622d3,63e02369018cc1c3,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,63e02369018cc1c3,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1985-04-08 10:47:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site marlin.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!noscvax!marlin!rupp
From: rupp@marlin.UUCP
Newsgroups: net.wanted,net.micro.apple,net.unix
Subject: Want Kermit-65 on disk
Message-ID: <607@marlin.UUCP>
Date: Mon, 8-Apr-85 13:47:28 EST
Article-I.D.: marlin.607
Posted: Mon Apr 8 13:47:28 1985
Date-Received: Wed, 10-Apr-85 03:46:24 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego
Lines: 6
Xref: watmath net.wanted:6162 net.micro.apple:1872 net.unix:4182

I want to communicate with a UNIX 4.2 BSD system using my Apple II+.
I am told that Kermit-65 is my best bet for this, but that it is
better to get a copy on disk rather than try to download it. If anyone
can help me obtain Kermit-65 for the Apple on disk I would appreciate
it very much. I would be happy to send a blank disk. (I am assuming that
this software is PD.) Thanks!

From -8063431006588232761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b8a76caaee16746,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 12:41:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cbsck.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbsck!cla
From: cla@cbsck.UUCP (Craig Asplund)
Newsgroups: net.micro.apple
Subject: PRODOS /ram questions

Message-ID: <581@cbsck.UUCP>
Date: Mon, 8-Apr-85 15:41:36 EST
Article-I.D.: cbsck.581
Posted: Mon Apr 8 15:41:36 1985
Date-Received: Tue, 9-Apr-85 08:11:27 EST
Organization: AT&T Bell Laboratories <SCCS>, Columbus
Lines: 15

--
I wrote a ram disk driver for DOS3.3 and took care to not use the
hires graphics pages of the aux mem as disk areas (user optioned).
In looking at the PRODOS /ram disk area, they blow away the hires
pages for disk blocks, so you have a choice of double hires or /ram.
Does anyone out there know the memory mapping of the aux mem ram
disk so i can zap the sector-use bits to mark the high-res pages as
used? It would be very nice to have a smaller /ram AND have the
double hires areas...

--
Craig Asplund
[cbuxd! | cbscc!] cbsck!cla
AT&T-BL CB 2C241
(614)-860-3065 [8-353]-3065

From 5978383826326387464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9f532c3b90bbf971,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 16:48:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!tekig!jims
From: jims@tekig.UUCP (Jim Sells)
Newsgroups: net.micro.apple
Subject: Want 4014 Emulator for IIe
Message-ID: <2565@tekig.UUCP>
Date: Mon, 8-Apr-85 19:48:38 EST
Article-I.D.: tekig.2565
Posted: Mon Apr 8 19:48:38 1985
Date-Received: Wed, 10-Apr-85 06:32:07 EST
Organization: Tektronix, Beaverton OR
Lines: 10

Does anyone sell a Tektronix 4014 (or even 4010) graphics
terminal emulator program for the Apple IIe? I've seen such
programs for the Macintosh and IBMPC, but not for the II.

Any help would be appreciated. Please mail responses directly
to me. Thanks.

Jim Sells
tektronix!tekig!jims

From -8826242377178002893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c4c6bead250a6df5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-08 19:38:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hound.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hound!5132ts2
From: 5132ts2@hound.UUCP (T.SCHONFELD)
Newsgroups: net.micro.apple
Subject: IIC serial port commands
Message-ID: <1059@hound.UUCP>
Date: Mon, 8-Apr-85 22:38:42 EST
Article-I.D.: hound.1059
Posted: Mon Apr 8 22:38:42 1985
Date-Received: Tue, 9-Apr-85 08:34:30 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 5

Although Apple states that the IIC serial port is almost exactly the same as the Apple IIE Super Serial card, it is not. I am looking for the commands to the serial port that set line feeds on/off and control carriage return delay (nulls). I am referring to the Control-A command codes. Please send all responses to: ihnp4!hound!5132ts2 Thanks.

From -5082350528613068952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5498e80b8b139a3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-09 08:45:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP (D Gary Grady)
Newsgroups: net.micro.apple
Subject: Re: Copyrights and piracy
Message-ID: <994@ecsvax.UUCP>
Date: Tue, 9-Apr-85 11:45:41 EST
Article-I.D.: ecsvax.994
Posted: Tue Apr 9 11:45:41 1985
Date-Received: Thu, 11-Apr-85 02:23:41 EST
References: <1529@decwrl.UUCP>
Organization: Duke U Comp Ctr
Lines: 49

> Hence, unregistered works are not really protected. The
> instruction pamphlet that the Registrar of Copyrights supplies to those
> intending to register makes it clear that the whole point of registration is

> to provide you with just the proof you might need in court.

My assertion was in response to a posting claiming registration was in fact a prerequisite for a suit, which is simply not so. The claim that "unregistered works are not really protected" belied by a whole pile of case law. (A recent well-publicised example being the victory of Ellison and Bova over a television network.) In fact, the ability to register an unpublished work is an innovation less than a decade old. Please understand that I am not suggesting that registration is unwise as it leads to the practical advantage you describe and grants further rights under the statute (including punitive damages).

> > Copying a part of a book for limited use
> > is perfectly legal.
> Not necessarily. It is usually tolerated because enforcement of the copyright
> protection is not possible, but take a moment to read the notices in a couple
> of books
[...sample copyright notice and warning curse...]
> Such a statement is crystal clear - you copy my book, even one page, and if I
> find out about it I'll roast you over a slow fire.

I don't know about barbequing or compelled firewalking, but you'd have no standing in court. Like the ubiquitous NOT RESPONSIBLE FOR INJURIES... signs, the book notice has no legal force. A copyright page notice cannot rewrite the statute, which very explicitly says that you CAN copy portions of the work under the defined limits of fair use. Take a moment to read the statute, or the excellent American Library Association publication that also summarises the case law. (By the way, there is even a provision of MANDATORY licensing of some works, with royalty being set by a government tribunal.)

> The whole premise of intellectual property is just that - though such things
> are intangibles, ie, how do you weigh the thought required to produce a line
> of code, they are still very real. They are an actual investment made in
> expectation, or at least hope, of a return.
> Dick Binder (The Stainless Steel Rat)

Dear Stainless, I agree with you. Sorry I didn't make that sufficiently clear. What I was getting at was that there is nothing magical about rights to physical property. I consider intellectualy property every bit as "real" (in the philosophical, not legal, sense) as physical.
--
D Gary Grady
Duke U Comp Center, Durham, NC 27706
(919) 684-3695
USENET: {seismo,decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From -1708858946758745536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,f90a89e293e2f955
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,f90a89e293e2f955

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-09 15:41:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Re: Knight of Diamonds help wanted
Message-ID: <780@unmvax.UUCP>
Date: Tue, 9-Apr-85 18:41:38 EST
Article-I.D.: unmvax.780
Posted: Tue Apr 9 18:41:38 1985
Date-Received: Fri, 12-Apr-85 05:32:26 EST
References: <9788@brl-tgr.ARPA>
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 24
Xref: linus net.games:1296 net.micro.apple:1539

> I have all the clues on the 6th level of Knight of Diamonds
> but haven't been able to puzzle out the answer to the
> riddle of the Sphinx. The obvious things haven't worked.
> Hints or outright answers would be appreciated.
>   decvax!brl-bmd!gwyn   gwyn@brl.arpa

You sure you want the answer?

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh
--

   Stanly Steinberg
   Department of Mathematics and Statistics
   University of New Mexico
   Albuquerque, New Mexico 87131

uucp:
   {anl-mcs,convex,csu-cs,gatech,lanl,ogcvax,pur-ee,ucbvax}!unmvax!stanly
ARPA:
   unmvax!stanly@lanl.arpa

From -2975021875794677300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,afca95776583f09e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-09 16:53:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!intelca!qantel!dual!

ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Re: info on Aurora Systems wanted (re: an assembly lang. debugger)
Message-ID: <179@ski.UUCP>
Date: Tue, 9-Apr-85 19:53:24 EST
Article-I.D.: ski.179
Posted: Tue Apr 9 19:53:24 1985
Date-Received: Sun, 14-Apr-85 03:57:36 EST
References: <661@burl.UUCP>
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 20

> As I mentioned in an earlier posting, I am trying to locate an assembly
> language debugger for my Apple IIe. I did receive one response (from
> Patrick Hsieh -- thanks) which mentioned a 6502 debugger from Aurora
> Systems called Quicktrace (I am not exactly sure of the company name).

There are at least two ther ML debuggers I know of. One is callded
BUGBYTER, and I understand it is available on APPLE's DOS Toolkit
Disk, along with their EDASM assembler, font gen, etc.

Another is MUNCH-A-BUG, by Roger Wagner Publishing, PO Box 582,
Santee, CA 92071, (619)562-3670. It lists at $40, but I just ordered
it from Northeastern Software for $25. This has the same features
mentioned in the previous posting above.

--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
{ucbvax,dual,sun}!twg!ski!dr
dual!ptsfa!ski!dr

From 3037448316532040539
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14c70f,a608bac1273b099e,start
X-Google-Attributes: gid14c70f,public
X-Google-Thread: 1622d3,a608bac1273b099e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-10 07:30:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple,net.games.rogue
Subject: Rogue for Apple?
Message-ID: <13861@watmath.UUCP>
Date: Wed, 10-Apr-85 10:30:48 EST
Article-I.D.: watmath.13861
Posted: Wed Apr 10 10:30:48 1985

Date-Received: Wed, 10-Apr-85 23:47:18 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 9
Xref: watmath net.micro.apple:1875 net.games.rogue:2751

Is there a version of Rogue for an Apple IIe or IIc? I played briefly yesterday and would like to play it at home. I have a few compilers (c,pascal, fortran) so either the source or object would be fine. Is it public Domain, or must it be bought? If so, from who? Thanks,

Andrew Rahme
hardware@watmath

From -397412584550228110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,83357f02d428e691,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-10 10:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!hp-pcd!hpfcma!marc
From: marc@hpfcma.UUCP (marc)
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <8100002@hpfcma.UUCP>
Date: Wed, 10-Apr-85 13:06:00 EST
Article-I.D.: hpfcma.8100002
Posted: Wed Apr 10 13:06:00 1985
Date-Received: Thu, 18-Apr-85 02:36:33 EST
References: <-1166000@watmath.UUCP>
Organization: Hewlett-Packard - Fort Collins, CO
Lines: 13
Nf-ID: #R:watmath:-1166000:hpfcma:8100002:37777777600:353
Nf-From: hpfcma!marc Apr 10 10:06:00 1985

Andrew:

While I appreciate the vehemence of your desires to prevent Macintosh-only entries for this notes group, a little understanding would be nice. I do not get net.micro.mac (or whatever), and have been trying to for a couple of months. Since I don't, I look to this notes group for information.

Marc McKenzie
hpfcla!marc
303/226-3800 x3488

From -4489303601840482727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,931a3f666944f46f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-10 10:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site acf4.UUCP
Path: utzoo!linus!philabs!cmcl2!acf4!aol2901
From: aol2901@acf4.UUCP (adam lee)
Newsgroups: net.micro.apple
Subject: Re: Pascal & C compilers for the //c...
Message-ID: <980005@acf4.UUCP>
Date: Wed, 10-Apr-85 13:26:00 EST
Article-I.D.: acf4.980005
Posted: Wed Apr 10 13:26:00 1985
Date-Received: Fri, 12-Apr-85 06:48:20 EST
References: <525@spp2.UUCP>
Organization: New York University
Lines: 21

Hello chris.

I really dont know too much about the IIc but as for the IIe and the II+ the best c compiler is known to be the aztec c. I use this complier and it is quite good. I read some write-ups about this compiler and the bottom line is this:

language	running time
applesoft	2000 sec
apple pascal	500 sec
aztec c	40,20 sec

this bench mark was done using the same algorithm for each languages above (I think it was a prime numbers algorithm). The reason there are two running time for aztec c is that there are two ways to compile in the aztec c.
The faster time is for compiling in native 6502(which is supposed to use more memory, but will be of greater use). I read all this long time ago in a magazinelong ago. I am pretty sure I'm right about this but I can't guarentee it. The aztec c should run on the IIc also.

As for pascal I use the Apple pascal 1.2. I can't say i really recomend this compiler. I've heard the Turbo pascal is really good. But you'll have problems putting a Z80 in your IIc. You'll have to stick to Apple pascal. I hope I was of some help.

Jong

ps. This is my friends account, so keep the respose short.

From 3843974087483562578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,931a3f666944f46f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-10 11:55:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!decvax!genrad!panda!talcott!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Hard disks?
Message-ID: <192@uwai.UUCP>
Date: Wed, 10-Apr-85 14:55:26 EST
Article-I.D.: uwai.192
Posted: Wed Apr 10 14:55:26 1985
Date-Received: Thu, 11-Apr-85 14:21:16 EST
References: <525@spp2.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 18

Has anyone put their own hard disk system together? I would be
interested in doing such a thing if I could do it for around $500
(for a 10 meg system). I've seen an ad for Xebec Apple controller
for around $375 (where can I get documentation for it?). What other
Apple hard disk controllers are there and how much? Basically I'm a
software person, not into hardware, so I wouldn't want to build my
own controller.

David Neves
Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax
--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From -3144212750259970104
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4826490980364bc4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-10 17:11:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmum.UUCP
Path: utzoo!watmath!watnot!watmum!cdshaw
From: cdshaw@watmum.UUCP (Chris Shaw)
Newsgroups: net.micro.apple
Subject: 6 Mhz Z80 cards for Apple][+
Message-ID: <55@watmum.UUCP>

Date: Wed, 10-Apr-85 20:11:49 EST
Article-I.D.: watmum.55
Posted: Wed Apr 10 20:11:49 1985
Date-Received: Thu, 11-Apr-85 00:43:28 EST
Reply-To: cdshaw@watmum.UUCP (Chris Shaw)
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 14

I read an article in this group the other day that mentioned 6 Mhz Z80 cards available for Apple][+.

I have the Microsoft Softcard for the Apple already, but it's slow, & I'd like a faster Z-80.

So... has anyone used a 6 Mhz card ? Are they good ? Prices (from discount places, hopefully) ?? Do they work as seamlessly as SoftCard ?

Reply to me, I'll post a summary later.

Fangs a lot !
Chris Shaw
University of Waterloo

From -1096188930253955367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,5d4cfdaadcbca324,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,5d4cfdaadcbca324,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-11 12:19:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple,net.games
Subject: Empire I help needed
Message-ID: <13924@watmath.UUCP>
Date: Thu, 11-Apr-85 15:19:08 EST
Article-I.D.: watmath.13924
Posted: Thu Apr 11 15:19:08 1985
Date-Received: Fri, 12-Apr-85 00:03:17 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 8
Xref: watmath net.micro.apple:1879 net.games:1812

I was going through my old disks and came across an adventure game called Empire I World Builders. Has anyone played this game? I can't get very far in it, I keep getting killed. Do you have any hints for this game? any comments would be appreciated.

Andrew Rahme.

From 1510918911906836325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14c70f,a608bac1273b099e
X-Google-Attributes: gid14c70f,public
X-Google-Thread: 1622d3,a608bac1273b099e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-11 23:31:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple,net.games.rogue
Subject: Re: Rogue for Apple?
Message-ID: <9917@brl-tgr.ARPA>
Date: Fri, 12-Apr-85 02:31:43 EST
Article-I.D.: brl-tgr.9917
Posted: Fri Apr 12 02:31:43 1985
Date-Received: Mon, 15-Apr-85 03:30:41 EST
References: <13861@watmath.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 5
Xref: linus net.micro.apple:1548 net.games.rogue:1888

You can probably find quite a few people with the source to
an older version of Rogue, generally version 3.6, and it is
written in C, but don't expect to get it working on your
Apple. Even with separate I&D spaces and text overlays, it
was hard to build a PDP-11 version. It's just too big!

From 3203625474170967767
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,931a3f666944f46f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-13 20:21:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ittral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!harpo!
decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Re: Pascal & C compilers for the //c...
Message-ID: <139@ittral.UUCP>
Date: Sat, 13-Apr-85 23:21:20 EST
Article-I.D.: ittral.139
Posted: Sat Apr 13 23:21:20 1985
Date-Received: Thu, 18-Apr-85 05:23:40 EST
References: <525@spp2.UUCP> <980005@acf4.UUCP>

Reply-To: hall@ittral.UUCP (Doug hall)
Organization: ITT Telecom B&CC Eng. Group, Raleigh, NC
Lines: 20
Summary:

Applied Engineering has been advertising a Z-80 card for the Apple
//c. I'm not sure how it installs, but it fits in the case and lets
you use CP/M on the //c, so that opens up Turbo Pascal as a choice of
Pascal compilers on the //c.

Personally, I have both Apple Pascal and Turbo Pascal on my //e. I
never use Apple Pascal anymore unless I need graphics or I'm writing
something for someone without a Z-80 card. Turbo is so much faster,
and I usually find I need all the speed I can get. And neither
compiler even comes close to the performance I get from my Aztec C
compiler. The Aztec compiler itself is extreeeeeeemmmmely slow, but
the resultant code is quite fast, much faster than the code produced
by either Turbo or Apple Pascal.

Aztec runs on the //c as well as the // and //e. So now you have your
choice. Most anything's better than Applesoft.

Doug Hall
ITT Telecom
Raleigh, NC

From -7084129814651575234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5956d35c660b571c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-13 21:11:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!mhuxt!mhuxv!mhuxh!mhuxi!
mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Need technical info on PCPI CP/M Applicard
Message-ID: <514@sftig.UUCP>
Date: Sun, 14-Apr-85 00:11:11 EST
Article-I.D.: sftig.514
Posted: Sun Apr 14 00:11:11 1985
Date-Received: Mon, 15-Apr-85 01:14:09 EST
References: <2004@sdcc6.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 21

Does anyone know where to get-nuts-and-bolts technical information
about the PCPI Applicard? I was recently given one as a gift by
someone who got it for free as part of a package with wordstar
software. He already had a CPM card for his Apple II clone, so he

didn't need the Applicard, and gave it to me. Unfortunately the
documentation he got with it is *very basic*, tells you how to plug it
in and run wordstar on it, period! I dont want to run wordstar, but I
would like to run Turbo Pascal on it, and the things I want to do with
it involve needing to know the details of the communication between
the 6502 and the Z80.

Pointers to good books would be most helpful.

Replys by email and I will summarize for the net if there is enough
interest.

Thanks in advance

Rick Thomas
{most any backbone site, including akgua and ihnp4}!attunix!rbt
(201)-522-6062 10AM-6PM East Coast time.

From -1088914337058993922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,373b17bffa940fa5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-14 12:45:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!ma3751az
From: ma3751az@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: PCPI ramdisk
Message-ID: <338@unm-cvax.UUCP>
Date: Sun, 14-Apr-85 15:45:35 EST
Article-I.D.: unm-cvax.338
Posted: Sun Apr 14 15:45:35 1985
Date-Received: Thu, 18-Apr-85 05:28:51 EST
Distribution: net
Organization: University Of New Mexico Computing Center, Albuquerque, NM
Lines: 13

Has anyone figured out what the 'RAMDISK.DVR' is used for? It's on the system
master that came with the PCPI card. I expect it turns the extra apple memory
into a ramdisk, and works sorta like buffer. (I haven't installed both at the
same time.) If you know, please say exactly how your drivers program is set
up and what order.

thanks in advance.....

Stefan "leach" Chakerian   CIS 74365,231
{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!ma3751az

From -6363847354750662256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,63e02369018cc1c3
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,63e02369018cc1c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-15 11:38:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site gargoyle.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!gargoyle!ed
From: ed@gargoyle.UChicago.UUCP (Ed Friedman)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: Want Kermit-65 on disk
Message-ID: <430@gargoyle.UChicago.UUCP>
Date: Mon, 15-Apr-85 14:38:59 EST
Article-I.D.: gargoyle.430
Posted: Mon Apr 15 14:38:59 1985
Date-Received: Tue, 16-Apr-85 01:14:19 EST
References: <607@marlin.UUCP>
Organization: U. Chicago - Computer Science
Lines: 8
Xref: watmath net.wanted:6194 net.micro.apple:1886

I am also looking for a copy of Kermit for the Apple II on disk.
If anyone has a copy they could send me, I would be happy to pay them
any handling fee they deem appropriate.

Ed Friedman
5480 S. Cornell Ave.
Chicago, Illinois 60615

From 7522322883111258111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,49d299dfec5ee3ae,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,49d299dfec5ee3ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-15 16:05:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site topaz.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!columbia!topaz!friedman
From: friedman@topaz.ARPA (echo "Hello")
Newsgroups: net.micro.apple,net.micro.cpm
Subject: StarCard
Message-ID: <1215@topaz.ARPA>
Date: Mon, 15-Apr-85 19:05:24 EST
Article-I.D.: topaz.1215
Posted: Mon Apr 15 19:05:24 1985

Date-Received: Thu, 18-Apr-85 04:49:44 EST
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 10
Xref: watmath net.micro.apple:1889 net.micro.cpm:3931

I heared that the StarCard CP/M card that can be bought with
Wordstar is really a PCPI 6mhz card. If this is true,
does any one know if it comes with the CP/M utilities and
manuals?.

I saw a place advertising it for ~$150....

-Gadi
friedman@Ru-Topaz.Arpa
topaz!friedman

From -2767502007258938354
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-15 21:35:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site hadron.UUCP
Path: utzoo!decvax!genrad!panda!talcott!harvard!seismo!trwatf!rlgvax!prcrs!hadron!
jsdy
From: jsdy@hadron.UUCP (Joseph S. D. Yao)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Re: Apple Pascal Debugger
Message-ID: <167@hadron.UUCP>
Date: Tue, 16-Apr-85 00:35:34 EST
Article-I.D.: hadron.167
Posted: Tue Apr 16 00:35:34 1985
Date-Received: Thu, 18-Apr-85 06:06:15 EST
References: <338@ihlpg.UUCP>
Distribution: na
Organization: Hadron, Inc., Fairfax, VA
Lines: 9

> ... the core file could be
> "standardized" such that it could be transportable to others.
> Just think: a whole new industry of core-fixers. Just send them your core
> dump and a check, and poof! back comes your bug, all solved.

Gee. I'm not sure I'd want a whole bunch of Apple cores coming
at me through the mail.   ;-)

     Joe Yao   hadron!jsdy@seismo.{ARPA,UUCP}

From 2921716770716099445

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3a91ee7e8ae40869,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1384a9,3a91ee7e8ae40869,start
X-Google-Attributes: gid1384a9,public
X-Google-ArrivalTime: 1985-04-16 13:13:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site ahuta.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ahuta!jrrt
From: jrrt@ahuta.UUCP (r.mitchell)
Newsgroups: net.micro.apple,net.lang.f77
Subject: FORTRAN compiler on the APPLE][?
Message-ID: <618@ahuta.UUCP>
Date: Tue, 16-Apr-85 16:13:24 EST
Article-I.D.: ahuta.618
Posted: Tue Apr 16 16:13:24 1985
Date-Received: Wed, 17-Apr-85 01:47:29 EST
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 9
Xref: watmath net.micro.apple:1887 net.lang.f77:264

I teach an introductory FORTRAN course at City College of New York.
One of my students has just purchased an APPLE][and wants to know what
FORTRAN compiler to get for it. Please *mail* me any comments or
constructive suggestions you may have; I know nothing about APPLE
software.

Thanks,
Rob Mitchell
{ihnp4,allegra}!ahuta!jrrt

From 8483013371152676296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,49cd34cb8b704e73,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 1622d3,49cd34cb8b704e73,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-17 11:34:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!noscvax!rupp
From: rupp@noscvax.UUCP (William L. Rupp)
Newsgroups: net.micro.apple,net.unix
Subject: Kermit for Apple II
Message-ID: <885@noscvax.UUCP>
Date: Wed, 17-Apr-85 14:34:08 EST
Article-I.D.: noscvax.885
Posted: Wed Apr 17 14:34:08 1985
Date-Received: Sun, 21-Apr-85 06:13:55 EST
Distribution: net
Organization: Naval Ocean Systems Center, San Diego

Lines: 2
Xref: watmath net.micro.apple:1898 net.unix:4303

I am again requesting information about how I can obtain Kermit for an
Apple II+. I am trying to communicate with a 4.2 UNIX system. Thanks!

From -1123209674122257951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4d876e3c7882ff05,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-18 05:56:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP (Dave Newkirk)
Newsgroups: net.micro.apple
Subject: Using mousepaint on Apple II
Message-ID: <1550@ihuxl.UUCP>
Date: Thu, 18-Apr-85 08:56:40 EST
Article-I.D.: ihuxl.1550
Posted: Thu Apr 18 08:56:40 1985
Date-Received: Fri, 19-Apr-85 00:19:30 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 9

My brother just got mousepaint for his Apple II, and discovered that he
couldn't print anything unless he has an Apple printer and interface.
He does have a perfectly good Epson with graphics, but he can't seem to
get mousepaint (running under ProDOS) to leave a file behind that the
printer dump program can read. The local computer store gave him a copy
of ProDOS to use, but it won't boot on the Apple II (seems to need
newer ROMs like those in II+ or //e). Any ideas?
--
                    Dave Newkirk, ihnp4!ihuxl!dcn

From 1188703575352447 65
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,904314a75f8a4432,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-18 08:20:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!
bellcore!sabre!zeta!epsilon!gamma!ulysses!mhuxr!mhuxt!houxm!ihnp4!mgnetp!we53!
busch!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple
Subject: Aztec C for Apple IIe - opinions ?
Message-ID: <261@wuphys.UUCP>
Date: Thu, 18-Apr-85 11:20:54 EST

Article-I.D.: wuphys.261
Posted: Thu Apr 18 11:20:54 1985
Date-Received: Sun, 21-Apr-85 04:19:09 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 22

I have been developing software for a number of micros and currently
use Apple Pascal for The Apple II line. However, I am running into
many situations where a customer does not want to buy AP just to run
my programs. Also, I don't care to pay Softech's high royalties for
distributing run-time packages. Sooooo...

Concerning Aztec's C package for the Apple II :

1) Does anyone have opinions (good, bad) on it?
2) Does the native 6502 code produced require substantially more disk
space than p-code?
3) Will I find that I really miss my Apple Pascal?

Please mail me any info that you can.

Thanks in advance,

Frank
ihnp4!wuphys

From -2535533494122063552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,49d299dfec5ee3ae
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,49d299dfec5ee3ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-18 22:02:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!lanl!unmvax!unm-cvax!
ma3751az
From: ma3751az@unm-cvax.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: StarCard (a plug from a happy hacker)
Message-ID: <343@unm-cvax.UUCP>
Date: Fri, 19-Apr-85 01:02:17 EST
Article-I.D.: unm-cvax.343
Posted: Fri Apr 19 01:02:17 1985
Date-Received: Mon, 22-Apr-85 06:43:30 EST
References: <1215@topaz.ARPA>
Organization: University Of New Mexico Computing Center, Albuquerque, NM
Lines: 35
Xref: watmath net.micro.apple:1899 net.micro.cpm:3961

> I heared that the StarCard CP/M card that can be bought with
> Wordstar is really a PCPI 6mhz card. If this is true,
> does any one know if it comes with the CP/M utilities and
> manuals?.
>
> I saw a place advertising it for ~$150....
>

*** MASSAGE THIS LINE WITH YOUR PLACE ***

Yeah, the PCPI 'starcard' is one of the best CP/M cards available on the apple. I got it for ~ $185 and thought it was a steal. If you see it lower, GET IT! It comes with CP/M primer, Wordstar 3.3 + manual, CP/M system disk which includes drivers for 80 col cards or 70 col hi-res (goes slow, but works). The card itself is fast. It also comes with the starcard manual which explains all you need except for one of the drivers. (I still can't figure out what RAMDISK.DVR is used for. Maybe for the 256K Add-on ramdisk you can install...) The WS manual is geared for using the PCPI card, too.

You have your basic cp/m utilities: stat, submit, etc. & one called adosxfer which transfers files back and forth between dos 3.3 and cp/m. There is also a file called dosrdsk or something, which, when transferred to dos 3.3, can make the extra 64K on the starcard emulate a ramdisk. When you're using the card, you can change the apple memory into a printer buffer (35K or so!)

I have used my card for about 3 weeks now (I only have 1 drive and am in pain...you really need 2 ++). I do recommend it to *anyone* with a //e who wants cp/m. I've used cp/m 3.0 before, but the novelty of cp/m on an apple makes me forget the problems of cp/m 2.2 .

Stefan "leach" Chakerian   CIS 74365,231
{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!ma3751az

From 1831294177926962639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8161e3a85e27d0fc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-18 22:58:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!harpo!decvax!genrad!
panda!talcott!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: 65C02
Message-ID: <195@uwai.UUCP>
Date: Fri, 19-Apr-85 01:58:27 EST
Article-I.D.: uwai.195
Posted: Fri Apr 19 01:58:27 1985

Date-Received: Sat, 20-Apr-85 08:35:13 EST
References: <1834@tekig1.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 39

I asked about the new instructions in the 65C02 but didn't get
any answer. I just found out the answer by looking in the new manual from
Apple.

(based on pages in About your enhanced Apple //e: Programmer's guide)

65C02 new instructions:
BRA -   Branch relative always
DEA -   Decrement accumulator
INA -   Increment accumulator
PHX -   Push X on stack
PHY -   Push Y on stack
PLX -   Pull X from stack
PLY -   Pull Y from stack
STZ -   Store zero (Absolute, ABS,X , Zero page, ZPG,X)
TRB -   Test and reset memory bits with accumulator(Absolute, Zero pg)
TSB -   Test and set memory bits with accumulator(Absolute, Zero pg)

New Instruction addressing modes:

The following include a new ZPG addressing mode. This is Zero page indirect
addressing. (It used to be the case you needed to use the x or y registers
to do this kind of addressing)
ADC, AND, BIT (also ABS,X), CMP, EOR, LDA, ORA, SBC, STA

JMP (ABS(IND,X)) ;the contents of the second and third instruction bytes are
  added to the x register. The result is a memory location with the
  address. I think what this means is: JMP (3000,X), you add 3000 + x and
  the result is a memory location with the address to jump to.

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 7125829479465655956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8161e3a85e27d0fc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-18 23:00:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP

Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!whuxl!whuxlm!harpo!decvax!genrad!
panda!talcott!harvard!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Apple II documentation
Message-ID: <196@uwai.UUCP>
Date: Fri, 19-Apr-85 02:00:08 EST
Article-I.D.: uwai.196
Posted: Fri Apr 19 02:00:08 1985
Date-Received: Sat, 20-Apr-85 08:35:27 EST
References: <1834@tekig1.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 34

Some people are confused as to the documentation sold by Apple. Dealers
don't help very much because they don't make much profit from setting
manuals. What follows is what Apple distributes for the Apple II line.

Apple #	Name	Retail $
A2L2072	Apple IIe Enhancement Programmer's Guide	none
A2L2073	Apple IIe Enhanced Owner's Manual	$20
A2L2005	Apple IIe Reference Manual	$30
A2L4030	Apple IIc Reference Manual	$50
A2L2002	DOS Users Manual	$20
A2L2012	DOS Programmers Manual	$20
A2W0010	ProDOS Technical Reference Manual	$25

Manuals available from Addison-Wesley Publishing (1-800-238-3801)
  AppleSoft Programmer's Kit (IIe & IIc)
  AppleSoft Reference Manual (IIe & IIc)
  AppleSoft Tutorial (IIe & IIc)
  BASIC Programming with ProDOS

Other things ...

A2M2052	Apple IIe Enhancement Kit	$70

```
         ;Price includes $20 for installation.  Most likely the
         ;dealer will play dumb about this installation fee if
         ;you want to do it yourself to save $.
```

--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From 3537249518605935108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,49d299dfec5ee3ae

X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,49d299dfec5ee3ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-19 09:51:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mhuxt!mhuxv!mhuxh!mhuxi!mhuxm!sftig!
rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: StarCard
Message-ID: <518@sftig.UUCP>
Date: Fri, 19-Apr-85 12:51:31 EST
Article-I.D.: sftig.518
Posted: Fri Apr 19 12:51:31 1985
Date-Received: Sat, 20-Apr-85 08:10:55 EST
References: <1215@topaz.ARPA>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 26
Xref: watmath net.micro.apple:1894 net.micro.cpm:3945

> I heard that the StarCard CP/M card that can be bought with
> Wordstar is really a PCPI 6mhz card. If this is true,
> does any one know if it comes with the CP/M utilities and
> manuals?.
>
> I saw a place advertising it for ~$150....
>
>   -Gadi
>   friedman@Ru-Topaz.Arpa
>   topaz!friedman

Yep! It is just that. The manuals that come with it are abominable.
However, there is a 50 dollar 'developers manual' available from PCPI.
I ordered one yesterday. I'll post more info after I have looked at the
it. I'm told that the Applicard/Starcard will not run Microsoft basic
(either Mbasic or Gbasic) but have heard rumors that PCPI will sell
a patch to basic (one or the other or both??? Anybody know for sure?)
that solves the problem. The Starcard comes with one 'flippy' disk
with CPM and the basic cpm utilities on it (PIP, STAT, ED, etc. but not Basic).

Rick Thomas
{ihnp4, akgua, just about anywhere}!attunix!rbt

PS -- I have also heard rumors that PCPI is 'going big blue' and is not
interested in pushing their Apple products anymore. Could this explain the low
price for the Starcard?

From 269384909065250580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d52c33b1c75b2b6a,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-04-19 11:22:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site uvicctr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!uvicctr!collinge
From: collinge@uvicctr.UUCP (Doug Collinge)
Newsgroups: net.micro.apple
Subject: 65802
Message-ID: <115@uvicctr.UUCP>
Date: Fri, 19-Apr-85 14:22:47 EST
Article-I.D.: uvicctr.115
Posted: Fri Apr 19 14:22:47 1985
Date-Received: Sun, 21-Apr-85 05:38:45 EST
Distribution: na
Organization: University of Victoria, Victoria B.C. Canada
Lines: 28

Does anyone know if the 65802 is available yet? When I called
Western Design Center in Mesa Arizona in fall of last year they
sent me some literature and were prepared to take $100 from me
in return for a promise to deliver a 1MHz sample but I didn't
believe that they really had any samples so I didn't order.

Has anyone ordered? Did you get your sample yet? Does it
work in an Apple? Apple 2e?
     If anyone has the answers to any of these questions
please mail to me. Post to this newsgroup, too - I'm sure that
this chip is of sufficient general interest.
Doug Collinge.

          Doug Collinge
          School of Music, University of Victoria,
          PO Box 1700, Victoria, B.C.,
          Canada, V8W 2Y2
          decvax!nrl-css!uvicctr!musicomp
          decvax!uw-beaver!uvicctr!musicomp
          ubc-vision!uvicctr!musicomp
--
          Doug Collinge
          School of Music, University of Victoria,
          PO Box 1700, Victoria, B.C.,
          Canada, V8W 2Y2
          decvax!nrl-css!uvicctr!musicomp
          decvax!uw-beaver!uvicctr!musicomp
          ubc-vision!uvicctr!musicomp

From 2533513767876482712
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d52c33b1c75b2b6a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-21 18:46:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!decvax!mcnc!philabs!cmcl2!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.micro.apple
Subject: Exhanced //e, Premium softcard //e
Message-ID: <198@uwai.UUCP>
Date: Sun, 21-Apr-85 21:46:08 EST
Article-I.D.: uwai.198
Posted: Sun Apr 21 21:46:08 1985
Date-Received: Mon, 22-Apr-85 10:15:21 EST
References: <115@uvicctr.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 19

I just upgrated my //e with the mousetext rom, etc. I am having
problems in CPM though. In Inverse video (i.e. when I run Turbo
Pascal) I see the mousetext characters instead of uppercase
characters. I assume that (for some reason) my Microsoft premium
softcard //e is turning on the mousechars by sending an <ESC> to the
screen.

Does anyone have a fix for this problem? I've tried sending a
control-X to the screen (someone traps it), and have tried to set the
screen mode byte from CPM (but I think I'm doing something wrong when
I try). Nothing has been successful.

-Thanks,--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From -8080849630114677085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f4903af5c04c32ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-22 00:40:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site athena.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!teklds!athena!grego
From: grego@athena.UUCP (Grego Sanguinetti)
Newsgroups: net.micro.apple
Subject: Request:Form letter software
Message-ID: <237@athena.UUCP>
Date: Mon, 22-Apr-85 03:40:48 EST
Article-I.D.: athena.237
Posted: Mon Apr 22 03:40:48 1985
Date-Received: Wed, 24-Apr-85 03:06:21 EST

Organization: Tektronix, Beaverton OR
Lines: 15

As I have never read this group please excuse any redundancy.
My sister has just purchased an Apple IIE. She is looking for software
that will allow her to program a form letter and then feed it a file
of records where each record would contain the information to
complete the form for a given customer. The program she has now requires
her to do each letter one at a time. Seems like a good idea huh?

Thanks in advance,

Grego Sanguinetti

uucp: {ucbcad,decvax,pur-ee,cbosg,ihnss}!tektronix!teklds!grego
CSnet: grego@tek
ARPAnet:grego.tek@rand-relay

From -9171860818081446312
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,736fcfa42393a5e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-22 04:45:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekigm.UUCP
Path: utzoo!decvax!tektronix!tekigm!robertd
From: robertd@tekigm.UUCP (Robert Dexter)
Newsgroups: net.micro.apple
Subject: Apple Super Serial Card info needed
Message-ID: <317@tekigm.UUCP>
Date: Mon, 22-Apr-85 08:45:32 EDT
Article-I.D.: tekigm.317
Posted: Mon Apr 22 08:45:32 1985
Date-Received: Thu, 9-May-85 07:58:57 EDT
Distribution: na
Organization: Tektronix, Beaverton OR
Lines: 13
Xref: tektronix net.micro.apple:02015

I bought an Apple//e and their modem and a super serial card for the
modem. The documents that came with the modem told me how to set up
the ssc. The book says nothing about the the possible settings of the
DIP switches or termination package with the arrow to be pointing to
either medem or printer.

Can any one tell me what the switch settings can buy me? There is
even one labeled as RS-232. Does that mean it is capable of driving
20ma current loop. (I might be able to use my ASR33 after all).

I look foreward with baited breath for any responses.

Robert Dexter

From -3127972424532870870
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,303f9a7238582b57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-22 13:58:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Half height drive manual/schematic
Message-ID: <2693@harpo.UUCP>
Date: Mon, 22-Apr-85 16:58:48 EST
Article-I.D.: harpo.2693
Posted: Mon Apr 22 16:58:48 1985
Date-Received: Fri, 26-Apr-85 21:04:02 EST
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 16
Nf-ID: #N::37600018:000:574
Nf-From: !bob   Apr 22 16:58:00 1985

This weekend I bought a half height Apple 2 compatible drive from the Franklin
company at the Trenton NJ computer show. For $99 it seems fine. So far it
has worked reliably & boots protected disks. According to Franklin it is made
by Mitac, an outfit from Taiwan which also makes Shugart look-alikes for the
Apple.

SInce the half height is so different electrically from the full height
I am a little concerned aboout not having a schematic or maintenance manual.
Can anyone advise me on where to obtain one?
.
                              bob
                              harpo\!bob
                              ihnp4\!whuxb\!harpo\!bob

From -6642008447097717018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,303f9a7238582b57
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-22 15:11:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!harpo!
notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Half height drive manual/schematic

Message-ID: <2694@harpo.UUCP>
Date: Mon, 22-Apr-85 18:11:15 EST
Article-I.D.: harpo.2694
Posted: Mon Apr 22 18:11:15 1985
Date-Received: Fri, 26-Apr-85 21:04:50 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 16
Nf-ID: #N::37600018:000:574
Nf-From: !bob   Apr 22 16:58:00 1985

This weekend I bought a half height Apple 2 compatible drive from the Franklin company at the Trenton NJ computer show. For $99 it seems fine. So far it has worked reliably & boots protected disks. According to Franklin it is made by Mitac, an outfit from Taiwan which also makes Shugart look-alikes for the Apple.

SInce the half height is so different electrically from the full height
I am a little concerned aboout not having a schematic or maintenance manual.
Can anyone advise me on where to obtain one?
.

bob
harpo\!bob
ihnp4\!whuxb\!harpo\!bob

From 161350906198955991
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,91c370e9193f3ec9,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,91c370e9193f3ec9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-23 14:07:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!think!mit-eddie!genrad!decvax!
bellcore!allegra!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple,net.lang.pascal
Subject: Apple Pascal 1.2 Upgrade: A summary of replies.
Message-ID: <267@wuphys.UUCP>
Date: Tue, 23-Apr-85 17:07:50 EST
Article-I.D.: wuphys.267
Posted: Tue Apr 23 17:07:50 1985
Date-Received: Sat, 27-Apr-85 00:41:49 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 37
Xref: linus net.micro.apple:1573 net.lang.pascal:288

A while back, I asked those in the net.micro.apple community if the
upgrade to Apple Pascal 1.2 was worthwhile. A great many asked me to

pass on information that I received. The following is a summary of the responses to the question. Most of the information came from Dave Seaman (purdue!ags), so if I lie - flame him, not me :-).

The Apple Pascal 1.2 supports the alternate bank of memory on the IIe. The advantages are as follows:

   1) All p-code goes into the alternate bank. Main memory is used for program data and assembly routines. You can run much larger programs without resorting to segmentation.

   2) You can edit large files (<60 blocks).

   3) You can compile large programs without enabling swapping.

   4) You can compile library routines w/o swapping.

   5) Intrinsic units need not be placed in SYSTEM.LIBRARY.

   6) Up to 64 segment numbers are available.

Problems - Dealers say that the deadline for purchasing the upgrade has passed. So, if they are to be believed, you must purchase the entire package ($295 list). One might get around this by talking directly to Apple.

That's all

Frank Kramer
ihnp4!wuphys!fek

From -1857076829954686826
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,82fd1d97f11af5dd,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 129c11,82fd1d97f11af5dd,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,82fd1d97f11af5dd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-25 16:33:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucdavis.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!ucbvax!ucdavis!ccs018
From: ccs018@ucdavis.UUCP (ccs018)
Newsgroups: net.micro,net.micro.apple,net.unix
Subject: termcap for Apple //e
Message-ID: <141@ucdavis.UUCP>
Date: Thu, 25-Apr-85 19:33:29 EST
Article-I.D.: ucdavis.141
Posted: Thu Apr 25 19:33:29 1985

Date-Received: Sat, 27-Apr-85 04:38:48 EST
Distribution: net
Organization: University of California, Davis
Lines: 14
Xref: watmath net.micro:10144 net.micro.apple:1902 net.unix:4343

I am trying to communicate with a 4.2 BSD, and a local version Unix machine with my Apple //e. I have an Apple 80 column card, and a Micromodem //e. The problem is, when I try to use visual on-screen editing, my terminal emulation just doesn't quite cut it. It seems to be a problem with cursor addressing. What I need is a termcap entry that will allow the Unix machine to talk to my Apple. I have been trying to come up with one, but I just can't seem to get it working. There are also problems with inverse video, and other problems associated with bad emulation. If you can help me, please send it to me over the net.

Jack Ogawa
Computer Center
University of California, Davis
..!ucbvax!ucdavis!harpo!ccs018

From 7579069709758208629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,63e02369018cc1c3
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,63e02369018cc1c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-26 14:53:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isosvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!noao!terak!asuvax!isosvax!nate
From: nate@isosvax.UUCP (Nate Lesane)
Newsgroups: net.wanted,net.micro.apple
Subject: Re: Want Kermit-65 on disk
Message-ID: <211@isosvax.UUCP>
Date: Fri, 26-Apr-85 18:53:45 EDT
Article-I.D.: isosvax.211
Posted: Fri Apr 26 18:53:45 1985
Date-Received: Tue, 30-Apr-85 02:33:22 EDT
References: <607@marlin.UUCP>, <430@gargoyle.UChicago.UUCP>
Organization: Intel Corp, Phoenix (Deer valley), AZ
Lines: 7
Xref: linus net.wanted:5444 net.micro.apple:1576

I'd also like a copy. Also willing to pay for postage & handling
and diskette costs incurred.

Nate LeSane
4207 W. Angela Dr.
Glendale, Az. 85308

From -5281395460213313770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,639e866b2eb9f68e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-26 16:31:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-spice.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!cmu-cs-pt!cmu-cs-spice!djz
From: djz@cmu-cs-spice.ARPA (Daniel Zigmond)
Newsgroups: net.micro.apple
Subject: XLISP 1.4
Message-ID: <356@cmu-cs-spice.ARPA>
Date: Fri, 26-Apr-85 20:31:42 EDT
Article-I.D.: cmu-cs-s.356
Posted: Fri Apr 26 20:31:42 1985
Date-Received: Sun, 28-Apr-85 05:46:41 EDT
Organization: Carnegie-Mellon University, CS/RI
Lines: 5

I am in the middle of a book on XLISP 1.4. I hope to include a list of all
the implementations of XLISP 1.4 available. Is there a version on the Apple
//? I would appreciate any information on this.

Dan

From -8746883465243186724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,f7b1bd3916711d20,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 15eac6,f7b1bd3916711d20,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,f7b1bd3916711d20,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-26 17:41:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucla-cs.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!think!mit-eddie!genrad!decvax!
ittvax!dcdwest!sdcsvax!sdcrdcf!trwrb!trwrba!cepu!ucla-cs!koen
From: koen@ucla-cs.UUCP
Newsgroups: net.micro.apple,net.unix,net.info-terms
Subject: Termcap Problem - Apple IIe
Message-ID: <5060@ucla-cs.ARPA>
Date: Fri, 26-Apr-85 21:41:31 EDT
Article-I.D.: ucla-cs.5060
Posted: Fri Apr 26 21:41:31 1985
Date-Received: Wed, 1-May-85 06:24:19 EDT
Organization: UCLA Computer Science Department
Lines: 39
Xref: linus net.micro.apple:1578 net.unix:3759 net.info-terms:95

I am posting this for a friend. Please send any suggestions to me.

Thanks,

 -- Koenraad Lecot

ARPA: koen@ucla-cs.arpa
UUCP: ...!{cepu,ihnp4,randvax,sdcrdcf,trwspp,ucbvax}!ucla-cs!koen

==========
I'm having a problem using my Apple IIe as a terminal when dialing in
to a Unix system. I believe the termcap I am using is correct for the
apple IIe with 80-column card, but my apple doesn't seem to respond to
any of the termcap features. The termcap dependent programs like vi
and more don't work properly. I can't even clear screen by echoing ^L,
which normally works when using the 80-column card. I suspect that the
software that I am using is intercepting control characters before they
get to the apple display.

Here is my system configuration:

Terminal: apple IIe with apple 80-col card.

Software: Transend1 communications program.

Modem: Prometheus 1200A (internal) with on-board firmware.
         (installed in slot #2)

Termcap:
     av|apple2e|Apple][e with 80 column card:\
     :am:bc=^H:bs:db#0:bw:cd=^K:ce=^]:cl=^L:dF#0:cm=^^%r%+ %+ :co#80:\
     :cr=^M:dC#0:do=^J:do=^J:ho=^Y:kb=^H:kd=^J:kl=^H:ku=^K:li#24:\
     :ma=^Hh^Jj^Kk:nd=^\:nl=^J^M:dN#0:pt:se=^N:sf=50^W:sg#0:so=^O:\
     :sr=50^V:ta=9999^I:up=^_:

Does anyone have any idea what the problem is?

                  Alan Quan

From 7312895500967222031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,63e02369018cc1c3
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,63e02369018cc1c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-29 16:10:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site topaz.ARPA
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!topaz!friedman
From: friedman@topaz.ARPA (echo "Hello")
Newsgroups: net.wanted,net.micro.apple
Subject: Re: Want Kermit-65 on disk
Message-ID: <1829@topaz.ARPA>

Date: Mon, 29-Apr-85 19:10:56 EDT
Article-I.D.: topaz.1829
Posted: Mon Apr 29 19:10:56 1985
Date-Received: Tue, 30-Apr-85 07:40:04 EDT
References: <607@marlin.UUCP> <430@gargoyle.UChicago.UUCP> <211@isosvax.UUCP>
Reply-To: friedman@topaz.UUCP (echo "Hello")
Organization: Rutgers Univ., New Brunswick, N.J.
Lines: 12
Xref: watmath net.wanted:6298 net.micro.apple:1904

As far as I know the current version (2.1A) of Kermit
for the Apple is buggy. It does not do 8 bit quoting
correctly and characters are lost (& signs). It does however works
when 8 bit quoting mode is off. (for text files, I did not try
Binary files.)   There is a fix, but I don't know when the next
release will be. (I have it, but you need the source and cross.exe
to use it.)

-Gadi
friedamn@topaz.uucp
friedman@Ru-topaz.arpa

From -7354237885701855857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,9d2f22b48480306a,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,9d2f22b48480306a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-02 20:47:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site vax2.fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!vax135!cornell!uw-beaver!
fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Seeking recommendations for Imagewriter ribbons
Message-ID: <578@vax2.fluke.UUCP>
Date: Thu, 2-May-85 23:47:08 EDT
Article-I.D.: vax2.578
Posted: Thu May 2 23:47:08 1985
Date-Received: Sat, 4-May-85 00:00:08 EDT
Distribution: net
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 19
Xref: watmath net.micro.mac:1249 net.micro.apple:1906

I'm interested in any comparisons for the various ribbons for the
Imagewriter; are those sold with the Apple label the best, or are there
better ones out there? In particular, are there carbon tape cartridges
instead of ribbons, and can they be used without damage to the Imagewriter
printer heads? Any information would be greatly appreciated.

Thanks in advance...

Moriarty, aka Jeff Meyer
John Fluke Mfg. Co., Inc.

{princeton,ulysses}!allegra -\
{decwrl,qubix}!sun -\
{akgua,gatech,harpo,purdue,uf-crgl}!sb1 -\
{cornell,decvax,ihnp4,sdcsvax,tektronix,utcsrgv}!uw-beaver -- !fluke!moriarty
{hplabs,megatest,nbires}!lbl-csam -/
{microsoft,ssc-vax,telmatic,tikal,uw-vlsi} -/
ARPA:
fluke!moriarty@uw-beaver.ARPA

From 4852222626381217463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-03 17:31:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site spp2.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
ittvax!dcdwest!sdcsvax!sdcrdcf!trwrb!trwspp!spp2!barbay
From: barbay@spp2.UUCP (Chris Barbay)
Newsgroups: net.micro.apple
Subject: Banging noise on Apple //e,c disk drive...
Message-ID: <573@spp2.UUCP>
Date: Fri, 3-May-85 20:31:35 EDT
Article-I.D.: spp2.573
Posted: Fri May 3 20:31:35 1985
Date-Received: Mon, 6-May-85 00:39:34 EDT
Distribution: net
Organization: TRW, Redondo Beach CA
Lines: 12

Can anybody help me with this problem or at least explain what is happening.

I am using the Beagle Bros. program GPLE. When I BLOAD the program,
the disk sometimes bangs. It doesn't always do it, just sometimes.
There doesn't seem to be a pattern. What could cause this?

Also, I once did a BSAVE on screen memory, and when I BLOADed it back
using the same drive it was saved with, it doesn't rattle. When
I use another drive it rattles. Does anybody know what is going on?

Thanks in advance,
Chris Barbay

From 6394777642806440799
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-04 18:43:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mit-eddie!moore
From: moore@mit-eddie.UUCP (Andrew M. Moore)
Newsgroups: net.micro.apple
Subject: 212a Cat problems: answer mode
Message-ID: <4173@mit-eddie.UUCP>
Date: Sat, 4-May-85 21:43:51 EDT
Article-I.D.: mit-eddi.4173
Posted: Sat May 4 21:43:51 1985
Date-Received: Sun, 5-May-85 23:38:23 EDT
References: <573@spp2.UUCP>
Reply-To: moore@mit-eddie.UUCP (Andrew M. Moore)
Distribution: net
Organization: MIT, Cambridge, MA
Lines: 13

   Technical Support isn't answering. Is that what they mean by technical support? :-) ... When I try to use the 212a Apple-Cat][for purposes other than communications (i.e., voice/music synthesizers, etc), the modem sends out a carrier (answer mode) tone every time it goes off-hook. However, it does this only when I have the 212a board (with slot-saver configuration) hooked up, but NOT when I'm using the Cat without the 212a board. It seems that the modem is defaulting to answer mode. Could this problem be due to the fact that I'm using a motherboard older than revision 7 (the ones that don't take the lower-case chips, etc)? If not, has anyone had a similar problem, or can anyone suggest a solution?

-dru

From 1001823375638557470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 163b79,6c96697545344f4b,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 15e263,6c96697545344f4b,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 15517a,6c96697545344f4b,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 12eaa7,6c96697545344f4b,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 15f443,6c96697545344f4b,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,6c96697545344f4b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-06 14:51:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mmintl.UUCP
Path: utzoo!linus!philabs!pwa-b!mmintl!davido

From: davido@mmintl.UUCP (The Music Junkie)
Newsgroups:
net.general,net.wanted,net.micro.trs-80,net.micro.cpm,net.micro.pc,net.micro.apple
Subject: Wordstar File Format (HELP!)
Message-ID: <362@mmintl.UUCP>
Date: Mon, 6-May-85 17:51:24 EDT
Article-I.D.: mmintl.362
Posted: Mon May 6 17:51:24 1985
Date-Received: Thu, 9-May-85 00:21:45 EDT
Organization: GISW (Global Institute for Stereo Wars)
Lines: 26
Xref: linus net.general:2857 net.wanted:5513 net.micro.trs-80:185
net.micro.cpm:3730 net.micro.pc:3571 net.micro.apple:1584

Hi! I work at Multimate International, developers of MultiMate (A Word
Processing program for the IBM pc. I need any information anybody has about
the internal file format used by both Wordstar and Wordstar 2000. We
are developing some file conversion utilities and the folks at Micropro
are saying, when we ask them for the file format, that it is public
domain info. Well, I don't know where to find it. Can any of you help?
Please send anything you've got.

Thank you,
Davido

--

* "Sally sold cshs by the ... cshore?"   The opinions expressed within *
*   are those of my company, my   *
*   company's management, the U.S.*
* U.S. Snail: Congress, the President of the*
*   David Ornstein   United States and sometimes   *
*   Multimate International Corp.   derived via rot13 decryption *
*   52 Oakland Avenue   of level-seven transmissions *
*   East Hartford, CT. 06108   by kremvax.   *
* UUCP: *
* ...!seismo!utah-cs!utah-gr!pwa-b!mmintl!davido   *

From -5182160097754876052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c2a7a684b7c6d14,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-07 11:36:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!bellcore!decvax!
mcnc!ecsvax!ran
From: ran@ecsvax.UUCP (Ran L. Whitehead)
Newsgroups: net.micro.apple

Subject: gemini 10x printer problems
Message-ID: <1178@ecsvax.UUCP>
Date: Tue, 7-May-85 14:36:55 EDT
Article-I.D.: ecsvax.1178
Posted: Tue May 7 14:36:55 1985
Date-Received: Fri, 10-May-85 01:34:45 EDT
Organization: NC Educational Computing Service
Lines: 2

can anyone suggest a good place to take my gemini 10x
printer to be repaired in the Research Triangle area?

From -5917882703353852848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b27ff98f9d8e71b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-07 17:28:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site hpvcla.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tikal!
hplsla!hpvcla!davel
From: davel@hpvcla.UUCP (davel)
Newsgroups: net.micro.apple
Subject: Re: Banging noise on Apple //e,c disk dr
Message-ID: <4400001@hpvcla.UUCP>
Date: Tue, 7-May-85 20:28:00 EDT
Article-I.D.: hpvcla.4400001
Posted: Tue May 7 20:28:00 1985
Date-Received: Fri, 10-May-85 01:09:00 EDT
References: <573@spp2.UUCP>
Lines: 13
Nf-ID: #R:spp2:-57300:hpvcla:4400001:000:423
Nf-From: hpvcla!davel   May 7 17:28:00 1985

     When DOS has trouble reading a diskette after a few
     tries it "re-syncs" the head. It does this by pulling
     the head up against a mechanical stop. Because the
     head motion is an open loop control system (etc.) it
     hits the stop several times causing the banging. The
     underlying cause is that the head alignment is
     different on the drive that made the Beagle Bros. disk
     and your disk.

                    Dave Lowe
                    hpvcla!davel

From -8398411148287230624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,49cd34cb8b704e73

X-Google-Attributes: gid13544e,public
X-Google-Thread: 1622d3,49cd34cb8b704e73
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-05-08 07:33:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unrvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!utah-cs!utah-gr!unr70!unrvax!wohletz
From: wohletz@unrvax.UUCP (Greg Wohletz)
Newsgroups: net.micro.apple,net.unix
Subject: Re: Kermit for Apple II
Message-ID: <336@unrvax.UUCP>
Date: Wed, 8-May-85 10:33:20 EDT
Article-I.D.: unrvax.336
Posted: Wed May 8 10:33:20 1985
Date-Received: Fri, 10-May-85 21:35:24 EDT
References: <885@noscvax.UUCP>
Reply-To: wohletz@unrvax.UUCP (Greg Wohletz)
Distribution: net
Organization: University of Nevada, Reno
Lines: 1
Xref: linus net.micro.apple:1586 net.unix:3848

An apple version is part of the columbia distribution.

From -9068919296075502922
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 114c7e,8ce2d3f156270e39,start
X-Google-Attributes: gid114c7e,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-19 11:08:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site randvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!randvax!jim
From: jim@randvax.UUCP (Jim Gillogly)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy (loooong)
Message-ID: <2356@randvax.UUCP>
Date: Fri, 22-Mar-85 11:20:09 EST
Article-I.D.: randvax.2356
Posted: Fri Mar 22 11:20:09 1985
Date-Received: Mon, 25-Mar-85 02:26:33 EST
References: <296@unm-cvax.UUCP>
Organization: Gillogly Software
Lines: 23
Xref: watmath net.games:1750 net.micro.apple:1786
Summary: Piracy has driven companies out

In article <296@unm-cvax.UUCP> cs2532aa@unm-cvax.UUCP (Foobar Baz Bletchquux)
writes:

>> Ironically, in their lust to obtain the newest software, the vast horde of
>> muggers frequently scare software publishers out of the business.
>
>"Frequently"? I have yet to hear of ONE COMPANY that went out of business and
>blamed software piracy.

Here's one for you: Ray Livingstone (Livingstone Logic Labs) left the Heath
market because his drivers were getting pirated and passed around in Heath
Users' Groups. It was reported in BUSS and H-SCOOP a couple of years ago.
It was a shame, because he was one of the most competent H89 hardware hackers
around.

While of course not all pirates and users of pirated software would have
bought the programs, certainly SOME of them (probably the ones who use the
program as part of their daily repertoire) would have.

And yes, I'm prejudiced because I'm trying to make a living off of selling
my software - and it's not copy protected. Sigh.
--
     Jim Gillogly
     {decvax, vortex}!randvax!jim
     jim@rand-unix.arpa

From 482667772284778158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-19 14:08:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ccivax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!rochester!ritcv!ccivax!band
From: band@ccivax.UUCP (Bill Anderson)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy (loooong)
Message-ID: <237@ccivax.UUCP>
Date: Tue, 19-Mar-85 17:08:39 EST
Article-I.D.: ccivax.237
Posted: Tue Mar 19 17:08:39 1985
Date-Received: Thu, 21-Mar-85 04:34:41 EST
References: <296@unm-cvax.UUCP>
Organization: CCI Telephony Systems Group, Rochester NY
Lines: 64
Xref: watmath net.games:1740 net.micro.apple:1773

     *** Two Comments on Software Piracy and a Response ***
          ++

Date: 1 Feb 85 08:11:21 GMT

Somebody tell me: Is it that much more expensive to develop a program as it is to develop (write songs for) an album, hire musicians, cut the thing, design album jackets, distribute it an what-not? Of course, you don't need to offer software support for an album, but still. Record albums and illegal cassette copies, books and copyright-violating xerox copies, even movies and VCR copies coexist reasonably happily. Whatinthehell is the matter with software?

Russell Reid

==========

Date: 17 Mar 85 08:33:25 GMT

> Of course, the muggers' use of high prices as a rationale for illegal
> copying is, at best, a red herring.

As a rationale, perhaps I can agree. The only rationale I have ever found necessary for piracy is the fact that you get free software. That's a pretty good rationale. But the threat of piracy still doesn't justify the outrageous pricing policies going on today on ALL kinds of software, be it entertainment or applications. If Borland International can sell "Turbo Pascal", which is generally recognized as one of the best Pascal compilers on the market, for $70, what does that make the company that charges almost as much for a simple adventure game?

Ernie Longmire / 311 Don St. SE / Los Lunas, NM 87031-9405
UUCP : {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2532aa

==========

1985.3.19

To answer Russell Reid, nothing is the matter with software. The fact that "record albums and illegal cassette copies ... coexist reasonably happily" does not change the fact that the copies are illegal. Copyright violation is stealing. And stealing is not acceptable! Period. The question is Why is software any different?

To answer Ernie Longmire, the company that charges a high price for an adventure game is called an entrepreneur. No one is forcing you to buy it, and if the company cannot make money, it will go out of business. "Stolen software is free" is not a rationale for stealing, it is a rationalization for making stealing a legitimate practice. The question here is What makes stealing all right? The answer, as above, is nothing.

The increase in stealing of microprocessor software will probably lead to two unhappy results: more expensive software, and more difficult procedures for backup and general personal use. The end result is a more rigid environment all round.

Bill Anderson

...!{ucbvax!allegra | decvax}!rochester!ccivax!band

--

Bill Anderson

...!{ {ucbvax | decvax}!allegra!rlgvax }!ccivax!band

From -7147798717888371398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-19 23:07:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!decwrl!joel
From: joel@decwrl.UUCP (Joel McCormack)
Newsgroups: net.micro.apple
Subject: An open letter to software pirates
Message-ID: <1180@decwrl.UUCP>
Date: Wed, 20-Mar-85 02:07:08 EST
Article-I.D.: decwrl.1180
Posted: Wed Mar 20 02:07:08 1985
Date-Received: Thu, 21-Mar-85 03:53:03 EST
Organization: DEC Western Software Lab, Los Altos, CA
Lines: 180

I have very strong feelings about software piracy. The widespread tacit approval of piracy, as evidenced by the number of people I know who own stolen software, simply infuriates me. I don't like shoddy journalism either, and understand why Ernie Longmire criticizes many points of the article in Electronic Games. But he too, is guilty of making incorrect and irrelevant accusations, and in doing so is propagating typical pirate justifications for their behavior.

Here is my letter to all of you with stolen software:

Dear Software Pirate,

I ran Volition Systems for awhile. We sold Modula-2 for the Apple II, IBM PC, and Sage II and IV. None of our software was copy-protected: we figured there are honest people and dishonest people, and copy-protection has little to do with the classification.

I got quite a bit of insight into what it takes to develop, sell, and support software for the masses. It isn't easy. I'd like to discuss a few myths that you people are always telling each other and us (I presume to assuage the guilt that must hit you now and again).

MYTH #1: Software is overpriced

Our prices were nowhere near what you would consider reasonable. The cheapest anyone ever got our system, special discounts and everything, was $245 for a single copy.

I did not get rich doing this. I am now working as a programmer for DEC, instead of a capitalist exploiter of the masses, and make nearly twice what I did at Volition.

But, perhaps we should have sold it for $70/copy like Borland - after all, they have done quite well.

Not as many people want to buy Modula-2 as Pascal, sorry. Also, we hadn't the capital to ramp up production to sell stuff as cheaply, nor could we afford the hefty ad budget Borland has. We would have had to settle for the level of after-purchase support most software purchasers have come to expect, rather than the excellent support we wanted to provide.

We did do some experiments with price reduction. Knocking prices down about 25-40% did, indeed, result in increased business. It barely increased total revenues. It did increase phone support, etc. It can be argued that the price reductions didn't pay off. It is almost certain that further reductions would have been death. We sold a lot of systems, we were making a profit, but were nowhere near paying off the development costs incurred.

Frankly, I shouldn't have to give a shit about what you, personally, think is a fair price. I'm no flaming capitalist, but I must admit that, with few exceptions, price should be related closely to maximizing profit (assuming social costs of production, like pollution, have been factored in), and related distantly, if at all, to cost of development and production.

I can (and will) lower my prices in response to (or to scare off potential) competition, but why lower them (and lower profits) because some guy on the street who has no experience with running a company (which I assume describes you) thinks you are ripping me off? If you think my software is horribly overpriced, why, there's a marketing niche for you to fill. YOU find out what it takes to develop what I'm selling, then let's see what YOU price it at. And don't complain if I change my pricing to put you out of business.

What should matter is this: can I keep my company healthy charging the prices I do? If you think my price is too high, fine, don't buy it; obviously other people find it valuable enough that I don't have to worry about people like you. I should ask myself "If I raised (or lowered) prices by $25, how many less (or more) people would buy my product? Does it change my net profit?" I shouldn't have to ask myself "Well, if I raise my price $25, how many more would-be customers would steal rather than buy?" Hardware manufacturers don't have to take this into account, why should I?

And aside from your obvious willingness to commit theft, I have some severe

doubts about your honesty. Most software pirates I've seen are pathetic liars when it comes to words vs. actions. "I would've bought it if it was reasonably priced" is the constant cry of the accused pirate. Yet I know pirates who don't own a single piece of purchased software, save that which came with the machine. Surely, not ALL software is that overpriced? Most of you people wouldn't buy software unless it was priced slightly higher than a blank disk, and then it would be only to save on the hassle of copying.

MYTH #2: If I can't back up software, I have the right to steal it
---

No, that header really doesn't make much sense to me, either. I don't know why so many pirate arguments complain about lack of backup capabilities in a product. Obviously YOU don't have any problems copying disks. Just get the Locksmith parameters from a friend, or work them out yourself.

(And, well, since you went to all that trouble figuring it out, why not run a few copies off for those guys that gave you Zaxxon and PFSFile last week? I mean, hey, think how cool people will think you are at your next Software Ripoff Club meeting if you bring in copies of stuff they couldn't break.)

Again the analogy to hard, physical products. If my car breaks down, even under warranty, about the only thing I can do is take it in to get fixed. Some companies have better warranties than others, and may give me a loaner. I may take this into account when buying a car. But I have no right to steal a car just because I don't like the company's policy on repairs.

If you don't like the way a software product comes, due to backups, licensing, packaging, or because it runs about as fast as a snail in a coma, don't buy it. If enough people share your views, the company will go out of business or change its policies.

MYTH #3: I wouldn't buy it anyway, so I'm not hurting anyone

I'm sure you think I have no right to come into your house to take items which you aren't using, just as I think you have no right to copy software you "weren't going to buy anyway." In both cases neither of us is hurt, right?

Suppose there was some magic way to stop illegal copying of software overnight. Legitimate purchasers could make backups for themselves, could even loan their software to friends (thus depriving the owner of the use of the software until it was returned). What would the computer software industry be like in this ideal world?

Software pirates would have a hell of a lot less software than they own now. They WOULD own more purchased software than they do now. Estimates of pirated copies range from 5 to 10 times legal copies. Now, I know you just told me you wouldn't have bought any of the software you swiped, but are you really going to do without ANY of it? Assume that legal volume goes up maybe

100%.

Prices would be lower, some perhaps down to 60% of current prices, others only 10%; huge jumps down to the prices pirates think "justifiable" would probably not happen. SOME companies that were marginal would be put on a more solid footing; SOME more good software would make it to the marketplace in quantity. Most software companies run a 5 to 30% return; even a 50% increase in sales is going to affect them pretty heavily.

So enough with your lines about "Oh, c'mon, I'm not putting anyone out of business" or "I'm not the one keeping prices high." You are not the only cause when a software company goes out of business, but your decisions DO have a significant impact.

In Summary

Software pirates are pirates. They steal. No amount of argument changes that. Theft is theft, and bullshit is bullshit, and every argument I've seen to justify piracy falls in the latter catagory. No law gives you no right to decide what constitutes a "fair" price or licensing policy, no matter how well you have justified it "morally" in your pointy little head.

When it comes down to my final opinion, the financial condition of software producers, publishers, and pirates don't concern me nearly as much as the moral question, and the number of people who take the question so lightly.

To steal or not to steal.

Some of you think it's okay. To you, let me wish you the worst of luck. I hope you work your ass off on something that means a lot to you, only to have it ripped off when you've finished. It probably won't teach you anything, but at least you'll have gotten what you deserve.

To those who don't steal software, let me commend you. It is frustrating to watch friends build enormous libraries of software thru illegal means, while yours grows slowly. I suspect your concern for fairness extends beyond the purchase of software, and am glad there are people like you in the world.

- Joel McCormack {ihnp4 decvax ucbvax allegra}!decwrl!joel
          joel@decwrl.arpa

--
- Joel McCormack {ihnp4 decvax ucbvax allegra}!decwrl!joel
          joel@decwrl.arpa

From 3450635880737518129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,647633f9c9552020,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 05:50:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: The Cider.
Message-ID: <12065@watmath.UUCP>
Date: Wed, 20-Mar-85 08:50:24 EST
Article-I.D.: watmath.12065
Posted: Wed Mar 20 08:50:24 1985
Date-Received: Thu, 21-Mar-85 01:59:01 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 15

The Cider Hard drive has been given a lot of good reviews, I haven't heard of a bad one yet (from 5 or so reviews). It has been given a review in this

months issue if InCider, and I have heard other similar comments from users on bulletin boards in Michigan. It seems that they have put together a good piece of equipment. It can run 4 (or more) operating systems at once, quite a feat for most hard drives. It runs PASCAL, DOS 3.3, ProDOS, CPM and some others which I have forgotten. It can run 24hrs, with no problems, and is small and quite. All in all I've been given the impression that if you need a hard drive, then this is the one to get. (It's cheaper than the DuoDisk)

Hope this has sparked your interest, but for more information, get a copy of this months InCider.

From 5838291916212682780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5c6f6db83600fb88
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 08:46:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Wanted: Apple Pascal communications
Message-ID: <306@ssc-bee.UUCP>
Date: Wed, 20-Mar-85 11:46:56 EST
Article-I.D.: ssc-bee.306
Posted: Wed Mar 20 11:46:56 1985
Date-Received: Fri, 22-Mar-85 00:41:44 EST
References: <1508@druxv.UUCP>
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 14

If I understand your request, you want to know how to control
a model from Apple Pascal. There is a modem program written in
Pascal in the book "All About Pascal" published by A.P.P.L.E., a
national Apple users group. I don't recall the details, but
a good portion of the program is concerned with setting pointers
to various hardware locations used for modem control. An alternate
approach would be to add a device driver to the BIOS. The same
things would still have to be done in the BIOS, but at least then
it would be mostly transparent to the user program.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From 7546795847777433621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7f693924a1838bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 10:35:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.UUCP
Path: utzoo!utcs!hobie
From: hobie@utcs.UUCP (Hobie Orris)
Newsgroups: net.micro.apple
Subject: Tracy at Islenet
Message-ID: <541@utcs.UUCP>
Date: Wed, 20-Mar-85 13:35:15 EST
Article-I.D.: utcs.541
Posted: Wed Mar 20 13:35:15 1985
Date-Received: Wed, 20-Mar-85 14:22:40 EST
Organization: University of Toronto - General Purpose UNIX
Lines: 8

I was unable to find a path to your site. Please give me some more info.
--

"I'll be back! ... With nuclear weapons!

Hobie Orris   University of Toronto   {decvax|harpo|ihnp4}!utcs!hobie
Computing Services

From 5676960939383418372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,6f2bb13e5bbedd53,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,6f2bb13e5bbedd53,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 10:48:03 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.games,net.micro.apple
Subject: Wizard's Workbench, a no-no
Message-ID: <12070@watmath.UUCP>
Date: Wed, 20-Mar-85 13:48:03 EST
Article-I.D.: watmath.12070
Posted: Wed Mar 20 13:48:03 1985
Date-Received: Thu, 21-Mar-85 02:26:49 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 17
Xref: watmath net.games:1738 net.micro.apple:1770

I just received a letter from Sir-Tech answering my questions about Wizardry, and they recommended me to stay away from the program WIZARD'S WORKBENCH, stating that it could ruin the Wizardry disk, and its use would void the warranty.
Has anybody used this program extensively? Does it really ruin the master disk? Any comments would be appreciated.

On another note, In Wizardry III, if your good party chooses to fight when they come upon the "Fight or Leave in peace" situtation, they could turn into Evil characters as Fighting is an Evil trait. Beware! for now a party can contain all three alignments at once, causing interesting results.

Happy adventuring.

From -4693605438490415410
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ba8aeb54daeb454d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 12:01:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!mit-eddie!godot!harvard!seismo!umcp-cs!gymble!lll-crg!dual!ptsfa!
ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Hardware scrolling cards
Message-ID: <166@ski.UUCP>
Date: Wed, 20-Mar-85 15:01:04 EST
Article-I.D.: ski.166
Posted: Wed Mar 20 15:01:04 1985
Date-Received: Sat, 23-Mar-85 03:26:43 EST
Distribution: net

Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 19

Relative to the 80-column character loss with high baud rates on the
Apple as a terminal ....

It was revealed by Jim Hayes that the problems was not in the SSC
interface, but rather the 80-column firmware that handles scrolling,
and thus loses beginning characters. He recommended a hardware
scrolling card made by Computer Stop, near Hawthorne, CA., which
worked much faster.

This card was for the][and][+ only; it is *NOT* compatible with the
//e. For this reason, it is no longer in production, but they do have
a few cards left. It was one of the very early 80-col. cards, and was
called the Omni-(something). The number is (213) 214-1501.
--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciencs
2232 Webster St; San Francisco CA 94115
415/561-1705
{ucbvax,dual,sun}!twg!ski!dr
dual!ptsfa!ski!dr

From 6612567870060938226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7ba8abd4dfa0420a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,7ba8abd4dfa0420a,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1985-03-20 18:00:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aecom.UUCP
Path: utzoo!decvax!genrad!mit-eddie!godot!harvard!seismo!cmcl2!philabs!aecom!
werner
From: werner@aecom.UUCP (Craig Werner)
Newsgroups: net.micro.apple,net.micro.pc
Subject: 8088 (PC-compatible) card for the Apple ?
Message-ID: <1300@aecom.UUCP>
Date: Wed, 20-Mar-85 21:00:05 EST
Article-I.D.: aecom.1300
Posted: Wed Mar 20 21:00:05 1985
Date-Received: Fri, 22-Mar-85 01:23:35 EST
Distribution: na
Organization: Albert Einstein Coll. of Med., NY
Lines: 13

    Does anyone know of a card for the Apple IIe that gives it MS-DOS
compatiblity. Supposedly one exists.
    (The equivalent of the Quadlink that makes a PC Apple compatible)

Info wanted is who makes it and how much it costs.

Mail me (preferred), or post to .pc (I already have a PC, this is for a friend.)
Thanks
--
Craig Werner
!philabs!aecom!werner
What do you expect? Watermelons are out of season!

From 1145258942939103670
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8deb668f65befaa9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 18:09:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Apple-II Software via Modem
Message-ID: <320@mb2c.UUCP>
Date: Wed, 20-Mar-85 21:09:35 EST
Article-I.D.: mb2c.320
Posted: Wed Mar 20 21:09:35 1985
Date-Received: Thu, 21-Mar-85 04:16:23 EST
Lines: 10

What is the preferred method of transferring Apple-II files (either
Applesoft or binaries) via modem. I am working on an on-line library
on our UNIX system and would like suggestions as to how to store the files.

Please reply via mail; but if the responses get interesting, I'll summarize
for the net.

Thanks.

John E. Duncan   (mb2c!jed)   Michigan Bell Telephone
     (313) 968-9002

From -9047906051134788453
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a524ffeadb9bfb9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-20 20:32:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Undocumented 6502 Opcodes List
Message-ID: <412@aicchi.UUCP>
Date: Wed, 20-Mar-85 23:32:09 EST
Article-I.D.: aicchi.412

Posted: Wed Mar 20 23:32:09 1985
Date-Received: Fri, 22-Mar-85 01:26:17 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 24

Well, I knew if I waited long enough, it was bound to surface! The April 1985 issue of InCider magazine contains a list of undocumented 6502 op codes. The article is located in the Apple Clinic column of the magazine. These op codes are for the Synertek 6502; they may not be applicable to other manufacturers chips.

Note that when you pick this up, instruction $12 does not cause the HCF (halt and catch fire) operation. This, and many other undocumented functions $?2 range are described as "a five cycle instruction which ends with the processor hung at $FFFF; the 6502 must be reset to escape this condition". For that matter, stick your fingers (after grounding) to any of the chips in your Apple after it has been running awhile. They'll probably be rather hot. The HCF is an old "funny op code" from a list of these that was old when I first saw it (> 7 years ago). If anyone wants a list of these, mail me; if enough response, I'll post my list of silly op codes.

Surely you didn't beleive that some software instruction would set a chip on fire ??? :-)
--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 6373365862929059192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-21 12:00:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadovax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!sdcrdcf!trwrb!trwrba!cadovax!keithd
From: keithd@cadovax.UUCP (Keith Doyle)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy (loooong)
Message-ID: <485@cadovax.UUCP>
Date: Thu, 21-Mar-85 15:00:46 EST
Article-I.D.: cadovax.485
Posted: Thu Mar 21 15:00:46 1985
Date-Received: Sat, 30-Mar-85 06:18:34 EST
References: <296@unm-cvax.UUCP>
Organization: Contel Cado, Torrance, CA

Lines: 102
Xref: linus net.games:1240 net.micro.apple:1441

[.....]

Of similar interest, here is a letter found in the mail section of
Unix World, Oct. 84:

Gentlemen:

The feature article "Software Security and the Pin-Striped Pirate," in
the March/April 1984 isisue of UNIX/WORLD was well thought out and
useful. Unfortunately when Mr. Auditore cam to economic analysis,
he merely parroted vendors' claims, which have all teh sophistication
and economic insight of a sales representative calculating the commission.
A more thorough analysis is needed.

One may easily observe: (a) Unsupported (pilfered) copies of commercial
software represent a competeitive force (arguably an unfair one) to
keep prices down. If Context, Lotus, Microsoft, and Sorcim all
announced the withdrawl of their spreadsheet products from the
market and a recall of all copies previously sold, would VisiCorp
respond by selling VisiCalc at $50? (b) The widespread use of unsupported
(including pilfered) software is indicative of how highly the marketplace
values the support currently offered by vendors. One can compare this
to the proliferation of "no-frills" stock brokers, "you-bag-it" grocery
stores, and "self-serve" gas stations. (This should not be taken as
equating the legal status of any of these to pilfered software.)
Only as it becomes uneconomic to pilfer software will it cease.
Do moral preachments and draconian threats have a good track record?

From a sociological perspective, most people whom I have observed
as having any appreciable quantity of unsupported (including pilfered)
software generally have vast heaps of it and never use more than
even a small portion. Others use pilfered software as a result
(they say) of bad experiences with the deplorable quality of software
which they legitimately purchased. Paying several hundred dollars
for a highly touted product to discover that a far less expensive
has far greater functionality can reduce one's good will toward all
manufacturers. One could also easily claim that no company with more
than 10 employees should even pretend that it supports the microcomputer
user (MicroAm and GerundiveStar). I should also note a most
penetrating and provocative analysis of copyright at the end of
"Sony Versus Universal Studies: So What?" in PC Tech Journal, 1:8
(May 1984) pp. 197-201.

Thank you,

Ross Parlette, Bldg. 0010
computer systems specialist
United Technologies Chemical Systems
P.O. Box 50015
San Jose, CA 95150-0015

(408) 779-9121

Authors response:

The perception that software theft is a positive competitive market force is similar to thinking that shoplifting from a department store is helping to keep prices down. Major retail outlets allocate 2-3 percent of the sales total to "lost" merchandise. Clearly they don't accept 2-3 percent less profit. To insure that this percentage does not hit their bottom line, it is added into the price of all products being sold. The software business is much the same. Instead of Mr. Parlette's utopia, where software pirates are keeping software prices down, what we have is the rest of us supporting these Brooks Brothers buccaneers by having the losses attributed to piracy added to the price of our legitimate purchases.

Regarding the value of vendor-offered support, it is important to remember that the software vendor decides what the product is and how much he thinks it's worth. If you don't agree with the vendor's valuation, you don't have to buy it. But one of the options upon disagreement of valuation is not the right to steal it. Certainly a case can be made for "no-frills" software, similar to a self-serve gas station, but remember, you still pay for the gas.

Software piracy is just as much a crime as is shoplifting a pair of Calvin Klein jeans from Macy's. However, because of our inability to fully comprehend the concept of intellectual property, there is no social stigma attatched to the rape and pillage of a software program. Instead the hackers that rip us all off are condescended to: "My, how bright! Isn't that clever?" Indeed. Just as clever as the people who engineered the Brinks robbery or the thugs who robbed the local 7-11 store.

- Steve Auditore

Keith Doyle
{ucbvax,ihnp4,decvax}!trwrb!cadovax!keithd

P.S. I wonder how Steve figures you can know whether or not you agree with the vendor's valuation of his software if you haven't ALREADY bought it.

Personally, what I object to most, is the fact that if I upgrade my computer system to new and better hardware, I have to throw my old software away. After you've bought that same spreadsheet or compiler or whatever enough times, you really begin to wonder what you're getting for your money.

From -8816519608813105141

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f63843c423ed0b2e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-21 12:17:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site wanginst.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!wanginst!vishniac
From: vishniac@wanginst.UUCP (Ephraim Vishniac)
Newsgroups: net.micro.apple
Subject: Adventure for Apple][
Message-ID: <404@wanginst.UUCP>
Date: Thu, 21-Mar-85 15:17:25 EST
Article-I.D.: wanginst.404
Posted: Thu Mar 21 15:17:25 1985
Date-Received: Sat, 23-Mar-85 00:36:25 EST
Distribution: net
Organization: Wang Institute, Tyngsboro, Ma. 01879
Lines: 105

Back in January (or so), I posted an inquiry about the availability
of the original Crowther/Woods Adventure game for the Apple][.
Many people responded helpfully, and many others wanted to know
about it. The following is a summary of the helpful responses.
I've effaced phone numbers and personal mailing addresses, but not
Usenet addresses. If if you want to contact one of these helpful
people, do it through electronic mail, don't bug them on the phone.

One note: I've heard a rumor that the Microsoft Adventure is no longer
sold. Since I was carrying out this whole survey on behalf of a friend,
I haven't investigated this directly.

From: decvax!seismo!ut-sally!usl!rww (Robert W. Walsh)

    I have a copy. It was translated into assembly from the original fortran
but it is complete in every way. You can either call me up directly or you
can send me a disk. Write me and tell me how you would like it.

                                    Robert Walsh
ut-sally \   University of Southwestern Louisiana
          !usl!rww
  akgua /

From: decvax!sdcsvax!sdcc6!ix255 (John Antypas @ UC San Diego)

Microsoft Adventure (PS: Microsoft is on the network - ask them about
it)

John Antypas
UC San Diego
uucp: ...!sdcsvax!sdcc6!{ix255,ir320}
arpa: sdcsvax!sdcc6!{ix255,ir320}@{nosc,Berkeley}

From: decvax!mcvax!jmh@ukc.ac.uk

     As you've probably heard by now, the Microsoft Adventure is a
completely faithful rendition of the Crowther & Woods adventure. Try
your Apple dealer ......

From: decvax!decwrl!unisoft!dina

I think I have it (how do I know if it's "original"?)
A friend gave it to me when I bought my //e two years ago.
Hard to go back to after rogue...

Dina Street
University of California, Berkeley
ucbvax!unisoft!dina

From: decvax!allegra!alice!sdh

If Rainbow Computing still exists, they carry the original. Also try Creative
Computing. I think they also sell it.

From: decvax!ihnp4!ihuxn!mort

to obtain the original crowther and woods adventure, you can do two things:

a. pirate it. i have a copy, if you can't buy it anywhere else. i suppose it's
become sort of public domain. *or*,

b. buy it. try this first; it's legal and honest.

several publishers:

microsoft
10700 northup way
bellevue, washington 98004
$28.95

apple
20525 mariani ave.
cupertino, california 95014
$35

frontier computing
box 402
666 n. main street
logan, utah 84321
$10

       jonathan dubman

long live the original adventure!

From: decvax!ucbvax!ucsfcgl!harrison (Peter Harrison)

>Where can I obtain a version of the original Crowther/Woods (?)
>Adventure game suitable for the Apple][e or][c?
I have a copy of it. I cannot remember where I originally got it from
It will only run in DOS 3.2 and I haven't used that diskette for ?4
years so it may or may not still work. If you send me a blank disk and
postage and mailer I will send it or a copy to you.

Peter Harrison
UUCP: ucbvax!ucsfcgl!harrison
      ucbvax!ucsfmis!harrison
ARPA: ucsfcgl!harrison@berkeley.arpa
      ucsfmis!harrison@berkeley.arpa

--
Ephraim Vishniac
  [apollo, bbncca, cadmus, decvax, harvard, linus, masscomp]!wanginst!vishniac
  vishniac%Wang-Inst@Csnet-Relay

From -3439963333129688390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-21 14:08:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!ittvax!dcdwest!sdcsvax!bob
From: bob@sdcsvax.UUCP (Robert Hofkin)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates
Message-ID: <751@sdcsvax.UUCP>
Date: Thu, 21-Mar-85 17:08:56 EST
Article-I.D.: sdcsvax.751
Posted: Thu Mar 21 17:08:56 1985
Date-Received: Sat, 23-Mar-85 04:10:46 EST
References: <1180@decwrl.UUCP>
Organization: EECS Dept. U.C. San Diego
Lines: 15

Two tangential issues, explaining SOME piracy, but NOT justifying it:

(1) Many pirates are just packrats. They don't use the stuff half the
stuff they have , but keep it around "just in case." Sure, they'd have
to buy programs they *DO* use, but as the cost goes up, the perceived
benefit must increase as well.

(2) A significant amount of software does not do the job as
advertised. Maybe it's buggy, has size limitations, undecipherable, or
the ads lie. I am much less inclined to buy *ANY* package over $50
unless I have strong reasons to believe it will work in my situation.
Few vendors will accept a return on the grounds that "it didn't do what

I wanted." Perhaps some piracy starts as a test-drive. It certainly takes great moral strength to then pay for something you've gotten for free.

From 1056237169160727531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-21 15:09:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site osu-eddie.UUCP
Path: utzoo!watmath!clyde!cbosgd!apr!osu-eddie!elwell
From: elwell@osu-eddie.UUCP (Clayton M. Elwell)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates
Message-ID: <183@osu-eddie.UUCP>
Date: Thu, 21-Mar-85 18:09:28 EST
Article-I.D.: osu-eddi.183
Posted: Thu Mar 21 18:09:28 1985
Date-Received: Fri, 22-Mar-85 03:20:45 EST
References: <1180@decwrl.UUCP>
Reply-To: elwell@osu-eddie.UUCP (Clayton M. Elwell)
Organization: Ohio State Univ., CIS Dept., Cols, Oh.
Lines: 57
Summary:

I applaud Joel's article. I would like to offer a few thoughts of my own, some of which may duplicate Joel's. If so, my apologies in advance.

I was introduced to computers in high school, with all that implies. I learned assembly language on the Apple][and IBM PC by "breaking" (i.e. removing) the copy-protection on a wide variety of software. I did not then own a computer of my own, but my friends thought what I did was wonderful.

Later on, two things happened:

1) Congress passed the Computer Software Copyright Act.
2) I started thinking about what I was actually doing.
   This was prompted by my entry into the field as a
   person trying to *sell* programs to make (at least part of)
   a living.

It's amazing the perspective you gain when it's YOUR program being copied. I have had to discontinue at least one product because of outright theft. We're not talking living-room copying after the computer club meeting; we're talking taking someone else's program, changing it slightly, and selling it to the same market for a ridiculous price. It hurts, in more ways than one.

I have heard many excuses for pirating software; one of my friends is an avid "collector". Most of the disks he has have been used exactly once (to "make sure it works"). Here are some that Joel didn't mention:

"It's only a video game..."

> Most video games worth playing (and thus pirating) are the most sophisticated pieces of software on the market. There's a lot more programming expertise in, say, "Wizardry" than there is in an average accounting system. Think about it: real-time graphics, keeping track of input from multiple sources, etc. Especially on the Apple, getting graphics good enough to give your program an edge in the market is like squeezing blood from a turnip, and gives new meaning to the word "optimization". Every compiler designer should be forced to write a commercially successful video game. But I digress...

"No one will ever know it was me..."

> Possibly so. Would you steal a book (or photocopy the whole thing) for the same reason? Maybe so, but probably not.

The fundamental problem with software piracy is that, while being theft of intellectual property, it bears a very strong resemblence to making backups, which is a very good idea indeed. Pirating doesn't "feel" like a crime. There is, however, no fine line here. It is very simple. Let's say you have a copy of a piece of software. If you own an original through legal means (like buying it), it's a backup. If not, it is a pirated copy.

Think about it, and pretend for a moment that it's YOUR software being pirated.

--Clayton Elwell

From 1840256379486117620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f49e95101f21dba3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-21 21:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site looking.UUCP
Path: utzoo!watmath!looking!brad
From: brad@looking.UUCP (Brad Templeton)
Newsgroups: net.micro.apple
Subject: A few facts about software theft from a real live software developer
Message-ID: <254@looking.UUCP>
Date: Fri, 22-Mar-85 00:00:00 EST
Article-I.D.: looking.254
Posted: Fri Mar 22 00:00:00 1985
Date-Received: Sat, 23-Mar-85 01:42:00 EST
References: <7377@watrose.UUCP>
Organization: Looking Glass Software, Waterloo, Ont
Lines: 49

Some articles posted on the net have contained several misconceptions
that should be cleared up:

1) No program has been severely hurt by software theft, and no company has
   gone undef because of it.

   I hope that the recent articles posted to the net clear this up. There
   are lots of program. And remember, any progam that fails would have
   lasted longer without theft. It's true that lots of things fail from
   bad management - but "bad" management is defined as management that isn't
   good enough to survive under the circumstances. Well widespread theft
   is one of those circumstances that should't be there.

   I myself have essentially left the low-end commodore market because my
   programs (even though they sell for $50) are extensively pirated.

2) If Borland can sell Turbo Pascal for $50 why does other software cost more?

   Remember that Borland is an exception and is currently one-of-a-kind in
   the industry. Every other company that tried $50 software in the
   higher-end markets has died. Borland operates on slim margins with a
   huge advertising budget. It's not the thing a startup can duplicate.

3) Turbo Pascal isn't copy protected

   I've spoken with Philipe Kahn about this personally. This program is
   "copy protected" by a cleverly designed manual that's the wrong size
   and the wrong binding for photocopying.

4) Most software theives wouldn't buy it so a sale isn't lost

   That may be true for some theft, but not in my case. Some of my products
   include system programs like an assembler and other programming tools.
   They are widely stolen, because they are in demand among programmers
   and hobbyists, the people that are the biggest theives (sad to say).
   They only cost $50 and one isn't copy protected. But they are stolen like
   crazy. And the theives are using them, not keeping them on the shelf.
   If you're using a $50 product, you should have paid for it.
   I've even had people come up and complimented me on the products
   when it's clear they stole it.

5) Software is like books, and the book industry survives

   Software is copied perfectly on a disk. You get a copy every bit as
   good as the original. Not so for books and a photocopier. And copying
   a book is a lot of work, and often involves destroying the binding of
   the original.

--
Brad Templeton, Looking Glass Software Ltd. - Waterloo, Ontario 519/884-7473

From -4343542761576615844
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-22 01:34:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!cdshaw
From: cdshaw@watrose.UUCP (Chris Shaw)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates (110 lines)
Message-ID: <7377@watrose.UUCP>
Date: Fri, 22-Mar-85 04:34:03 EST
Article-I.D.: watrose.7377
Posted: Fri Mar 22 04:34:03 1985
Date-Received: Sat, 23-Mar-85 00:38:56 EST
References: <1180@decwrl.UUCP> <183@osu-eddie.UUCP>
Reply-To: cdshaw@watrose.UUCP (Chris Shaw)
Organization: U of Waterloo, Ontario
Lines: 105

Although the article I'm replying to was well-reasoned and contained a lack
of emotionality that other posters should emulate (hint, hint), it seems
to me that there are two questions going unanswered (for me, at least):

1) Does pirating occur to such (or any) degree on larger (non-micro) systems,
   or with systems owned by companies doing a reputable business ?

I don't think so. For the mainframe case, it matters a lot that the soft-
ware works. I suspect any random user can log on & complain about
software not working, and expect to get a response of "we'll fix it", as
opposed to "it's a bootleg, so forget it!". If one does get the "bootleg"
response, a large system would quickly lose customers / be reported.
In any case, the thought of a system manager going out & swapping f77 for
rogue (or whatever) at the nearby hacker meet seems ludicrous.

The same kind of propriety probably forces businesses to buy micro software
as opposed to pirating it. I think that this situation is more likely
to cause pirating than the mainframe case, though.

2) Why doesn't the book industry die due to the ease of photocopying ?

I think there are at least 3 reasons :
  1) Photocopying is harder than disk duplication.
  2) Books are nice in their own form, while a binder fulla photos is
     not so pleasant.
  3) Buying a dozen copies of a book doesn't cost 12 * $600, more like
     12 * $40,   or $7200 vs $480. Now admittedly, it may be hard to sell
     a little bit of software for $40 per copy and make a profit,
     due to disk costs, etc... but I think that more than $10 for production
     costs is silly. (I don't know the hard facts on software prod'n though).

     In fact, I have a war game published by a large general-software

publisher, and they sell public domain games for $7.95 for about 8 or so atari games, $5.95 for p.d. PC software, and $3.95 for Apple stuff. They aren't a charity, so they make some money at this, I'm sure.

Basically, the costs for software are not the cost of copying and distribution, but in the large front-end cost of creating the program to start with. It is a mistake, I think, to go into the software business by starting a company, writing one program, then go beating the streets with your one software product in the hopes of making a million.

Imagine what would happen if you tried to do the same thing in the book business. You would NOT get away with writing your book, starting a publishing firm, and then going bookstore to bookstore to get orders of 50 copies here, 30 copies there at $299 each!!!! For starters, no bank/whatever would finance you.

A lot of people think that getting into the software game is the same as starting a company. I disagree. It is the same as getting into the book-writing business. First, you write a rough draught, take it to publishers, get their interest, then you polish & edit, and hopefully, they publish you. You then sit back & collect 15% royalty and live like a king (or peasant, depending on sales :-).

If your program is going to sell, it will have a MUCH better chance in the hands of an ok publisher than it does in your hands. Why ? Because selling software & writing software are not mutually inclusive. The world's best hacker probably doesn't know sh*t about how to mail-proof diskettes, and he probably doesn't know how to manage a company, either. So why take the risk ?

Now that I have really dug myself in deep, I'll try to get to the point. One thing that people miss is that software always needs documentation. I used to bootleg programs on my Apple, but I soon stopped when I realized that I was filling up perfectly good disks with programs I'd never use and that I had no idea how to use properly in the first place. It soon hit me that I would have to rip off documentation, as well. So now I have only half my disks with useless crap on them, plus a bookshelf full of various binders with documentation that doesn't match the software & isn't complete, all in lousy photocopy.

The good software publisher also sends a good book along with the disk, and to me, it's the book that you really need. The software is probably useless without the documentation, anyway. If you're a really determined thief, you'll steal both the software and the disk. On the other hand, such theives are not so prevalent, since there's no challenge to photocopying, just work. And since you're paying $40-60 for a book, do you think a looseleaf binder with lousy photocopies of a badly-organized manual is acceptable ? Not likely. More likely you want to pay $40-60 for a well-bound paperback, at the very least, and a hardcover as a bonus !!

> What is needed in the software biz is the realization that happens to all booming but maturing businesses. There will be no more of the old days, and not quite so many young pioneers in the biz that there used to be. From now on (+ 2-4 years) there will be no more one-product software houses that make a small killing. Just as there will be no more huge 1-product car companies, or huge 1-product mainframe makers. There will only be the Borland's of this world, who will make either a large killing or die in the price competition.
>
> This isn't say that software writing won't be done anymore, just not the same way. Prices will come down due to real competition, and pirating will stop because there is no more need of it.

I welcome any comment on this, but please, no emotionalism,
Thank-you
Chris Shaw
University of Waterloo

From -5035128165646356532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-22 10:44:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!we53!busch!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates
Message-ID: <237@wuphys.UUCP>
Date: Fri, 22-Mar-85 13:44:27 EST
Article-I.D.: wuphys.237
Posted: Fri Mar 22 13:44:27 1985
Date-Received: Sun, 24-Mar-85 03:55:07 EST
References: <1180@decwrl.UUCP>
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 26

One myth you forgot about is the one that says "Well geewhiz, I mean things like books and records and movies aren't copy-protected and those folks manage to get rich. The same should apply to software."

This is one of the rationales that people like Jerry Pournelle use to argue with software developers. The difference here is quantitative (you know, numbers and stuff) rather than qualitative (motherhood, patriotism, solar energy for the masses). How many people can read? How many can get to a theater? How many have access to a record player? Now..... how many people have computers?

Every business in the world that plans on being here for more than a couple of days has to have information on the market for which his

products are intended. He needs to apply this information in his overall retailing strategy. And this includes the price he must charge for those products. Right now *ALL* computer software is distributed to a vertical market because, let's face it, the average consumer does *NOT* own a computer.

That's all,

Frank
wuphys!fek

From -9018229522442104854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5c6f6db83600fb88
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-22 11:04:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!sdcsvax!sdcc3!sdcc6!ir320
From: ir320@sdcc6.UUCP (ir320)
Newsgroups: net.micro.apple
Subject: Re: Wanted: Apple Pascal communications
Message-ID: <1981@sdcc6.UUCP>
Date: Fri, 22-Mar-85 14:04:02 EST
Article-I.D.: sdcc6.1981
Posted: Fri Mar 22 14:04:02 1985
Date-Received: Tue, 26-Mar-85 03:50:42 EST
References: <1508@druxv.UUCP> <306@ssc-bee.UUCP>
Reply-To: ir320@sdcc6.UUCP ()
Organization: U.C. San Diego, Academic Computer Center
Lines: 17
Summary:

There are also two other ways around this problem. The first is to just drop a serial com. card (from Apple) into slot #2. The P-System will recognize it and call it REMIN: and REMOUT: Just read and write the date from these units. P-System takes care of the rest.

All About Pascal from Call Apple does indeed have a Micromodem II compatable program for telecommunications, but then again, it's nothing like P-Term -- ie the Z-term of the Pascal-World. If you just want to talk to a serial card, why don't you just simply peek and poke memory locations in varient records, or if you must, you can use assemly language and link it to the host.

John Antypas
UC San DIego

uucp: ...!{ucbvax,ihnp4,dcdwest,akgua,bmcg}!sdcsvax!sdcc6!ix255
arpa: sdcc6!ix255@sdcsvax

From 5381415170896976008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,6f2bb13e5bbedd53
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,6f2bb13e5bbedd53
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-22 17:16:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!linus!philabs!cmcl2!lanl!unmvax!unm-cvax!cs2532aa
From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Re: Wizard's Workbench, a no-no
Message-ID: <306@unm-cvax.UUCP>
Date: Fri, 22-Mar-85 20:16:40 EST
Article-I.D.: unm-cvax.306
Posted: Fri Mar 22 20:16:40 1985
Date-Received: Thu, 28-Mar-85 00:50:36 EST
References: <12070@watmath.UUCP>
Reply-To: cs2532aa@unm-cvax.UUCP (John Bigboote')
Organization: Yoyodyne Propulsion Systems
Lines: 32
Xref: watmath net.games:1767 net.micro.apple:1799

> From: hardware@watmath.UUCP (MFCF Hardware Lab)

> I just received a letter from Sir-Tech answering my questions about Wizardry,
> and they recommended me to stay away from the program WIZARD'S WORKBENCH,
> stating that it could ruin the Wizardry disk, and its use would void the
> warranty.
> Has anybody used this program extensively? Does it really ruin the master
> disk? Any comments would be appreciated.

I suspect that Sir-Tech doesn't want you to use WIZARD'S WORKBENCH in general because it allows people to create their OWN Wizardry scenarios, thus cutting down on the market for Sir-Tech developed ones. I have seen the program but have not used it. It will only "ruin" your master disk in the sense that it will alter the data on it and if you don't know what you're doing it could mess things up a bit. Just don't alter your original Scenario Master. (It's a good idea to never even PLAY off of the original of the SM, because the shopkeeper keeps totals for the whole disk, and rare items hauled in by earlier parties would be in his shop already. Ik! Also, what if something goes *munch*?)

Anyway, just back up your SM before you edit it with WW. WW is quite impressive, as is its counterpart, "Exodus Construction Set".

By the way, to the "No Cheating!" freaks, I do not believe that WW allows you to edit the characteristics of active players. But if you can turn Werdna into a lousy Orc, who needs to?

.rne.

Real World . . Ernie Longmire / 311 Don St. SE / Los Lunas, NM 87031-9405
UUCP . . . . . {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2532aa
---

From -3000650598481883185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-23 01:04:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!reed!bart
From: bart@reed.UUCP (Bart Massey)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy (loooong)
Message-ID: <1150@reed.UUCP>
Date: Sat, 23-Mar-85 04:04:48 EST
Article-I.D.: reed.1150
Posted: Sat Mar 23 04:04:48 1985
Date-Received: Tue, 26-Mar-85 06:39:08 EST
References: <296@unm-cvax.UUCP>
Organization: Reed College, Portland, Oregon
Lines: 10
Xref: watmath net.games:1756 net.micro.apple:1792

> Dear net.games and net.micro.apple readers:
>
> What follows is a copy of a letter that I sent yesterday to Roe Adams, late
> of Softalk, and now National Editor of Electronic Games magazine.

    Amen. This is a better statement of my feelings on the subject than
I could have made myself...

                  Bart Massey
                  ...tektronix!reed!bart

From -6619735804802264878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f49e95101f21dba3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 07:38:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!aicchi!sjk
From: sjk@aicchi.UUCP (Ksiazek)

Newsgroups: net.micro.apple
Subject: Re: A few facts about software theft from a real live software developer
Message-ID: <417@aicchi.UUCP>
Date: Mon, 25-Mar-85 10:38:37 EST
Article-I.D.: aicchi.417
Posted: Mon Mar 25 10:38:37 1985
Date-Received: Tue, 26-Mar-85 04:47:29 EST
References: <7377@watrose.UUCP> <254@looking.UUCP>
Reply-To: sjk@aicchi.UUCP (Ksiazek)
Organization: Analysts International Corp; Chicago Branch
Lines: 13
Summary:

>5) Software is like books, and the book industry survives
>
>   Software is copied perfectly on a disk. You get a copy every bit as
>   good as the original. Not so for books and a photocopier. And copying
>   a book is a lot of work, and often involves destroying the binding of
>   the original.
>--
>Brad Templeton, Looking Glass Software Ltd. - Waterloo, Ontario 519/884-7473

Not only do books photocopy terribly, who would pay 5 to 10 cents per page
for these terrible copies.A four hundred page book even with 2 pages xeroxed
on one sheet still costs ~ $20.

From 6458551572798547956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 08:59:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!ihlpg!timborn
From: timborn@ihlpg.UUCP (Tim Born)
Newsgroups: net.micro.apple,net.lang.pascal
Subject: Apple Pascal Debugger
Message-ID: <292@ihlpg.UUCP>
Date: Mon, 25-Mar-85 11:59:12 EST
Article-I.D.: ihlpg.292
Posted: Mon Mar 25 11:59:12 1985
Date-Received: Tue, 26-Mar-85 04:46:32 EST
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 9
Xref: watmath net.micro.apple:1790 net.lang.pascal:270

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
Apple Pascal has a prompt for a debugger, but no debugger. Does anyone have,

or know of a debugger for Apple Pascal? I'm running into errors that are becoming increasingly obscure; I sure could use ITS or sdb about now.

Any pointers appreciated.

Tim Born
...ihnp4!ihlpg!ihduck

From 7472905813610609960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ecf2481ba7feff43,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 09:04:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!gymble!lll-crg!dual!decwrl!dec-rhea!dec-ny1mm!crean
From: crean@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: Need Coleco ADAM info.
Message-ID: <1294@decwrl.UUCP>
Date: Mon, 25-Mar-85 12:04:48 EST
Article-I.D.: decwrl.1294
Posted: Mon Mar 25 12:04:48 1985
Date-Received: Sat, 30-Mar-85 07:48:04 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 49

There's not really a "right" newsgroup for this question, so I'm posting it to several. It's a personal computer question, and I'm hoping that some of the readers of this newsgroup might just be able to help. . .

Recently, Coleco announced that they were dumping the ADAM personal computer. Since then, the system has become available at some large discount toy stores at extremely attractive prices. (i.e. < $300.00). As I am a collector of personal computers, this has picqued my interest. However, I know next to nothing about ADAM, and would like to have the input of some people who do know about it.

Specifically, what sort of software is available? Is it any good? Is the "built-in" word processing software any good? The box says ADAM BASIC is "source code compatible" with AppleSoft BASIC -- can I take that literally? The box mentioned an optional disk drive as a future -- did that ever come to pass? What about the price? Can I reasonably expect it to come down any further, after the "liquidator" has recovered their investment? How readily available are they? Have you seen many of them lying about? (I'm concerned that the supply might dwindle before I've made my decision.)

Also, I am a hardware hacker, and would be curious to learn what I can about the innards of this beast. In particular, how difficult might it be to get

ADAM to talk to my other machines (e.g.: Atari, Commodore, DEC)?

To re-iterate: I know NOTHING about ADAM, and so ANY information AT ALL would be greatly appreciated. (Even if it might seem like a trivial comment.) Also, pointers to good resources for further research would be appreciated. (i.e.: Is there a magazine that addresses the ADAM? Any reliable mail-order sources for software/hardware?)

Since I don't monitor all of the newsgroups to which I'm posting this, Email to would be preferable. I'll gladly summarize what I learn and post it here.

Many thanks,

 Kevin Crean
 DIGITAL Equipment Corp.

 U.S. Mail: 200 White Plains Road
             Tarrytown, NY 10591

 Telephone: (914) 684-5721

 UUCP: ...decvax!decwrl!dec-rhea!dec-ny1mm!crean

 Internet: crean%ny1mm.DEC@decwrl.ARPA

 Disclaimer: This space intentionally left blank.

From 2021491677725991800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7a5c1033ef1e5e52,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 10:59:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek
From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: 80 column screen addressingon the IIe.
Message-ID: <398@utai.UUCP>
Date: Mon, 25-Mar-85 13:59:58 EST
Article-I.D.: utai.398
Posted: Mon Mar 25 13:59:58 1985
Date-Received: Mon, 25-Mar-85 14:21:54 EST
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Distribution: net
Organization: CSRI, University of Toronto
Lines: 20
Summary:

I am attempting to develop some software for the Apple II line and have run into a problem with the Apple IIe. My software uses the goto-x-y cursor addressing string extensively (^^xy) to move around

th screen.
    Although it works fine on the II+ (and compatibles) with several types of 80-column card, it doesn't work on the IIe. When it tries to go to a screen location on the IIe, it sometimes moves the cursor to the right place, and sometimes moves it to a location that is off by one row.
    Since I don't have a IIe myself, I am having a hard time figuring out what's going on. I've checked the IIe 80-column manual & have found little inspiration. Incidentally, I'm using the "pascal entry point" at $c9aa to talk to the card. Anybody got any help to offer? Please?
    In addition, I have found that on carriage return, the IIe and the II+ do not behave consistently. In particular, if the 8th bit in on, the IIe emits a line feed while the II+ does not. If the 8th bit is off, the IIe ignores the carriage return (prints a "M") while the II+ does a return and line feed. What a pain!
    Greg Dudek.
    CSNET: dudek@toronto
    UUCP: {a whole bunch of sites}!utcsri!dudek

From 5499765868762124443
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 11:10:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!decwrl!dec-rhea!dec-ny1mm!district
From: district@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: Piracy????
Message-ID: <1309@decwrl.UUCP>
Date: Mon, 25-Mar-85 14:10:45 EST
Article-I.D.: decwrl.1309
Posted: Mon Mar 25 14:10:45 1985
Date-Received: Thu, 28-Mar-85 01:00:23 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 40

Hi All. My name is DOCTOR VAX and as a PIRATE I would like to answer some of the STUPID statements of Joel McCormack.....

  I have read his letter many times and still see the same thing. He had[has] a company that sold a fairly expensive product. This is not bad in itself,but his product was SHIT!!! Take it from me I know. He acknowledges that he didn't have the capital to ramp up production. Well Joel it takes money to make it. You obviously didn't and tried to SNEAK by with a product that YOU thought would make it. Bad business JOEL !! You also tried to recoop your development cost to soon. Bad move again. Then you started discounting with big numbers. Tcchh Tccch.... Bad again. When that happens most intelligent people [dealers to] see the writing on the wall. Jeez did you ever take a Business or marketing cost??? You also stated that you didn't give a shit about what we think is a

fair price. That's true for me, but what about the people out there that want to buy it. Your software was just overpriced and not that GOOD [ouch!]

About MYTH #2

I DO have the RIGH{ to back up MY software. Look into the Laws you jerk. Your anlogies to the car holds no water. If my car breaks down my business will not suffer. Without a backup it will!!! You also stated that if I[we] don't like theway software is packaged,licensed etc then don't buy it. Well thats what we did and thats why your working for DEC [ouch that hurt]. By virtue of you now working for dec means one of two thing. You talk good shit and got or job or you are a good programmer. I hope its the latter. A good businessman your not.

About MYTH #3

The estimates of 5-10 times the legal copies is just that. An estimate. Prices would not come down as much as you think. The people that are still in business like Broderbund,PFS,Quark,Penguin etc have low prices already. The software is selling good too. Not because its cheap,but because its GOOD. The best example is BEAGLE BROS. utilites for the Apple. NEVER has ANY of there software been protected!!!!!! They're doing just fine. Ask Bert.

I have around 500 disks worth of software [not yours I deleted it] and some I bought and most I got. Also your statement most pirates are pathetic liars is a bunch of bullshit!!! You must know some shit people [birds of a feather... All of the Pirates I know are ok people. We don't hurt any company. If your software is good it'll sell if not well.....

So in Summary it sounds like your just a pissed off [on] businessman and looking for a SCAPEGOAT. As for the MORALITY of it YOUR FULL OF SHIT!!!!!!!!!!!!!

I DIDN'T BRING DOWN YOUR BUSINESS-----YOU DID. YOU DIDN'T KNOW HOW TO RUN IT
YOUR AN ASSHOLE. YOU FAILED AND CAN'T ADMIT IT!!!
IF AND WHEN YOU HAVE SOME GOOD SOFTWARE LET ME KNOW. I'D LIKE TO SIGN IT

DOCTOR VAX LATER!!!!!!!!!!!!!

From 8213326600420455593
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-25 20:24:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site spp2.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!trwrb!trwspp!spp2!jhull
From: jhull@spp2.UUCP (Jeff Hull)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy (loooong)
Message-ID: <498@spp2.UUCP>
Date: Mon, 25-Mar-85 23:24:43 EST
Article-I.D.: spp2.498
Posted: Mon Mar 25 23:24:43 1985
Date-Received: Thu, 28-Mar-85 01:13:20 EST
References: <296@unm-cvax.UUCP> <485@cadovax.UUCP>

Reply-To: jhull@spp2.UUCP (Jeff Hull)
Organization: TRW, Redondo Beach CA
Lines: 115
Xref: watmath net.games:1769 net.micro.apple:1804
Summary: Let's look for positive solutions.

Rather than demeaning ourselves & destroying our personal integrity by
stealing the stuff, let's find a positive solutions to the challenge.
I like the one practiced by Borlund. They saw a market & filled it
with a product that does its job at a price anyone can afford.

>Of similar interest, here is a letter found in the mail section of
>Unix World, Oct. 84:
>
>...vendors' claims ... have all the sophistication
>and economic insight of a sales representative calculating a commission.
>A more thorough analysis is needed.

You bet it is, & the combined smarts of the people who created
the system (that's us, folks) can find creative solutions to
anything we want to find solutions for. If we don't, it's just
because we don't choose to.

>...Only as it becomes uneconomic to pilfer software will it cease.
>Do moral preachments and draconian threats have a good track record?...

This is the real cruncher. We have no business trying to stop people
from doing whatever they choose to do, but we can make it easier to buy
than to steal.

>Others use pilfered software as a result
>(they say) of bad experiences with the deplorable quality of software
>which they legitimately purchased. Paying several hundred dollars
>for a highly touted product to discover that a far less expensive
>has far greater functionality can reduce one's good will toward all
>manufacturers.

Clearly, the answer here is to encourage software vendors to price
their products competitively & to offer user support. How do we do
that? With our pocketbooks. Buy only from companies that support us.
Another powerful tool is reverse engineering. If the only companies
that offer a product price it too high, that leaves a market slot for
someone else to take advantage of (a la Borlund).

>Authors response:
>
>...what we have is the rest of us supporting these Brooks Brothers
>buccaneers by having the losses attributed to piracy added to the
>price of our legitimate purchases.

This is only half the cost & it is far too high. The rest of the cost
is loss of our own self-esteem (that's right, you are too inadequate
to ever be able to get that software honestly. You had to steal it.
Even if you had the money, you aren't worth having it honestly; you
don't deserve to have it.)

>Regarding the value of vendor-offered support, it is important to remember
>that the software vendor decides what the product is and how much he thinks
>it's worth. If you don't agree with the vendor's valuation, you don't
>have to buy it. But one of the options upon disagreement of valuation is
>not the right to steal it. Certainly a case can be made for "no-frills"
>software, similar to a self-serve gas station, but remember, you still
>pay for the gas.

An example of a positive solution here is the myriad of companies
offerring dBase classes & pre-processors. The same solution is
available to all other software markets.

>Software piracy is just as much a crime as is shoplifting a pair of
>Calvin Klein jeans from Macy's. However, because of our inability to
>fully comprehend the concept of intellectual property, there is no
>social stigma attatched to the rape and pillage of a software program.
>Instead the hackers that rip us all off are condescended to: "My, how
>bright! Isn't that clever?" Indeed. Just as clever as the people
>who engineered the Brinks robbery or the thugs who robbed the local
>7-11 store.
>
>- Steve Auditore

Steve hits the nail right on the head; the highest cost of software
piracy is the destructive effects of our attitudes about it.

In article <485@cadovax.UUCP> keithd@cadovax.UUCP (Keith Doyle) writes:
>P.S. I wonder how Steve figures you can know whether or not you agree
>with the vendor's valuation of his software if you haven't ALREADY
>bought it.

I agree with Keith's complaint about valuation, so let's encourage (by
shopping at) stores that offer in-store (& at-home) testing of
software packages.

>Personally, what I object to most, is the fact that if I upgrade my
>computer system to new and better hardware, I have to throw my old
>software away. After you've bought that same spreadsheet or compiler
>or whatever enough times, you really begin to wonder what you're getting
>for your money.

I agree with Keith's complaint about upgrading our computer systems,
so let's encourage companies to develop upgrade & enhancement policies

that will let us return our existing software for the comparable
product for our new system. Realize that the company will have to
charge an upgrade fee. Be willing to pay it while we encourage the
company to keep it reasonable.

Sorry for rambling on so long, but this seems important enough to
warrant it.

--
 Blessed Be,

 Jeff Hull   {decvax,hplabs,ihnp4,scdrdcf,ucbvax}
 13817 Yukon Ave.   trwrb!trwspp!spp2!jhull
 Hawthorne, CA 90250

From -5899659355416645766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 06:15:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site bunkerb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!ittvax!bunkerb!pop
From: pop@bunkerb.UUCP (Paul Pederson)
Newsgroups: net.micro.apple
Subject: Re: Piracy????
Message-ID: <456@bunkerb.UUCP>
Date: Tue, 26-Mar-85 09:15:39 EST
Article-I.D.: bunkerb.456
Posted: Tue Mar 26 09:15:39 1985
Date-Received: Thu, 28-Mar-85 01:17:24 EST
References: <1309@decwrl.UUCP>
Organization: Bunker Ramo, Trumbull Ct
Lines: 46

> Hi All. My name is DOCTOR VAX and as a PIRATE I would like to answer some
> of the STUPID statements of Joel McCormack.....
>
>   I have read his letter many times and still see the same thing. He had[has]
> a company that sold a fairly expensive product. This is not bad in itself,but
> his product was SHIT!!! Take it from me I know. He acknowledges that he didn't

     The issue here DOCTOR VAX, is not how good or bad a product is, but
what software pirating is doing to the computer software industry. By now,
I am sure that you have recieved the personal response which I have sent you.
You would be well advised to read it, probably several times.

     The fact remains that it is ILLEGAL to copy programs and distribute
them to anyone, whether free of charge or not, if they are registered with
the library of congress and protected under the copyright laws of the

United States.

I applaud Lotus Development Corporation in their attempts to crack down on software piracy. To date I am aware that they have stopped at least two major software pirates. One of the software pirates was distribuing free copies of 1-2-3 among nursing homes. His piracy cost the firm which owned the nursing homes something like $1,000,000. The other piracy case was resolved for a similar sum of money.

> I DIDN'T BRING DOWN YOUR BUSINESS-----YOU DID. YOU DIDN'T KNOW HOW TO RUN IT
> YOUR AN ASSHOLE. YOU FAILED AND CAN'T ADMIT IT!!!
> IF AND WHEN YOU HAVE SOME GOOD SOFTWARE LET ME KNOW. I'D LIKE TO SIGN IT
>
>
> DOCTOR VAX LATER!!!!!!!!!!!!!

DOCTOR VAX, did you know that the above statement could cost you a lot of money? Calling, or even implying, that someone is an ASSHOLE could be subject to litigation. If the person whom you have directed the comment to feels that he has been defamed, he could sue you for actual and punitive damages.

In the future, DOCTOR VAX, I suggest that you keep a civilized tongue. Not only may you have just damaged the reputation of the one whom you have directed your comments to, you may very well have damaged the reputation of the company you represent. It is DEC Engineering Network, isn't it? How about the bad image you have just given DEC itself?

-Paul O. Pederson

{ittvax, philabs, decvax}!bunkerb!pop

From 1130567079598582650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 06:20:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gcc-bill.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!gcc-bill!brad
From: brad@gcc-bill.ARPA (Brad Parker)
Newsgroups: net.micro.apple
Subject: Re: Piracy????
Message-ID: <244@gcc-bill.ARPA>
Date: Tue, 26-Mar-85 09:20:16 EST
Article-I.D.: gcc-bill.244
Posted: Tue Mar 26 09:20:16 1985
Date-Received: Fri, 29-Mar-85 03:09:45 EST
References: <1309@decwrl.UUCP>
Reply-To: brad@gcc-bill.UUCP (Brad Parker)
Organization: General Computer Company, Cambridge Ma (Home of the HyperDrive)

Lines: 19
Summary:

In article <1309@decwrl.UUCP> district@ny1mm.DEC writes:
>Hi All. My name is DOCTOR VAX and as a PIRATE I would like to answer some
>of the STUPID statements of Joel McCormack.....
>
>I DIDN'T BRING DOWN YOUR BUSINESS-----YOU DID. YOU DIDN'T KNOW HOW TO RUN IT
>   YOUR AN ASSHOLE. YOU FAILED AND CAN'T ADMIT IT!!!
>IF AND WHEN YOU HAVE SOME GOOD SOFTWARE LET ME KNOW. I'D LIKE TO SIGN IT
>

Well, I'm glad to see that the quality of usenet postings hasn't degraded
during my week long absence.

--

J Bradford Parker
uucp: seismo!harvard!gcc-bill!brad

"I've seen this happen in other people's lives...
     and now it's happening in mine."   -The Smiths

From 4056073286958733245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,be822ca0c565fcb6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 06:30:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihu1m.UUCP
Path: utzoo!decvax!harpo!whuxlm!whuxl!houxm!mhuxt!mhuxr!ihnp4!ihu1m!wiso
From: wiso@ihu1m.UUCP (wisowaty)
Newsgroups: net.micro.apple
Subject: aztec C65 on //e
Message-ID: <360@ihu1m.UUCP>
Date: Tue, 26-Mar-85 09:30:23 EST
Article-I.D.: ihu1m.360
Posted: Tue Mar 26 09:30:23 1985
Date-Received: Tue, 26-Mar-85 18:53:54 EST
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 15

I've recently run into a screen formatting problem using the shell
libraries for Aztec C65. Specifically, my //e (I don't know if this
applies to //'s and //+'s) can control the location of the scrollable
window by poking into memory locations 34&35. This does not seem to
be supported by the kb_ctl command which duplicates the Apple calls
to clear the screen or clear a line or home the cursor, etc. If I
directly change the memory locations 34&35 in a C program by assigning
appropriate values to a pointer, the assignment works but the shell
immediately changes the values back to the defaults. This problem

does not occur if I'm working with stand-alone libraries so the shell
must be the culprit. Does anyone know how to get around this problem
or have a copy of the shell source code?

Jack Wisowaty
ihu1m!wiso

From -8732302722987788906
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 06:58:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP (D Gary Grady)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates
Message-ID: <908@ecsvax.UUCP>
Date: Tue, 26-Mar-85 09:58:20 EST
Article-I.D.: ecsvax.908
Posted: Tue Mar 26 09:58:20 1985
Date-Received: Thu, 28-Mar-85 00:59:25 EST
References: <1180@decwrl.UUCP>, <1384@sunybcs.UUCP>
Organization: Duke U Comp Ctr
Lines: 15

Thanks to an agreement with Borland, Turbo Pascal is sold on this campus
for a ridiculously low price (about $30 or less, which is WAY below the
already modest price of this package). Result? Students are stealing
copies. I've become so hardnosed I won't help anyone who doesn't have a
manual. What does this say about the widely-heard theory that piracy
exists because software is low-quality or overpriced? (Aside: students
have told me that their instructors have told them not to bother buying
the package! I find it amusing that universities are way behind the
business community in standards of ethics...)

--
D Gary Grady
Duke U Comp Center, Durham, NC 27706
(919) 684-3695
USENET: {seismo,decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From -3834377867193713613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 07:06:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP (D Gary Grady)
Newsgroups: net.micro.apple
Subject: Re: Piracy????
Message-ID: <909@ecsvax.UUCP>
Date: Tue, 26-Mar-85 10:06:20 EST
Article-I.D.: ecsvax.909
Posted: Tue Mar 26 10:06:20 1985
Date-Received: Thu, 28-Mar-85 00:59:54 EST
References: <1309@decwrl.UUCP>
Organization: Duke U Comp Ctr
Lines: 12

> Hi All. My name is DOCTOR VAX and as a PIRATE I would like to answer some
> of the STUPID statements of Joel McCormack.....

Thank you, thank you, thank you "Doctor VAX" for making my day. This
was the funniest parody of an illiterate, half-vegetable, brainless,
underevolved software pirate I have read in many a moon. Might I
suggest you submit it to the New Yorker? Whee! Loved it!
--
D Gary Grady
Duke U Comp Center, Durham, NC 27706
(919) 684-3695
USENET: {seismo,decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From -2052002191818134812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 10:30:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-ngp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!ut-sally!ut-ngp!mercury
From: mercury@ut-ngp.UUCP (Larry E. Baker)
Newsgroups: net.micro.apple
Subject: Re: Piracy???? (Flame response)
Message-ID: <1492@ut-ngp.UUCP>
Date: Tue, 26-Mar-85 13:30:14 EST
Article-I.D.: ut-ngp.1492
Posted: Tue Mar 26 13:30:14 1985
Date-Received: Thu, 28-Mar-85 02:38:32 EST
References: <1309@decwrl.UUCP>
Organization: University of Texas at Austin
Lines: 54

][

From: district@ny1mm.DEC (1309@decwrl.UUCP)

> Hi All. My name is DOCTOR VAX and as a PIRATE I would like to answer some
> of the STUPID statements of Joel McCormack.....

Wouldn't this tone be better off in net.flame?

> his product was SHIT!!! Take it from me I know. He acknowledges that he didn't
I think this is uncalled for. Whether or not the product was worth
anything at all, it is not nececssary to publicly insult Joel and/or
his work. I see you have asked us to belive you but you have cited no
specifics as to *why* his product 'was SHIT', nor have you given us
any reason to accept your credibility.

> I DO have the RIGH{ to back up MY software. Look into the Laws you jerk......
  ....
> did and thats why your working for DEC [ouch that hurt]. By virtue of you
> now working for dec means one of two thing. You talk good shit and got or
> job or you
> are a good programmer. I hope its the latter. A good businessman your not.

I don't see how this has any revelant bearing on the subject being
discussed. I infer from your 'ouch that hurt' that you have a rather
low opinion of DEC, yet you call yourself 'Doctor VAX'.

> I have around 500 disks worth of software [not yours I deleted it] and some

And I bet you use it all, every day. Let's see, 500 disks at about $5
a pop...that's about $2500 you have invested in an inert software
library. I can see a real need for about 15 or 20 text editors, 5 or
6 spreadsheets, etc., and I'll bet you just have shelves and shelves
of the documentation that makes it useful at all.

> So in Summary it sounds like your just a pissed off [on] businessman
> and looking for a SCAPEGOAT. As for the MORALITY of it YOUR FULL OF SHIT!!!!!
>
> I DIDN'T BRING DOWN YOUR BUSINESS-----YOU DID. YOU DIDN'T KNOW HOW TO RUN IT
>   YOUR AN ASSHOLE. YOU FAILED AND CAN'T ADMIT IT!!!
> IF AND WHEN YOU HAVE SOME GOOD SOFTWARE LET ME KNOW. I'D LIKE TO SIGN IT

Somehow I get the feeling that you've never read net.announce. This
kind of writing is extreme even for net.flame. Just ask Ken Arndt.

I'm sorry if this response sounds like the picky kind of flaming that
goes on periodically about spelling, english, grammer, etc. but this
person really rubs me the wrong way. I've been reading the net for
about 6 months, and I have yet to see a letter as openly insulting and
pointless as this one outside of net.flame.

--
- Larry Baker @ The University of Texas at Austin
- ...{seismo!ut-sally | decvax!allegra | tektronix!ihnp4}!ut-ngp!mercury

From -8451208093246899844

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2b3272bbc44b6f66,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 18:07:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!decwrl!
joel
From: joel@decwrl.UUCP (Joel McCormack)
Newsgroups: net.micro.apple
Subject: Reply to Dr. Vax (not a PhD. in lit, I presume)
Message-ID: <1338@decwrl.UUCP>
Date: Tue, 26-Mar-85 21:07:54 EST
Article-I.D.: decwrl.1338
Posted: Tue Mar 26 21:07:54 1985
Date-Received: Tue, 2-Apr-85 20:19:26 EST
Organization: DEC Western Software Lab, Los Altos, CA
Lines: 63

Dear Dr. Vax:

Suggestion #1: learn how to read. Suggestion # 2: learn how to write.

I never blamed software pirates for putting Volition out of business.
(Volition still is in business. It is bankrupt, but that was caused by
infighting among stockholders, not by external business practices.)

We had a lot of customers who not only BOUGHT our "overpriced" software, but
wrote or called to tell us how much they liked it. Lowering our prices
brought in more money and orders; I was simply making the point that more
orders does not mean more profit. And profit margins at $70 a copy are
pretty slim. I also stated that I should worry about my prices in terms of
honest buyers, but should not have to worry about thiefs when setting prices.

Being intimately aquainted with copyright law and its relevance to
computers, I never stated you have no right to back up software. (Actually,
depending on how you purchased your software, you really might not have such
a right.) Volition did not "license" your use of an object copy, it sold
the copy and included a little notice of your rights under copyright law.
This included making backups, and selling your copy (in which case you
should either also transfer ownership of the backups, or destroy them.)
In any case, however, you have no right to own or backup any stolen software.

(By the way, I talk good shit AND am a good programmer. What a combo!)

Lots of people still in business charge very high prices. The value of the
software to the purchaser is what counts: if an honest purchaser sees that a
$2000 piece of software will save him $4000 in a year, he is likely to buy a
copy. It doesn't really matter if it took the programmer 45 (very productive)
minutes or 3 years to write the program. If it is the only thing available,
and cost-effective, it makes sense to buy it.

You stated you have 500 disks of software, most of which is stolen. How
badly would you be hurt if I came and stole it back, and magically prevented
you from replacing it? Would you do without ALL of it? Would you get other
programs that perform a similar function?

There are plenty of stupid things I will admit to, but bringing down
Volition is not one of them. Neither did I blame pirates. I simply said
there is no moral justification whatsoever for pirating. You have yet to
tell me convincingly why I should change that position.

And why should I listen to someone who will rant and rave for a page, yet
not even give their name? If you are doing nothing wrong, why not admit who
you are?

- Joel

P.S. to the world.

I have gotten several private responses about software piracy, and will
summarize them when the flow seems to stop. The general feeling, aside from
the anonymous "DOCTOR VAX" is that piracy is indeed illegal, immoral, and
has resulted in companies and products disappearing (or not appearing).
I have been replying to people privately; Dr. Vax would get the same
treatment but for lack of a valid signature.

--
- Joel McCormack {ihnp4 decvax ucbvax allegra}!decwrl!joel
          joel@decwrl.arpa

From -681459726638468664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e70b1af02cada57b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 18:34:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Appleworks file types
Message-ID: <12206@watmath.UUCP>
Date: Tue, 26-Mar-85 21:34:05 EST
Article-I.D.: watmath.12206
Posted: Tue Mar 26 21:34:05 1985
Date-Received: Wed, 27-Mar-85 04:19:35 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 14

Well, after having a pirated copy for a few weeks, I went out and
bought an original Appleworks. What a Great program. I recomend it

to anyone wanting more that just a word processor.

I have some questions regarding the disk catalog of saved text.
When I do a cat command, my word-pro files (thats all I can vouch for
right now) come up with a file type of ...   ADB what caused this?
do I have a bad copy???

Thanks,

Andrew Rahme.

From -3743505111677608369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dfee74df468d95b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 18:37:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: applworks even more!
Message-ID: <12207@watmath.UUCP>
Date: Tue, 26-Mar-85 21:37:10 EST
Article-I.D.: watmath.12207
Posted: Tue Mar 26 21:37:10 1985
Date-Received: Wed, 27-Mar-85 04:24:42 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 9

I just checked out Appleworks again to see what the other files were,
but my disk with my work-report (only) now catalogs as .. AWP
which is what I expected, but last Fri it said ADB but would load in
as a word pro file. Help, Whats going on??????????????????????????

Andrew.

From 2865290108054662427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 21:29:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!mcnc!ecsvax!uevans
From: uevans@ecsvax.UUCP (Elizabeth A. Evans)
Newsgroups: net.micro.apple

Subject: Re: Piracy????
Message-ID: <911@ecsvax.UUCP>
Date: Wed, 27-Mar-85 00:29:27 EST
Article-I.D.: ecsvax.911
Posted: Wed Mar 27 00:29:27 1985
Date-Received: Thu, 28-Mar-85 02:56:25 EST
References: <1309@decwrl.UUCP>, <456@bunkerb.UUCP>
Organization: NC Educational Computing Service
Lines: 22

> <The fact remains that it is ILLEGAL to copy programs and distribute
> them to anyone, whether free of charge or not, if they are registered with
> the library of congress and protected under the copyright laws of the
> United States.

Actually, you don't have to ** register ** the program to have
copyright protection. If you write a program, and include the
required copyright notices, the program is copyrighted, whether
or not it is registered. Potential penalties differ, however,
depending on whether the program (or any other copyrightable
material) is registered or not.

I'm not sure of the exact details for the copyright notices or the
differences in penalties, but could find out the ** basics ** if
people are interested, and there's nobody in NETland that does
know.

-- Elizabeth A. Evans
   Dept of Psychiatry
   UNC-Chapel Hill School of Medicine

From -2182085337059863752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,5315d135fc6e1db9
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,5315d135fc6e1db9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-26 23:15:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!rchau
From: rchau@watrose.UUCP (rchau)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: need info on CP/M cards for Apple II+
Message-ID: <7384@watrose.UUCP>
Date: Wed, 27-Mar-85 02:15:22 EST
Article-I.D.: watrose.7384
Posted: Wed Mar 27 02:15:22 1985
Date-Received: Wed, 27-Mar-85 05:22:43 EST
References: <118@wuibc.UUCP>

Distribution: net
Organization: U of Waterloo, Ontario
Lines: 42
Xref: watmath net.micro.apple:1798 net.micro.cpm:3802

> []
>
> I'd looking to upgrade my Apple II+ with a CP/M card,
> and would like recommendations on the best card to buy.
> I've heard some cards use the Apple's memory, while others
> have their own RAM (and thus can chug along at clock rates > 1MHz);
> is the cost of the extra RAM worth the increased performance?
> Also, will the card work with the Apple //e as well?
>
> Finally, has anyone heard about a product for adding CP/M
> to the Apple //c? I've been hearing rumors that such a product is/will be
> available, but can find no specifics about it.
>
> Please reply via e-mail to me at:
>   ...!ihnp4!wucs!wuibc!etm
>
> And thanks in advance!
>
> Ed Macke
> Computer Systems Lab
> Washington University
> St. Louis, Mo.
> --
> Ed Macke
> Computer Systems Lab
> Washington University
> St. Louis, Mo.
> ...!ihnp4!wucs!wuibc!etm

This followup should really be in the mail, but my site has
recently been returning all my mail ...so...

There is a book by Steven Frankel on the various cards availble for
the Apple II and the CP/M system in general.(The compleat book on CP/M
for Apple...this isn't the exact title as I lent out the book and
am only sure about the weird spelling of 'compleat').

Another good summary was provided by in Byte, Dec. 1984.

ray

From -3135478580003117912
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public

X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 06:02:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdaisy.UUCP
Path: utzoo!watmath!watdaisy!ijdavis
From: ijdavis@watdaisy.UUCP (Ian Davis)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy
Message-ID: <7151@watdaisy.UUCP>
Date: Wed, 27-Mar-85 09:02:32 EST
Article-I.D.: watdaisy.7151
Posted: Wed Mar 27 09:02:32 1985
Date-Received: Thu, 28-Mar-85 01:20:51 EST
References: <296@unm-cvax.UUCP>
Organization: U of Waterloo, Ontario
Lines: 31
Xref: watmath net.games:1768 net.micro.apple:1803

As a games user and as author and distributer of Bridge and Cribbage for the IBM PC some comments on piracy..

1) The sale of copy protected diskettes should be outlawed. In the case of games such as Zork II the cost of replacements now exceeds my original purchase price. Worse the turn around time on replacements would be bad enough even if Infocom wasn't inclined to send back bad diskettes claiming that nothing was wrong with them.. I sent back a letter including the "Dead Parrot Sketch" and described in vivid detail the scratch across the disk and the inability of the platten to rotate within its jacket but this I suspect only invited longer delays.
   I have also purchased for $100 a macro assembler that was copy protected. Since it took over 3 months to obtain this product I subsequently decided that developing software on the atari with such liabilities would be suicidal...
2) Piracy is a problem but copy protecting diskettes is not going to defend companies from those individuals who could hurt sales via pirating software (actually for individuals read companies). So why copy protect diskettes.
3) My own solution to this problem is I think sufficient, and I would be interested to know if others agree. Firstly, the distributer rather than the user should be considered guilty of piracy... Frankly, who is not going to use what they are given, and who is to say that the user necessarily knows that the item is pirated. So (using sophisticated software protection) put an identifying serial number on each diskette, and add to the copyright, a notice offering a reward to information leading to the conviction of copyright violaters and include a telephone number. Distributers cannot assume that distributed software stays in the hands of trusted friends, and so this becomes a real threat and liability to them. It only remains to ensure that courts provide strong protection for developers, and in particular make it worth the developers while to prosecute any and all violations... In Datamation one gross case of video piracy resulted in a 10 year jail term!!

From 4460585029590230691

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17d68a56ced6f62d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 06:20:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site burl.UUCP
Path: utzoo!watmath!clyde!burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro.apple
Subject: assembly level debuggers for the apple IIe
Message-ID: <658@burl.UUCP>
Date: Wed, 27-Mar-85 09:20:24 EST
Article-I.D.: burl.658
Posted: Wed Mar 27 09:20:24 1985
Date-Received: Thu, 28-Mar-85 01:52:08 EST
Distribution: net
Organization: AT&T Technologies, Burlington NC
Lines: 12

I have been programming in assembly language recently and debugging what I
write is becoming increasingly painful. Inserting brk's in the monitor works
okay as long as the problem occurs on the first iteration of a loop, but
subsequent iterations can't be checked so easily. Does anyone out there know
of a good assembly level debugger? As a minimum it should have single step,
trace, and simple breakpoints (I know they had to take something from the rom
to add the auto-start capability, but why, oh why, did they take ss and trace?).

     thanks a lot,
          geoff sherwood

(I doubt it would matter, but I use the AZTEC as65 assembler from MANX)

From -6459095436170013727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 151e61,981b9786372ae392,start
X-Google-Attributes: gid151e61,public
X-Google-Thread: 1622d3,981b9786372ae392,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 06:59:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!decvax!harpo!whuxlm!whuxl!houxm!mhuxt!mhuxv!mhuxh!mhuxi!mhuxl!res1
From: res1@mhuxl.UUCP (STEALEY)
Newsgroups: net.micro.apple,net.ham-radio
Subject: Apple IIc on RTTY (ham-radio Teletype)
Message-ID: <176@mhuxl.UUCP>
Date: Wed, 27-Mar-85 09:59:12 EST
Article-I.D.: mhuxl.176
Posted: Wed Mar 27 09:59:12 1985
Date-Received: Wed, 27-Mar-85 19:36:34 EST
Distribution: na
Organization: AT&T Bell Laboratories, Murray Hill

Lines: 16

Has anyone had any luck interfacing an Apple IIc for RTTY use?
I have been unable to locate a schematic for the IIc to enable me to be certain
that I correctly connect the TU (modem). The instructions that came with
my RTTY program (Super-Ratt) indicate that I connect to the modem port
(vs. the game port on a II+ or IIe), and that the interface be at TTL levels.
Since the game port on a II+ is quite different from the serial modem port
on a IIc in terms of its function, I am concerned that the proper circuit inter-
face be made.

My Apple dealer has told me that a maintenance manual will be available shortly
for the IIc for $50!(presumably including a schematic).

Thanks for the help.
Rick Stealey   KT2Q
AT&T Springfield NJ
mhuxl!res1
201-467-7322

From -3161530034892726717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 09:18:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!mcnc!ecsvax!bch
From: bch@ecsvax.UUCP (Byron C. Howes)
Newsgroups: net.micro.apple
Subject: Re: Piracy???? (Flame response)
Message-ID: <915@ecsvax.UUCP>
Date: Wed, 27-Mar-85 12:18:52 EST
Article-I.D.: ecsvax.915
Posted: Wed Mar 27 12:18:52 1985
Date-Received: Sat, 30-Mar-85 01:31:19 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP>
Reply-To: bch@ecsvax.UUCP (Byron C. Howes)
Organization: N C Educational Computing Service
Lines: 21
Summary:

In article <1492@ut-ngp.UUCP> mercury@ut-ngp.UUCP (Larry E. Baker) writes:
>From: district@ny1mm.DEC (1309@decwrl.UUCP)
>
>> I have around 500 disks worth of software [not yours I deleted it] and some
>
>And I bet you use it all, every day. Let's see, 500 disks at about $5
>a pop...that's about $2500 you have invested in an inert software
>library.

No, No. You fail to consider the possibility that DOCTOR VAX has stolen the

disks as well. If he reserves the right to consider a program stealable if it doesn't meet his arbitrary price/performance standard then we must assume he reserves that right for hardware also. After all, a couple of dollars is *way* to much to charge for a little bit of cardboard, plastic and iron oxide, isn't it? :-)

--

Byron Howes
System Manager -- NCECS
...!{decvax,akgua}!mcnc!ecsvax!bch

From -3123749664464663381
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 10:29:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: APPLe/PIRACY
Message-ID: <1360@decwrl.UUCP>
Date: Wed, 27-Mar-85 13:29:22 EST
Article-I.D.: decwrl.1360
Posted: Wed Mar 27 13:29:22 1985
Date-Received: Thu, 28-Mar-85 23:47:33 EST
Sender: johnsson@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 41

Hi,
i just say a few things about APPLE support and PIRACY:

APPLE SUPPORT-- this has really been nonexistent for about 1 1/2 yrs now.Apple has been so wound up on the Mac that they have COMPLETELY FORGOTTEN THE PEOPLE who got them where they are today. I blame ALL of this on John Scully and Steve [mr. ego] Jobs. When they got RID of the WOZ, it was the icing on the cake. He was and IS there only link to the Apple// line. He had som many GREAT ideas for the // line that THEY never let come to fruit. You say that the // line is over and obsolete??? Well so is the 11/70 and 11/780 for that fact, but people still buy and want them!! With a base of over 2 million people and alot that canbe done with the // line, mr. scully and mr. ego have all but forgoten us. Well since the Mac is doing poorly and Apple has based its whole life on it, maybe ifthey go bust it would be the best thing. Especially for the // line. This is a very negative opinion, but having talked to WOZ (got his home # and he has not expressed the above views to me personally) this is what I and many others have seen.

PIRACY--This is such a hot topic I jsut couldn't resist. Mr. McCormack has

blamed Pirates for the failure of his business. From what I can see it was HIM and nobody else. I read his letter a few times and still feel the same way. He said the cheapest anyone evergot it with special discounts and all was around $240. This in account with the 25-40% discounts!!! That's expensive!! He also stated that if people don't like a companies Licenseing,Policies etc., then don't buy the software. Well I guess they did just that!!! To say a company went out of business because of piracy is just a bullshit cover up for there own mistakes!! Beagle Bros,Pfs,Infocom are good examples. There are alot of pirated copies of there stuff and they're doing just great! Stop crying Joel and all you others. I WILL agree that without copies the companies would be more profitable. Don't though, blame there demise on them. They had a shit product and people didn't buy it. Plain and simple!! I think Joel and Dave hough should get together. One blames his demise on pirates and the says all people who have Apple//'s are hackers. You guy deserve each other!!!!!!!

The above OPINIONS ARE MINE PERSONALLY AND HAVE NOTHING TO DO WHATSOEVER WITH MY EMPLOYER...NONE,NADA,NIEN.!!

CHOW PEOPLE...

JOE CRAPAROTTA

From 5887588805488132692
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b80fe87ee06bae9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 12:40:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site nmtvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!nmtvax!kenyon
From: kenyon@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Standing up for products
Message-ID: <382@nmtvax.UUCP>
Date: Wed, 27-Mar-85 15:40:38 EST
Article-I.D.: nmtvax.382
Posted: Wed Mar 27 15:40:38 1985
Date-Received: Tue, 2-Apr-85 05:21:08 EST
Distribution: net
Organization: New Mexico Tech, Socorro
Lines: 41

To all [ex-]Software Publishers,

How many of you ship software packages without disclaimers stating that you take no responsibility for the software you sell regarding its fitness for any given purpose and all that bullshit? I think this is slightly illegal. When I buy something, I have a right to get a product

that will fullful the purpose for which it was intended. (At least in California this is true, Just ask Judge Wapner...) If not, that is breach of contract and I am allowed to recieve damages. You sold me something under the impression that it would do what I wanted.

    If just one company took responsibilty on paper for its product and used that as a selling point for their software, I'm sure that if they were careful about distribution. (I. E. Selling to informed customers using competent staff. (Yes, I realize that there are not too many places that have competent staff.)) In theory, software publishers should be able (or just plain, should) warrant their product to at least work, but, maybe not just the way people want. If it can be proven in court that the product is functional, there shouldn't be any problems with lawsuits.

    Maybe the seller's of software to the public ought to be held responsible for the software they sell? I don't know. There must be a solution.

Disclaiming everything is not a solution, it's running away.

No Offense Meant,

Robert Kenyon
...ucbvax!unmvax!nmtvax!kenyon

Disclaimer:

    Robert Kenyon hereby disclaims all sense of intelligence from the enclosed text. No responsiblity is taken for the points made nor ideas expressed or their suitability for any application.

So There.

From -4229949580913583465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,70f9c3a98f54789f,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,70f9c3a98f54789f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 15:15:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!wuibc!etm
From: etm@wuibc.UUCP (Ed Macke)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: CP/M cards for Apple II+
Message-ID: <119@wuibc.UUCP>
Date: Wed, 27-Mar-85 18:15:49 EST
Article-I.D.: wuibc.119

Posted: Wed Mar 27 18:15:49 1985
Date-Received: Thu, 28-Mar-85 06:50:12 EST
Distribution: net
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 187
Xref: watmath net.micro.apple:1810 net.micro.cpm:3807

[]

A week or so ago I requested information about CP/M cards for the
Apple II+, and whether it was worth paying for a card that has its
own memory, and thus can run faster. My thanks to all who responded.
Since there seemed to be some interest in this topic, I'm posting
a trimmed-down version of the responses I received (see below).

A quick summary:
The December 84 issue of Byte contains an Apple supplement, in which
some 6 or so CP/M cards are reviewed.

A number of cards were mentioned by those responding: Microsoft Softcard,
PCPI Appli-card, EZ2 (from Orbital in Phoenix). In general, people
seemed satisfied with their cards; the exception was the ALS CP/M card.

I also asked about a product for adding CP/M to the Apple //c;
apparently it is sold by Applied Engineering (Dallas, TX, I think)
for $159, includes CP/M 4.0 and a plug-in(?) Z80. I was referred
to recent issues of InCider and A+ magazine for more details.

Again, thanks to everyone who sent me information.
Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
...!ihnp4!wucs!wuibc!etm

****
From: Chris Maciag <wucs!ihnp4!decvax!decwrl!spar!maciag>
Organization: Schlumberger Palo Alto Research, CA

I use the Microsoft Softcard and it works just fine, however, Microsoft
just decided to leave the softcard business. I have several friends
that use the Appli-card (starcard) and love it (it has a Z80B in it, so
it is faster (3mhz?). I doubt that there will be a product allowing
CP/M on the //c, because it has no DMA (Direct Memory Access), hence,
the //c could only be used as a terminal to a CP/M computer. If in fact
you find this rumor to be true, I would appreciate it if you could tell
me, because I would love to run Wordstar on my //c. Back to CP/M cards,
don't buy the ALS card. I also have two of those (the one with 64k and
the one without. The card is poorly made, and CPM plus even worse.
Microsoft CP/M certainly is the best CP/M OS I have used. The cheap ALS
card ($100) will run Microsoft CP/M, which is nice. ALS's version of
CP/M and CP/M plus works, but it is not very fun to change. For
example, I bought a double density drive for my //e, and the owners

manual gave the patches for Microsoft CP/M. To use the drive under ALS CP/M plus, I had to do some MAJOR hacking.

Chris Maciag

****
From wucs!ihnp4!watmath!watrose!rchau Thu Mar 21 04:44:26 1985

There was an special issue of BYTE which compared processors and there is also a book called 'The compleat cpm apple' by someone name Frankel.

ray...I hope it helps you out

****
From wucs!ihnp4!aicchi!joeloda Thu Mar 21 05:31:00 1985
Organization: Analysts International Corp., Chicago Branch

The December issue of BYTE had a whole section devoted to Apple hardware. They covered many of the various CP/M cards.

Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

****
From wucs!ihnp4!decvax!genrad!mit-eddie!moore Thu Mar 21 15:28:55 1985

I don't see the need for CP/M cards with on-board memory, except maybe increase in speed, but my microsoft clone seems to be working fine. I was hesitant about buying a clone at first -- I was offered one used a processor that was not the true Z80 (but instead, a direct clone) but after buying both that card and one with the true Z80, both seem to perform exactly the same. The layout of the chips is also the same, and the boards in general are exactly alike.

Frankly, I don't think the on-board memory is really worth the $260+ that Microsoft asks for the Softcard -- as long as I have 64k with the rest of the Apple, why get -another- 64k? As far as I know, the Z80 can't address more than that. If anyone sees more advantages in cards with on-board RAM, let me know.

-dru

****
From: "Stephen M.King" <wucs!AFSC-HQ.ARPA!KING>

yup, on iic cpm. Applied Engineering in Texas. $159 includes cpm 4.0, plug in z80. check this month's incider or ii+ mags.

Steve

****
From: Mark Becker <wucs!MIT-MC.ARPA!Cent.Mbeck@MIT-OZ>

Hello -

     If you're taking votes, I'd like to cast mine AGAINST the
ALS CP/M 3.xx card. That thing has given me more grief than anything
else in the last six months.

Regards -
Mark Becker
Cent.Mbeck%Mit-Oz@Mit-Mc

****
From: John Shaver STEEP-TM-AC 879-7602 <wucs!apg-3.ARPA!jshaver>

I am using the EZ2 Card from Orbital in Phoenix. Their card seems to be a copy
of the Softcard. The standard software is not provided in this case. W* And
DBII work as do all of the stuff, which I've downloaded from Simtel20.
I have not found a program for the Apple (in any model) which will create a
RAMDISK in Cpm. The RAMDISK is mandatory for successful (scratch that)
satisfactory operation of programs with overlays.

A friend has the Applicard. His only problems seems to be finding Modem and
Kermit programs which work with the Applicard. It is faster and with the
integral memory uses Apple only for communication with the outside, modem,
printer, disk and console.

Best regards

Shaver Science Fiction and Resume Service

****
From: wucs!ihnp4!uwvax!wisc-ai!neves (David Neves)

There is now a CPM for the //c. I saw an announcement in the latest A+
magazine. It is made by a well known company that make lots of plug in
boards for the Apple (I forget their name now). It sells for ~$150.

****
From wucs!seismo!topaz!RU-BLUE!BRAIL Sat Mar 23 00:37:54 1985

     The only way to have a Z80 card which runs at more than the
Apple's clock speed is to put extra RAM on the card which is used only
by the Z80. Several fast Z80 cards are made with their own clock and
64K of RAM on board. They usually use the 6502 for I/O and/or print
spooling. One is the AppliCard, which runs at 6mhz (I think).

As usual, I am affiliated with no one, no way, no how.

ARPA: BRAIL@RU-BLUE.ARPA
UUCP: ..(ihnp4!ut-sally, seismo, allegra!packard)!topaz!ru-blue!brail

****
From wucs!ihnp4!uw-beaver!tektronix!teklds!dadla!dcall Mon Mar 25 23:27:32 1985

I am currently using a PCPI Applicard running at 6MHz. This card is a true co-processor, with it's own high speed RAM. InfoWorld had a review of it and seemed really like it - it sure makes my Apple shine! I am running Wordstar and Turbo Pascal - no problems. This card works with II+ and IIe models, but I'm not sure about a standard II. It also comes with software to allow you to use the extra memory as a RAM disk. There is also a soft video interface that uses the HGR to produce 70 column text without an 80 col. card. There is a config menu to select various 80 col. cards. If you are running a IIe there is one caveat - some IIe's will NOT WORK with this card or the Digital Research Gold Card - some timing problem is involved. This didn't happen to my IIe however. For more information, there is a book out containing reviews of hardware and software by InfoWorld - "Infoworlds Guide to enhancing the Apple II/II+/IIc" I think is the title. This has some real good reviews on setup and performance.

One other note - if you want to use Microsoft's MBASIC, you must download it from another machine - Microsoft's version in Apple format only runs on their slowpoke card! The Infoworld review claims PCPI will do this for you for a small fee (~$10).

Good Luck!
Dale Call
tektronix!teklds!dadla!dcall
****
<END OF LIST>

--
Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
...!ihnp4!wucs!wuibc!etm

From 173316845090226500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 16:42:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!wjh12!foxvax1!brunix!dbn
From: dbn@brunix.UUCP (Dave Nanian)
Newsgroups: net.micro.apple
Subject: Re: Piracy????
Message-ID: <12670@brunix.UUCP>
Date: Wed, 27-Mar-85 19:42:53 EST
Article-I.D.: brunix.12670
Posted: Wed Mar 27 19:42:53 1985
Date-Received: Sat, 30-Mar-85 01:46:04 EST

References: decwrl.1309
Lines: 12

I have to admit, I've never seen anything quite like this article. I suppose
the author (Dr. Vax) deserves some sort of award.

In fact, the article is so incredible, it's almost impossible to reply. It's
hard to believe that there are people out there who have such little respect
for the rights and feelings of others. Maybe the award should be the
"most insulting letter" award. Or the "most obnoxious". Or even the
"most ungrammatical".

I'm really at a loss for words here, so let me conclude with my recommendation
for the award. Does anyone have a "Pirate" style eyepatch with some nice,
sharp spikes on the inside?

From 273063531814650687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-27 16:58:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!
talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!cs2532aa
From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: Piracy???? (Flame response)
Message-ID: <313@unm-cvax.UUCP>
Date: Wed, 27-Mar-85 19:58:57 EST
Article-I.D.: unm-cvax.313
Posted: Wed Mar 27 19:58:57 1985
Date-Received: Tue, 2-Apr-85 05:22:11 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP>
Reply-To: cs2532aa@unm-cvax.UUCP (John Bigboote')
Organization: Yoyodyne Propulsion Systems
Lines: 29

>>From: district@ny1mm.DEC (1309@decwrl.UUCP)
>From: mercury@ut-ngp.UUCP (Larry E. Baker)

>> I have around 500 disks worth of software [not yours I deleted it] and some

> And I bet you use it all, every day. Let's see, 500 disks at about $5
> a pop...that's about $2500 you have invested in an inert software
> library. I can see a real need for about 15 or 20 text editors, 5 or
> 6 spreadsheets, etc., and I'll bet you just have shelves and shelves
> of the documentation that makes it useful at all.
>
> Larry Baker @ The University of Texas at Austin

First off, what disks do you use, Dysans? $5 a pop? Ick! I buy Conroy-La

Pointes for $.99 each and double-side them. Even if Doctor Vax uses Datalifes
(at ~$2 apiece in any decent discount store) his disks only cost him $1000.
Not all that much, really.

And as for the "15-20 text editors, 5 or 6 spreadsheets", you ignore the
pack-rat aspect of piracy -- many (most?) pirates are more software collectors
than anything else. Do you question a Beatlemanic's 4-5 different pressings
of the same album on the grounds that "more than one is useless?" Besides,
you don't need "shelves and shelves of documentation" for games, which is
what most pirates pirate. Just boot and shoot.

(As for the legal aspects of it, well, that is another story which I
refuse to even touch upon in THIS posting...)

          .rne.

From 7438488800306701451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,85aedfc2e0225353,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 05:30:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-nod!demo
From: demo@nod.DEC
Newsgroups: net.micro.apple
Subject: REPLY (THE LAST)
Message-ID: <1368@decwrl.UUCP>
Date: Thu, 28-Mar-85 08:30:54 EST
Article-I.D.: decwrl.1368
Posted: Thu Mar 28 08:30:54 1985
Date-Received: Sat, 30-Mar-85 01:32:37 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 14

DOCTOR VAX HERE AGAIN.

I HAVE SEEN MANY REPLYS ABOUT PIRACY. MOST STILL DON'T MAKE ANY SENSE. I HAVE NOT
HURT ANY COMPANIE. I DO AGREE WITH JOEL THAT IF COPIES ARE PIRATED AND "SOLD"
ASWITH LOTUS, THEN THAT IS UNFAIR TO THE COMPANY!!! I HAVE NOR NEVER WILL DO
THAT.I TRADE AMONGST MY FRIENDS ONLY.... I AM NOT IN THIS TO MAKE MONEY. I ALSO
APOLOGIZE TO THE "NET" AND ANYONE THAT WAS OFFENDED BY MY LANGUAGE. I GUESS
ITS ALRIGHT FOR GROWNUPS (JOEL) TO CURSE BUT NOT TEENAGERS. GOOD DOUBLE
STANDARDPEOPLE. I DO NOT WORK FOR "DEC" AS I' STILL TO YOUNG. I DO LIVE IN CALIF.
AND
MY NAME IS ROBERT UNGO. I'M SORRY ABOUT THE BIG WHOOPA, BUT STILL FEEL THAT YOU
JUMPED ON THE WRONG PIRATES. A TRUE PIRATE DOES NOT "SELL" SOFTWARE THAT HE
CRACKS. AS A TEENAGER I CANT ALWAYS GET THE $ FOR SOFTWARE AFTER THE PURCHASE OF
MY
COMPUTER. POOR EXCUSE I KNOW BUT REAL. I WILL NO LONGER GO ON THIS NET TO DISPUTE

THE PIRACY THING,BUT REALIZE THAT ALL PIRATES ARE NOT LIKE THE ONES DESCRIBED.

THANX

DV
BYE FOREVER

From -2816740618410398842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd3b30968ebe04ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 06:29:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: Last Reply??
Message-ID: <1371@decwrl.UUCP>
Date: Thu, 28-Mar-85 09:29:13 EST
Article-I.D.: decwrl.1371
Posted: Thu Mar 28 09:29:13 1985
Date-Received: Sat, 30-Mar-85 01:33:25 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 2

I saw Joel's reply to Doctor Vax (boy did he have a bad day!) and commend him
onit. I also read that a Pirate and a Nursing home was prosecuted for having
pirated copies of Lotus. I do AGREE that if a company buys pirated copies that
this is
unfair

From -1711862706290793156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,35c7bac42af06747,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 06:48:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: Last Reply?
Message-ID: <1372@decwrl.UUCP>
Date: Thu, 28-Mar-85 09:48:15 EST
Article-I.D.: decwrl.1372
Posted: Thu Mar 28 09:48:15 1985
Date-Received: Sat, 30-Mar-85 01:33:43 EST

Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 21

I saw Joel's reply to Doctor Vax today. I must commend him on it. I do agree with Joel that Pirates have(don't) put companies out of business. I did get this feeling though from is letter. I also AGREE with the person that a pirate that SELLS pirated copies of ANYTHING should be caught and prosecuted!!! This is definitley immoral
What alot of people also don't know is that probably 95% of the so called pirates are 12-15 yrs old. The day of the Grownup pirate is long gone... These KIDS trade this stuff like we used to trade baseball cards and comic books. I guess that's the enviorment now. Computers, Computers , Computers. They usually spend all there $ on the Computer and none left for the software. I realize this is a poor excuse,but they usually use it to justify it. They do not use 99% of what they have, in this your correct. I also read of Turbo being sold on a Campus fora low price. I agree with that and can't reason why they still copy it. It'll cost them more in time to get the manual copied. Well I will apologize to Joel for my earlier (it will probably hit with this one) statements. Well instead of fighting and wasting lots of money I and time maybe free backups(except postage and stuff) will stop it. Also let this discussion go on net.flame and lets get back to discussing APPLES.

Does anyone know of a VT100 emulator for the //e that also has a capture buffer?If so please let me know.

ADIOS....

Joe Crap

From -1083173271014688651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,58eae1d2cbf447bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 06:57:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: To Greg
Message-ID: <1374@decwrl.UUCP>
Date: Thu, 28-Mar-85 09:57:47 EST
Article-I.D.: decwrl.1374
Posted: Thu Mar 28 09:57:47 1985
Date-Received: Sat, 30-Mar-85 01:35:26 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 7

Greg,

I think that on the //e that when you hit return you actually get a
^M (control M) Thats why it returns and line feeds. I'll try and look
it up for you though.

Joe Crap

From -1304798231600506407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 07:05:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site acf4.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!acf4!tsc2597
From: tsc2597@acf4.UUCP (Sam Chin)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates (110 lines)
Message-ID: <980003@acf4.UUCP>
Date: Thu, 28-Mar-85 10:05:00 EST
Article-I.D.: acf4.980003
Posted: Thu Mar 28 10:05:00 1985
Date-Received: Sun, 31-Mar-85 04:38:36 EST
References: <7377@watrose.UUCP>
Organization: New York University
Lines: 16

<<>>

Students should *not* be expected to buy software even if it is $30 a copy
(the price of a typical book) for the simple reason that not all students
have PC's. It should not be assumed that students taking classes which
involve PC use own PC's. How would you like to spend $30 for a book you
cannot read after a semester. Universities should buy multiple copies of
software and loan them out to the students (or restrict their use within a
central PC area). A licence for the VAX PASCAL compiler would probably run
the university $10000 and the VAX ADA compiler, $25000. With $10000, you
could buy 333 copies of Turbo Pascal at $30. and reuse them for later
semesters.

Sam Chin
allegra!cmcl2!acf4!tsc2597
tsc2597.acf4@nyu

From 2147613767514369854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd2fe059be0587df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 07:43:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-lymph!arndt
From: arndt@lymph.DEC
Newsgroups: net.micro.apple
Subject: Attention \"Dr. VAX\"
Message-ID: <1375@decwrl.UUCP>
Date: Thu, 28-Mar-85 10:43:20 EST
Article-I.D.: decwrl.1375
Posted: Thu Mar 28 10:43:20 1985
Date-Received: Sat, 30-Mar-85 01:35:56 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 13

Now, now Dr. VAX. You know it's time to come in and get your water checked!

Do we have to send someone out to fetch you?? You won't like it. (They use
the bowling ball hold!)

If you come along nicely, we'll let you play with your food.

(No you don't have to bring in all your stolen software.)

Regards,

Ken Arndt

From -1556225110028685117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,5315d135fc6e1db9
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,5315d135fc6e1db9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 10:03:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: need info on CP/M cards for Apple II+
Message-ID: <313@ssc-bee.UUCP>
Date: Thu, 28-Mar-85 13:03:36 EST
Article-I.D.: ssc-bee.313
Posted: Thu Mar 28 13:03:36 1985
Date-Received: Sat, 30-Mar-85 00:11:14 EST
References: <118@wuibc.UUCP> <7384@watrose.UUCP>
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 27
Xref: watmath net.micro.apple:1813 net.micro.cpm:3815

> > Finally, has anyone heard about a product for adding CP/M
> > to the Apple //c? I've been hearing rumors that such a product is/will be
> > available, but can find no specifics about it.

The latest Nibble has an for a][c CP/M card from Applied Engineering.
The card fits inside the case (probably voiding the warranty if it
isn't already dead). CP/M is supplied with the card.
I believe the price is around $150.

Applied Engineering has an excellent reputation. I have one of their
add on memory cards for the][e and it's great.

One caution: Putting more chips in the case will only create more heat.
I don't know what, if any, overheating problems the][c has.

Many mail order suppliers sell Applied Engineering cards. I recommend
Programs Plus (again, see Nibble).

Disclaimer:
I have no financial or other connection with Applied Engineering or
Programs Plus. If they would care to give me a commission for my
recommendations, I would be happy to change this disclaimer. I have
only a slight financial interest in Nibble.

--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -1032747791468104311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 12:04:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-ngp.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!ut-sally!ut-ngp!mercury
From: mercury@ut-ngp.UUCP (Larry E. Baker)
Newsgroups: net.micro.apple
Subject: Re: Piracy???? (Flame response)
Message-ID: <1507@ut-ngp.UUCP>
Date: Thu, 28-Mar-85 15:04:02 EST
Article-I.D.: ut-ngp.1507
Posted: Thu Mar 28 15:04:02 1985
Date-Received: Tue, 2-Apr-85 21:39:19 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP> <915@ecsvax.UUCP>
Organization: University of Texas at Austin
Lines: 19

[aarrrggg]

> No, No. You fail to consider the possibility that DOCTOR VAX has stolen the
> disks as well. If he reserves the right to consider a program stealable if
> it doesn't meet his arbitrary price/performance standard then we must assume
> he reserves that right for hardware also. After all, a couple of dollars is
> *way* to much to charge for a little bit of cardboard, plastic and iron
> oxide, isn't it? :-)

You are quite right. However, now that you make me think about it, we
must also consider the possibility that he stole his *computer*.
Think about it. All those running-dog capitalists who are reaping
obcene profits for a small collection of plastic, metal, wire and
(let's not forget it) silicon... :-)

--
- Larry Baker @ The University of Texas at Austin
- ...{seismo!ut-sally | decvax!allegra | tektronix!ihnp4}!ut-ngp!mercury

From 756185816590367030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5beb095d99e9a7dd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 13:33:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site acf4.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!acf4!gausewit
From: gausewit@acf4.UUCP (Nancy Gausewitz)
Newsgroups: net.micro.apple
Subject: book on microsoft basic v2
Message-ID: <980004@acf4.UUCP>
Date: Thu, 28-Mar-85 16:33:00 EST
Article-I.D.: acf4.980004
Posted: Thu Mar 28 16:33:00 1985
Date-Received: Sun, 31-Mar-85 05:16:34 EST
Organization: New York University
Lines: 5

Can anyone recommend a good book on Microsoft BASIC that covers the
functions included in version 2? For example, functions window and
button. Thanks a lot (on behalf of my Macintosh-owning sister).

send replies to (allegra,ihnp4)!cmcl2!acf4!gausewit

From 5458569237789069899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,18fb2d555868021f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 13:51:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!
bellcore!sabre!zeta!epsilon!gamma!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wuphys!fek

From: fek@wuphys.UUCP
Newsgroups: net.micro.apple
Subject: Good News for Developers
Message-ID: <244@wuphys.UUCP>
Date: Thu, 28-Mar-85 16:51:52 EST
Article-I.D.: wuphys.244
Posted: Thu Mar 28 16:51:52 1985
Date-Received: Fri, 5-Apr-85 07:17:11 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 15

Finally, there appears to be some bright spot in the fight against
software piracy. I do some development work for a software firm that
produces microcomputer software for the oil and mineral exploration
industries. Last week at a professional conference for exploration
geologists we were told by representatives from Chevron, Amoco and
Marathon that it is grounds for immediate dismissal if any employee
illegally copies a piece of software! I guess the recent Lotus suits
have scarred the bejesus out of them.

Frank
!ihnp4!wuphys

From -3957851832680634884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 19:26:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-spice.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!philabs!cmcl2!seismo!rochester!cmu-cs-
pt!cmu-cs-spice!tdn
From: tdn@cmu-cs-spice.ARPA (Thomas Newton)
Newsgroups: net.micro.apple
Subject: Re: APPLe/PIRACY
Message-ID: <323@cmu-cs-spice.ARPA>
Date: Thu, 28-Mar-85 22:26:27 EST
Article-I.D.: cmu-cs-s.323
Posted: Thu Mar 28 22:26:27 1985
Date-Received: Sun, 31-Mar-85 05:21:29 EST
Organization: Carnegie-Mellon University, CS/RI
Lines: 37

Don't equate "hackers" with "pirates". From "The Hacker's Dictionary," by
Guy Steele, Donald Woods, Raphael Finkel, Mark Crispin, Richard Stallman,
and Geoffrey Goodfellow:

    HACKER @i(noun)
      1. A person who enjoys learning the details of computer

systems and how to stretch their capabilitites -- as opposed to most users of computers, who prefer to learn only the minimum amount necessary.

2. One who programs enthusiastically, or who enjoys programming rather than just theorizing about programming.
3. A person capable of appreciating HACK VALUE.
4. A person who is good at programming quickly. (By the way, not everything a hacker produces is a hack.)
5. An expert on a particular program, or one who frequently does work using it or on it. Example: "A SAIL hacker." (This definition and the preceding ones are correlated, and people who fit them congregate.)
6. An expert of any kind. One might be an astronomy hacker, for example.
7. A malicious or inquisitive meddler who tries to discover information by poking around. For example, a "password hacker" is one who tries, possibly by deceptive or illegal means, to discover other people's computer passwords. A "network hacker" is one who tries to learn about the computer network (possibly because he wants to improve it or possibly because he wants to interfere -- one can tell the difference only by context and tone of voice.

Note that only one of the seven definitions fits people like the '414s'. The other definitions more closely fit the meaning of the word "hacker" as it is used in the Carnegie-Mellon, Stanford, and MIT computer science departments. It's a shame that the media have equated "hackers" with "crackers" and pirates. Please don't help to perpetuate this misuse!

-- Thomas Newton
Thomas.Newton@cmu-cs-spice.ARPA

From -6038214750071381400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 20:50:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-spice.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!
talcott!harvard!seismo!rochester!cmu-cs-pt!cmu-cs-spice!tdn
From: tdn@cmu-cs-spice.ARPA (Thomas Newton)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy
Message-ID: <324@cmu-cs-spice.ARPA>
Date: Thu, 28-Mar-85 23:50:06 EST
Article-I.D.: cmu-cs-s.324
Posted: Thu Mar 28 23:50:06 1985
Date-Received: Mon, 1-Apr-85 23:51:30 EST
Organization: Carnegie-Mellon University, CS/RI

Lines: 53
Xref: watmath net.games:1779 net.micro.apple:1829

I agree that the sale of copy-protected disks should be outlawed. I have both an Apple Macintosh and a pair of Ataris (one 800, one 800XL). One thing that I like to do with software that I have purchased is to make a backup copy for my daily use and put the original copy away. On the Mac, it is fairly easy to modify certain aspects of a program using the Resource Editor, and I sometimes take advantage of this capability. Needless to say, it isn't a very good idea to experiment on original disks.

Most of the software that I have for my Atari is not copy-protected, with the exception of two Electronics Arts games (Pinball Construction Set and Worms), the Atari Macro-Assembler, and Atari Microsoft BASIC. Atari Microsoft BASIC has a lot of commands (TRS-80 Disk BASIC + some), but I don't use it often since it leaves very little free memory. I stopped using Pinball Construction Set after I lost some of my DATA files by moving them from one disk to another (the files probably contained absolute sector numbers or other such garbage). A piece of software that is useful is the Atari Macro Assembler. I removed the copy-protection on my working copy using instructions that I found in old info-atari archives, and now I don't need to worry about losing my original. I also don't need to listen to the horrible crunching sound that the 810 drive makes when it hits a bad sector (it sounds like the head is biting the dust).

I have bought exactly five copy-protected programs for my Mac: Macintosh Pascal, Seastalker, Hitchhiker's Guide, Microsoft WORD, and Sargon III. I only bought four of these programs because I had a reasonable expectation of being able to circumvent the copy-protection. This assumption turned out to be true in three of the four cases; Hitchhiker's Guide has much better protection than the other Infocom game. I bought Macintosh Pascal despite the copy-protection, but I now regret that decision. (Macintosh Pascal has the most nasty copy-protection scheme of which I have ever heard, other than the "Killer Prolok" scheme which will actually try to damage your computer).

Recently, I faced the choice of which C compiler to buy for my Mac. There are basically three that seem to be worth considering: Aztec C, Consular C, and Megamax C. Aztec C is copy-protected, Consular C is copy-protected (but you can get an unprotected version for $25 more), and Megamax C is not protected. Guess which one I bought. I am now the owner of a copy of Megamax C version 2.0, and my checking account is $188 poorer. (If I had paid list price, it would have been $299 poorer, but the Computer Store gets stuff at a discount).

And finally, before anyone flames me to say that "it's fine to advocate an end to copy-protection, but you're not getting hurt": I did write a couple of programs for the Atari 400/800 which were sold through the Atari Program Exchange (now defunct). Neither one was copy-protected, and both came with source code. (I wasn't the only person to follow this practice; one of the nice things about the Atari 800 is that you can get full source listings of the entire operating system, disk operating system, and BASIC. Compared to the "operating system" on many other low-cost computers, the Atari 400/800 operating system is very comprehensive). I don't think it's right to screw the people who purchase your program, even if it would make a pirate's life somewhat harder.

-- Thomas Newton
Thomas.Newton@cmu-cs-spice.ARPA

From -5888755363816604311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-28 21:29:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!genrad!panda!talcott!harvard!
seismo!umcp-cs!cvl!liang
From: liang@cvl.UUCP (Eli Liang)
Newsgroups: net.micro.apple
Subject: Re: APPLe/PIRACY
Message-ID: <225@cvl.UUCP>
Date: Fri, 29-Mar-85 00:29:39 EST
Article-I.D.: cvl.225
Posted: Fri Mar 29 00:29:39 1985
Date-Received: Mon, 1-Apr-85 03:09:14 EST
References: <1360@decwrl.UUCP>
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 43

> Hi,
> .
> .
> .
> PIRACY--This is such a hot topic I jsut couldn't resist. Mr. McCormack has
> blamed Pirates for the failure of his business. From what I can see it was HIM
> and nobody else. I read his letter a few times and still feel the same way. He
> said the cheapest anyone evergot it with special discounts and all was around
> $240. This in account with the 25-40% discounts!!! That's expensive!! He also
> stated that if people don't like a companies Licenseing,Policies etc., then
> don't buy the software. Well I guess they did just that!!! To say a company
> went out of business because of piracy is just a bullshit cover up for there
> own mistakes!! Beagle Bros,Pfs,Infocom are good examples. There are alot of
> pirated copies of there stuff and they're doing just great! Stop crying Joel
> and all you others. I WILL agree that without copies the companies would be
> more profitable. Don't though, blame there demise on them. They had a shit
> product and people didn't buy it. Plain and simple!! I think Joel and Dave
> hough should get together. One blames his demise on pirates and the says all
> people who have Apple//'s are hackers. You guy deserve each other!!!!!!
>
>
> The above OPINIONS ARE MINE PERSONALLY AND HAVE NOTHING TO DO WHATSOEVER
> WITH MY EMPLOYER...NONE,NADA,NIEN.!!
>
>
> CHOW PEOPLE...
>

>
> JOE CRAPAROTTA

I guess you know DOCTOR VAX.... after all, you two are from the same usenet site: ny1mm, DEC Engineering Network.

-eli

p.s. and gee, you even sound like him.....
--

~~~~~~
Eli Liang ---
        University of Maryland Computer Vision Lab, (301) 454-4526
        ARPA: liang@cvl, liang@lemuria, eli@mit-mc, eli@mit-prep
        CSNET: liang@cvl UUCP: {seismo,allegra,brl-bmd}!umcp-cs!cvl!liang

From -6808658911751976615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 05:55:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!
talcott!harvard!seismo!brl-tgr!wildman
From: wildman@brl-tgr.ARPA (Sam Chamberlain)
Newsgroups: net.micro.apple
Subject: Re: APPLe/PIRACY
Message-ID: <9571@brl-tgr.ARPA>
Date: Fri, 29-Mar-85 08:55:29 EST
Article-I.D.: brl-tgr.9571
Posted: Fri Mar 29 08:55:29 1985
Date-Received: Tue, 2-Apr-85 00:15:48 EST
References: <1360@decwrl.UUCP> <225@cvl.UUCP>
Organization: Ballistic Research Lab
Lines: 11

There is a famous "Murphy's Law" that, although it may appear simple and trite, has saved me from embarrasment several times:

    "Never Argue With A Fool. People Might Not Know The Difference."

I try to remember this when I encounters folks like "Dr. Vax" and feel compelled to respond.

From 4927108931173214509
~~~~~~

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,85aedfc2e0225353
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 06:50:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gcc-bill.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!genrad!panda!talcott!harvard!
gcc-bill!brad
From: brad@gcc-bill.ARPA (Brad Parker)
Newsgroups: net.micro.apple
Subject: Re: REPLY (THE LAST)
Message-ID: <246@gcc-bill.ARPA>
Date: Fri, 29-Mar-85 09:50:33 EST
Article-I.D.: gcc-bill.246
Posted: Fri Mar 29 09:50:33 1985
Date-Received: Mon, 1-Apr-85 03:09:51 EST
References: <1368@decwrl.UUCP>
Reply-To: brad@gcc-bill.UUCP (Brad Parker)
Organization: General Computer Company, Cambridge Ma (Home of the HyperDrive)
Lines: 17
Summary:

In article <1368@decwrl.UUCP> demo@nod.DEC writes:
>DOCTOR VAX HERE AGAIN.
>
>I DO NOT WORK FOR "DEC" AS I' STILL TO YOUNG. I DO LIVE IN CALIF. AND
>MY NAME IS ROBERT UNGO.
>...
>I WILL NO LONGER GO ON THIS NET TO DISPUTE THE PIRACY THING,BUT REALIZE THAT ALL
PIRATES ARE NOT LIKE THE ONES DESCRIBED.
>

"Good Morning Children, can you say "Theft of Services?", very good..." :-)
--

J Bradford Parker
uucp: seismo!harvard!gcc-bill!brad

"I've seen this happen in other people's lives...
     and now it's happening in mine."   -The Smiths

From 1484503509592511937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 08:16:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!
talcott!harvard!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (Dave Hsu)
Newsgroups: net.micro.apple

Subject: Re: Re: Piracy???? (Flame response)
Message-ID: <229@cvl.UUCP>
Date: Fri, 29-Mar-85 11:16:49 EST
Article-I.D.: cvl.229
Posted: Fri Mar 29 11:16:49 1985
Date-Received: Tue, 2-Apr-85 00:36:44 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP> <915@ecsvax.UUCP> <1507@ut-ngp.UUCP>
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 34

> [aarrrggg]
>> No, No. You fail to consider the possibility that DOCTOR VAX has stolen the
>> disks as well. If he reserves the right to consider a program stealable if
>> it doesn't meet his arbitrary price/performance standard then we must assume
>> he reserves that right for hardware also. After all, a couple of dollars is
>> *way* to much to charge for a little bit of cardboard, plastic and iron
>> oxide, isn't it? :-)
>
> You are quite right. However, now that you make me think about it, we
> must also consider the possibility that he stole his *computer*.

Ok guys...this is heading off in a weird tangent.

I confess...I knew many pirates some years ago. Many pirates. Learned
which boards they hung out on. How many disks they had. How they got
their "wares". How they congregated.

And names. Many names. 1200 club. Super Pirates of Minneapolis. The
Underground. Hi-res Hijackers. etc.

But not one of these people stole their micros, nor their disks. Usually,
the micros were another "my dad bought it" item, and the disks were gifts
from other grateful (read: lesser) pirates. All the way from the guy with
4 disks, to the fellow with 1500 double-sideds. Yes, there really were 1500.
And don't tell me that he used them all every day. He couldn't BOOT them all
in a day.

In fact, they used to issue "statements of purpose", detailing their morals,
why they pirated and phreaked, and why they wouldn't support
piracy-for-profit. These people were anarchists, not hardened criminals.

And they didn't steal their computers.

-dave

From 7404563146114940768
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a49f433a463f8aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 09:24:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-dosadi!binder
From: binder@dosadi.DEC (Wherever you go, there you are.)
Newsgroups: net.micro.apple
Subject: Piracy and copyrights
Message-ID: <1400@decwrl.UUCP>
Date: Fri, 29-Mar-85 12:24:57 EST
Article-I.D.: decwrl.1400
Posted: Fri Mar 29 12:24:57 1985
Date-Received: Sun, 31-Mar-85 03:23:40 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 59

This is a short addendum to Elizabeth A. Evans' comments about copyrights on software.

I've written and published copyrighted material, and the US laws read that a work is copyrighted at the moment of its creation. It is not, however, protected in the eyes of the US courts unless its copyright is registered with the Library of Congress. This registration consists of filling out a form for application and submitting that form together with two copies of the work and a $10.00 fee to the Registrar of Copyrights.

With regard to making backup copies of software, recent US court decisions have established that the PURCHASER of a software product has a guaranteed right to make backup copies, such copies to be used only by whoever is in possession of the original, for the purpose of recovering from destruction of that original. What this means is that giving or selling copies to anyone else, without giving him or her all the backup copies you have made, or else destroying them, is a violation of the copyright law. It also means that LENDING a disk to someone and then using a backup copy yourself whilst the original is out of your hands is a violation of the law. As for a licensee's right to make backup copies, that's a negotiable item between the licensee and the licensor.

NOW we come to the line of how this discussion relates to piracy. Piracy is, and will continue to be, illegal. Period. It will also continue to exist. Making a tape of an LP album is a violation of the copyright law, if we give it away or sell it, and videotaping most TV programmes is a similar violation if done to distrubute copies. So we are back at the fact that we are all violators - heck, xeroxing a book is ALWAYS illegal unless the person doing it has written permission from the copyright holder.

The furore that piracy raises is caused, I think, by the fact that we are computer people. Computers, and their software are for many of us our livelihood, or soon will be. We feel endangered by pirates. So we invoke all the legalistic arguments, and when that doesn't work we cry out against the ethical and moral standards of pirates.

Pirates are, for the most part, young people. They build huge libraries of pirated games. It's a game, a challenge, for them to crack a protected

disk. So they crow about their success and pass copies around with the title screens changed to include their noms-de-crack, to prove that it was actually they who did the job. There is, I admit, some amount of piracy of utilities, but I really believe that most of the pirated utilities never get used, for the lack of hardcopy documentation. A friend had a pirated copy of VisiFile, and he wiped it when he figured out that he didn't know how to use it... I agree with those who say that piracy can and should be reduced (it'll never be stopped!). The ways to do that include Borland's approach, which is hard to emulate. They also include making products so truly useful that they are worth their cost - this usefulness revolves largely around making superb hard documentation in addition to good programming, and pricing skilfully, and finally supporting what is sold. Copy protection isn't the way to do it - the element of challenge is there, and the legitimate user who isn't a Locksmith or Copy][+ or Nibbles Away wizard is stymied when he tries to exercise his legal right to make backups.

Cheers,
Dick Binder

UUCP: {decvax, allegra, ucbvax...}!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

From 6975224995771508483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 10:53:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Piracy???? (Flame response)
Message-ID: <9584@brl-tgr.ARPA>
Date: Fri, 29-Mar-85 13:53:58 EST
Article-I.D.: brl-tgr.9584
Posted: Fri Mar 29 13:53:58 1985
Date-Received: Tue, 2-Apr-85 00:20:06 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP> <915@ecsvax.UUCP> <1507@ut-ngp.UUCP>
Organization: Ballistic Research Lab
Lines: 16

> > No, No. You fail to consider the possibility that DOCTOR VAX has stolen the
> > disks as well. If he reserves the right to consider a program stealable if
> > it doesn't meet his arbitrary price/performance standard then we must assume
> > he reserves that right for hardware also. After all, a couple of dollars is
> > *way* to much to charge for a little bit of cardboard, plastic and iron
> > oxide, isn't it? :-)
>
> You are quite right. However, now that you make me think about it, we

> must also consider the possibility that he stole his *computer*.
> Think about it. All those running-dog capitalists who are reaping
> obcene profits for a small collection of plastic, metal, wire and
> (let's not forget it) silicon... :-)

And how about his electricity?? Surely there are electrons all over
the place and it is unfair to be charged for their use! (Especially
since they're not consumed but just moved around.)

From 6218245587595226474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,856147d846151db5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-29 12:34:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!cs2532aa
From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Dr. Vax: Hardware Thief?
Message-ID: <319@unm-cvax.UUCP>
Date: Fri, 29-Mar-85 15:34:47 EST
Article-I.D.: unm-cvax.319
Posted: Fri Mar 29 15:34:47 1985
Date-Received: Tue, 2-Apr-85 22:06:05 EST
Reply-To: cs2532aa@unm-cvax.UUCP (John Bigboote')
Organization: Yoyodyne Propulsion Systems
Lines: 9

Are you guys crazy? A pirate stealing HARDWARE? Why, a guy could get ARRESTED
for that!

         .rne.

By the way, folks, Doctor Vax is a REAL LIVE PIRATE. I have seen several
textfiles with his name on them. He is quite typical in that he can't
spell, and his grammar sucks. (But he knows how to blow things up, and by
gosh, isn't that what REALLY matters? [Oops, sorry, I digress . . .]))

From -557105110226605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d8b9a90eb5076332,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,d8b9a90eb5076332,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-03-30 11:15:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!stanly

From: stanly@unmvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Pirates and some wrong ideas that are going around.
Message-ID: <760@unmvax.UUCP>
Date: Sat, 30-Mar-85 14:15:10 EST
Article-I.D.: unmvax.760
Posted: Sat Mar 30 14:15:10 1985
Date-Received: Tue, 2-Apr-85 22:06:37 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 49
Xref: watmath net.micro:9894 net.micro.apple:1838

Hello,

In all the articles that I have been reading, one think keeps being repeated and repeated.

Software stealing is as bad as robbing a bank or holding up a 7-11 except on a smaller scale.

Piracy is a bad term for copying diskettes. When you steal a program, you are making a copy of it and not taking from the other person. You are not stealing it or pirating it but you are COPYING it.

Better lets call it:

Software stealing is as bad as copying tapes or records.

Another thing is that not all copying is for stealing purposes. Some people back up software with "the great pirate programs". Last week in the local apple computer club, a new rule was created.

No copying is allowed in the club. Anybody caught copying software will have all the software they have on them checked to see if it is a copy and not the real thing. If it is a copy, IT WILL BE ERASED!

Two days later somebody went into my backpack and took most of my diskettes. True, some of them were copys but most were the real thing. If you are not allowed to backup your disks, how are you to protect yourself? Most copying is for pirating purposes so that if somebody said, " I am backing up this stuff " , what are you supposed to think? The thief knew you could not get me to copy it for him so he stole it.

Send me mail . . . I L O V E mail

Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

--

   Stanly Steinberg
   Department of Mathematics and Statistics
   University of New Mexico
   Albuquerque, New Mexico 87131

uucp:
   {anl-mcs,convex,csu-cs,gatech,lanl,ogcvax,pur-ee,ucbvax}!unmvax!stanly
ARPA:
   unmvax!stanly@lanl.arpa

From -6975654300211295451
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-30 19:09:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdcsu.UUCP
Path: utzoo!watmath!watdcsu!murlocker
From: murlocker@watdcsu.UUCP (murlocker)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates (110 lines)
Message-ID: <1192@watdcsu.UUCP>
Date: Sat, 30-Mar-85 22:09:33 EST
Article-I.D.: watdcsu.1192
Posted: Sat Mar 30 22:09:33 1985
Date-Received: Sun, 31-Mar-85 04:11:55 EST
References: <7377@watrose.UUCP> <980003@acf4.UUCP>
Organization: U of Waterloo, Ontario
Lines: 12

>
> Students should *not* be expected to buy software even if it is $30 a copy
> (the price of a typical book) for the simple reason that not all students
> have PC's...
> Universities should buy multiple copies of software and loan them out
> to the students (or restrict their use within a central PC area).

I agree, students shouldn't *have* to, but that's no justification of piracy,
period! The fact that a university professor could encourage such behaviour
in students adds insult to injury.

                                mark

From -6580679160868235341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1449378dca93c53a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-31 11:17:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!

bellcore!allegra!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple
Subject: To the matter of cheap software ..
Message-ID: <250@wuphys.UUCP>
Date: Sun, 31-Mar-85 14:17:45 EST
Article-I.D.: wuphys.250
Posted: Sun Mar 31 14:17:45 1985
Date-Received: Fri, 5-Apr-85 12:28:46 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 70

AN APOLOGY is offered to those readers of net.micro.apple who are most likely becoming weary of reading piracy articles and would like to see a return to discussions of those great little engines from Apple Computer, Inc. But please allow me to squeeze these few thoughts in before the book is closed.

I do program development for a small software firm out of Denver. The company (which I will not name unless requested by mail) puts out some very fine products for the petroleum and mineral exploration industry for use on microcomputers. The founder of that company is an absolute fanatic when it comes to the pricing of these products; using the startegy (but not, unfrotunately, the resources) of Borland, he insists that all software be priced as cheaply as is possible. The development costs are recouped over the long run rather than the short. The result is that a product designed to compete with a $5000 package will be priced around $1500. And products that would normally sell for $1500 are priced at less than $100. We predicted heavy sighs of corporate relief and a mailbox stuffed with purchase orders.

What we got was a few purchase orders and a lot of long distance phone calls that may summarized with "What's the catch? At only a hundred bucks it can't be very useful." Only time will tell if our pricing strategy was a good idea. By the way, the software is minimally copy-protected (PROLOK) because the low prices coupled with the small market precludes staying in business if piracy becomes a significant factor.

It is very difficult for any small business to make it. It is the smaller concerns that seem to make most of the advances in any arena and there is no guarantee that these advances will be rewarded financially. So the average small business person ends up working hundred hour weeks for no money trying to build a living, breathing entity where once there was but a void. In spite of media bally-hoo, not everyone in the computer industry drives a BMW and spends evenings drinking french wine in a hot tub. There are one hell of a lot of us driving ten-year old cars and eating PBJ sandwiches trying to make our little places in the sun. And if we don't make it, well that's what gambling is all about. But another factor to be reckoned with is finding a job after the company goes belly-up. It is very difficult

for a former entrepreneur to find a position in corporate America.
The personnel people (oops, Human Recources Specialists) believe "Once
an entrepreneur, always an entrepreneur." You are considered unlikely
to be a team player. You cannot be trusted to stay with the job
because you will most likely leave and start up a company with the knowledge
that you have gained while in their employ.

Look, I'm not trying to elicit sympathy from anyone. I know the
risks. I know the rewards. But I am trying to make some points that
have been under-treated (boy, I'll bet I get flamed for that one) in
this discussion. There are no simple answers like "Just lower your
prices and do away with copy-protection" (sorry, Mr. Pournelle). It
also does no good to tell people like DR. VAX that he is doing wrong.
He knows that. There will always be people with a set of values like
those possessed by him. They are the ones who drive drunk. They turn
street signs around. They go hunting at night out of season. They
piss on toilet seats. They cut you off in traffic. They write their
names on walls and pirated software.

I firmly believe that the great majority of those starting up new
companies, at least in this industry, are honestly trying to make a
real contribution, with the profit motive secondary. And if I did not
think that there is a simple grandeur in that, I would not be doing
it. But I also believe that we deserve an even break.

That's all,

Frank

From -7379227900509902568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1a50044b596eb34b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 14:21:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!bch
From: bch@ecsvax.UUCP (Byron C. Howes)
Newsgroups: net.micro.apple
Subject: not-for-profit piracy?
Message-ID: <928@ecsvax.UUCP>
Date: Mon, 1-Apr-85 17:21:55 EST
Article-I.D.: ecsvax.928
Posted: Mon Apr 1 17:21:55 1985
Date-Received: Wed, 3-Apr-85 08:01:39 EST
Organization: N C Educational Computing Service
Lines: 31

I am a little surprised by the seeming acceptability of the notion that
so long as software pirates don't make money from their thievery, that
such activity is OK. Theft is theft, simple enough, and the fact that
these kids may be just playing some sort of "game" rather than engaging

in serious entrepreneurship doesn't make it something else.

Some say it's "only copying." What do you think the term "copyright" (copy right) means? It doesn't mean the right to sell something, it means the right to determine (within clearly specified limits) who can copy a work and for what purpose. Unless it is specifically stated in the terms of the copyright, if you don't own it you can't copy it for your own use.

Is copying software like copying records, tapes and VCRs? You bet. If you make copies of the above for other than your own use you are absolutely in violation of the law.

People, there is a raft of public domain software out there that is yours for the asking. There are lots more programs that need to be written for folks, like you, that cannot afford the addmittedly steep prices of commercial programs. Given the number and sophistication of the programs which can break copy protection schemes, a large amount of stolen software is a poor measure of an individual's ability to hack. If you think you're that good, write the programs that need writing. If not, stop cutting into the rights of the folks who are trying to make a living.
--

Byron Howes
System Manager -- NCECS
...!{decvax,akgua}!mcnc!ecsvax!bch

From -4228631054694377356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c2dab82c0c0d53fc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 14:24:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: 1200 baud terminal packages?
Message-ID: <12288@watmath.UUCP>
Date: Mon, 1-Apr-85 17:24:36 EST
Article-I.D.: watmath.12288
Posted: Mon Apr 1 17:24:36 1985
Date-Received: Tue, 2-Apr-85 00:44:10 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 8

Does anyone know what was resolved from the discussion a few months ago about the apple losing characters at 1200 baud?? Unfortunately I didn't pay much attention then, but now that I have 1200 baud, I would like to know what the results were. Does Ascii Express lose characters? Is it a matter of just

re-writing the screen drivers, or is it more complicated? Would 40 col. lose as many characters? Thanks,
                  Andrew Rahme.

From -8047066676020708561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8864e6e1e5a242c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 14:39:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site usl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!akgub!usl!rww
From: rww@usl.UUCP (Robert W. Walsh)
Newsgroups: net.micro.apple
Subject: Re: Piracy???? (Flame response)
Message-ID: <390@usl.UUCP>
Date: Mon, 1-Apr-85 17:39:38 EST
Article-I.D.: usl.390
Posted: Mon Apr 1 17:39:38 1985
Date-Received: Wed, 3-Apr-85 03:18:43 EST
References: <1309@decwrl.UUCP> <1492@ut-ngp.UUCP> <915@ecsvax.UUCP> <1507@ut-ngp.UUCP>, <9584@brl-tgr.ARPA>
Organization: USL, Lafayette, LA
Lines: 10

How about someone creating a new news group: net.micro.piratehaters?????

--

                                    Robert Walsh
ut-sally \   University of Southwestern Louisiana
          !usl!rww
  akgua /

From -751241167800180233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 16:36:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!vax135!cornell!uw-beaver!tektronix!reed!terdal
From: terdal@reed.UUCP (Paul Terdal)
Newsgroups: net.micro.apple
Subject: Re: Piracy????
Message-ID: <1221@reed.UUCP>
Date: Mon, 1-Apr-85 19:36:08 EST

Article-I.D.: reed.1221
Posted: Mon Apr 1 19:36:08 1985
Date-Received: Thu, 4-Apr-85 05:38:40 EST
References: <1360@decwrl.UUCP> <225@cvl.UUCP>
Reply-To: terdal@reed.UUCP (Paul Terdal)
Distribution: net
Organization: Reed College, Portland, Oregon
Lines: 9
Summary:

In 'Piracy????', Dr. Vax, as has been repeated a near infinite number of times,
made some rather inappropriate and crude remarks.... It would seem that other
users of the net ahve been trying to prove themselves his superior at this
by criticizing him with some pretty degrading remarks of their own....
As we have all heard P-L-E-N-T-Y on this subject, why don't we forget
piracy for a few weeks...?

                    decvax!tektronix!reed!terdal

From -7896190857837580699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 17:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!ihlpm!lyourk
From: lyourk@ihlpm.UUCP (LORANY)
Newsgroups: net.micro.apple,net.lang.pascal
Subject: Re: Apple Pascal Debugger
Message-ID: <203@ihlpm.UUCP>
Date: Mon, 1-Apr-85 20:55:00 EST
Article-I.D.: ihlpm.203
Posted: Mon Apr 1 20:55:00 1985
Date-Received: Wed, 3-Apr-85 01:17:02 EST
References: <292@ihlpg.UUCP>
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 34
Xref: watmath net.micro.apple:1839 net.lang.pascal:272

> *** REPLACE THIS LINE WITH YOUR MESSAGE ***
> Apple Pascal has a prompt for a debugger, but no debugger. Does anyone have,
> or know of a debugger for Apple Pascal? I'm running into errors that are
> becoming increasingly obscure; I sure could use ITS or sdb about now.
>
> Any pointers appreciated.
>
> Tim Born

> ...ihnp4!ihlpg!ihduck

There are a few products that may help. Two from DataMost Software,
PDQ (Pascal Disk Utility) and Randy Hyde's P-source.

First Byte publishes Bug Off! (tm) a Pascal Debugging System for
Pascal 1.1 & 1.2.

DataMost Software's stuff is more for operating system debugging and
I think it has a P-Code dis-assembler. I don't know if it is updated
for Pascal 1.2.

Bug Off! (tm) looks like what you want, although it is probably not
as powerful as sdb, it is about as good as you are going to get
on a 64k Apple. It seems to have all the necessary commands and will
even save the debugging environment for latter retrieval and testing.

Disclammer:
I have never used any of the above products and not associated with any
of the above companies (except maybe for Apple since I own an Apple //e).
Everything above is either a trademark or registered trademark of some
company or other. And of course, nothing of this has anything to do
with my employer.

L. N. Yourk
ihnp4!ihlpm!lyourk

From 5849819466162302817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bc178d38ca55498
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-01 21:33:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Re: APPLe/PIRACY
Message-ID: <931@ecsvax.UUCP>
Date: Tue, 2-Apr-85 00:33:29 EST
Article-I.D.: ecsvax.931
Posted: Tue Apr 2 00:33:29 1985
Date-Received: Wed, 3-Apr-85 08:01:55 EST
References: <323@cmu-cs-spice.ARPA>
Organization: NC Educational Computing Service
Lines: 14

A hacker is someone who patches binaries so that his program
works better. If it was someone else's program, he is a GOOD hacker;
If it was "protected" software, he was a EXCELLENT hacker.

If he gives the (purchased) program away, he is a PIRATE.

PLEASE- NO MORE BAD PRESS

Charles Lord
(a hacker from way back)
cjl@ecsvax

"All users should be SHOT!"

From -3120798735714275702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,14ceeb7835c1d1a5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 07:06:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site mhuxl.UUCP
Path: utzoo!decvax!harpo!whuxlm!whuxl!houxm!mhuxt!mhuxv!mhuxh!mhuxi!mhuxl!res1
From: res1@mhuxl.UUCP (STEALEY)
Newsgroups: net.micro.apple
Subject: DOS3.3 text files to ProDos
Message-ID: <178@mhuxl.UUCP>
Date: Tue, 2-Apr-85 10:06:46 EST
Article-I.D.: mhuxl.178
Posted: Tue Apr 2 10:06:46 1985
Date-Received: Tue, 2-Apr-85 18:56:19 EST
Distribution: na
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 5

Do you know of a way to convert text files on a DOS3.3 disc to ProDos, to
permit editing with a word processor such as Appleworks?
The computer is an Apple IIc. The IIc Systems Utilities does not work.

Rick Stealey at AT&T Springfield, NJ

From 8015367176917465337
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,296f053d4af52413,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 07:12:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site oddjob.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!oddjob!rfl
From: rfl@oddjob.UUCP (Bob Loewenstein)
Newsgroups: net.micro.apple
Subject: put out the flames
Message-ID: <666@oddjob.UUCP>
Date: Tue, 2-Apr-85 10:12:09 EST
Article-I.D.: oddjob.666
Posted: Tue Apr 2 10:12:09 1985

Date-Received: Wed, 3-Apr-85 02:47:58 EST
Distribution: net
Organization: U. Chicago, Astronomy & Astrophysics
Lines: 3

How about putting these flames where they belong. They have very
little to do with "net.micro.apple" except that most of the authors
may own an apple.

From 5237152768328615423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1449378dca93c53a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 10:15:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gcc-bill.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!
harvard!gcc-bill!brad
From: brad@gcc-bill.ARPA (Brad Parker)
Newsgroups: net.micro.apple
Subject: Re: To the matter of cheap software ..
Message-ID: <247@gcc-bill.ARPA>
Date: Tue, 2-Apr-85 13:15:16 EST
Article-I.D.: gcc-bill.247
Posted: Tue Apr 2 13:15:16 1985
Date-Received: Thu, 4-Apr-85 06:42:58 EST
References: <250@wuphys.UUCP>
Reply-To: brad@gcc-bill.UUCP (Brad Parker)
Distribution: net
Organization: General Computer Company, Cambridge Ma (Home of the HyperDrive)
Lines: 19
Summary:

In article <250@wuphys.UUCP> fek@wuphys.UUCP (Frank Kramer) writes:
>... In spite of media bally-hoo,
>not everyone in the computer industry drives a BMW and spends evenings
>drinking french wine in a hot tub...
>
>Frank

I don't know about you Frank, but it's absolute hell trying to find someone
to tune my Ferrari while I'm in Paris for the day. It's a good thing I'm in
software...

:-)
--

J Bradford Parker
uucp: seismo!harvard!gcc-bill!brad

"I've seen this happen in other people's lives...
     and now it's happening in mine."   -The Smiths

From 9027363137403156470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,598070d53c5a4351,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 12:59:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!linus!decvax!bellcore!sabre!zeta!epsilon!gamma!ulysses!mhuxr!ihnp4!
mgnetp!we53!busch!wuphys!fek
From: fek@wuphys.UUCP
Newsgroups: net.micro.apple
Subject: Apple Pascal 1.2 upgrade - needed ?
Message-ID: <252@wuphys.UUCP>
Date: Tue, 2-Apr-85 15:59:17 EST
Article-I.D.: wuphys.252
Posted: Tue Apr 2 15:59:17 1985
Date-Received: Sat, 6-Apr-85 20:49:33 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 17

I use Apple Pascal quite a bit on my IIe. I currently have version 1.1 both on
floppy and on my Corvus. My question - Does the version 1.2 offer a
substantial upgrade to 1.1 ? What are the new goodies ?

I have been informed that the upgrade policy has been expired by Apple
and to go to 1.2 I will need to purchase the complete package. Is
this true ? Is it worth it ?

Please reply by mail. If there is sufficient interest, I will post to
the net. Thanks in advance.

Frank
ihnp4!wuphys

From -5140545542783645329
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fda59e053b2c69f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 13:27:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Z80 board software
Message-ID: <859@noscvax.UUCP>
Date: Tue, 2-Apr-85 16:27:36 EST

Article-I.D.: noscvax.859
Posted: Tue Apr 2 16:27:36 1985
Date-Received: Wed, 3-Apr-85 11:20:36 EST
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: na
Organization: Naval Ocean Systems Center, San Diego
Lines: 8
Keywords: z80

I have a z80 board for my Franklin 1000 but no software.
I have called several software firms in San Diego about
buying the software for the board but they want to sell me
the board too. Does any one know of where I can get the
software only for a z80 board on my Franklin.
milnet mail address is medin@nosc
Thanks Ted

From 1637777774530240368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d2591f90a9e3cba0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 13:31:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!noscvax!medin
From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Public domain
Message-ID: <860@noscvax.UUCP>
Date: Tue, 2-Apr-85 16:31:38 EST
Article-I.D.: noscvax.860
Posted: Tue Apr 2 16:31:38 1985
Date-Received: Wed, 3-Apr-85 11:21:17 EST
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: na
Organization: Naval Ocean Systems Center, San Diego
Lines: 3

I have a Franklin 1000 (apple II++) and would like to know the
source for public domain for the above.

From 3638651220852384285
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b5f3dd1363434b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 13:43:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site noscvax.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!noscvax!medin

From: medin@noscvax.UUCP (Ted Medin)
Newsgroups: net.micro.apple
Subject: Hayes mircromodem II
Message-ID: <862@noscvax.UUCP>
Date: Tue, 2-Apr-85 16:43:57 EST
Article-I.D.: noscvax.862
Posted: Tue Apr 2 16:43:57 1985
Date-Received: Wed, 3-Apr-85 11:21:50 EST
Reply-To: medin@cod.UUCP (Ted Medin)
Distribution: na
Organization: Naval Ocean Systems Center, San Diego
Lines: 9

I have a Franklin 1000 with a Hayes micromodem II.
I have been trying to use the modem for a file xfer with notable failure.
I have copied the programs in the manual and about the only one that
works is the self test. I am trying to connect a Kaypro 2 to my Franklin
thru a null modem and would like to reference the board thru addresses
rather than thru "in#.." and "pr#..". If you have done this or can help
I would appreciate your response. My milnet address is "medin@nosc".
                        Thank you Ted

From -367179193978234078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13f5ec23f572ce2f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 15:50:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site phri.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!timeinc!phri!roy
From: roy@phri.UUCP (Roy Smith)
Newsgroups: net.micro.apple
Subject: Re: An open letter to software pirates (110 lines)
Message-ID: <197@phri.UUCP>
Date: Tue, 2-Apr-85 18:50:39 EST
Article-I.D.: phri.197
Posted: Tue Apr 2 18:50:39 1985
Date-Received: Sat, 6-Apr-85 03:11:55 EST
References: <1180@decwrl.UUCP> <183@osu-eddie.UUCP> <7377@watrose.UUCP>
Organization: Public Health Research Inst. (NY, NY)
Lines: 13

> In any case, the thought of a system manager going out & swapping f77 for
> rogue (or whatever) at the nearby hacker meet seems ludicrous.

It does? I've seen it happen. A copy of the super-rogue source is
probably worth f77 source (at least) on the open market.
--

cmcl2!rocky2!cubsvax -\
       vax135!timeinc -> !phri!roy (Roy Smith, System Administrator)

allegra -/

The opinions expressed herein do not necessarily reflect
the views of the Public Health Research Institute.

From -6792372849900228328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 17:19:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!ihlpg!timborn
From: timborn@ihlpg.UUCP (Tim Born)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Apple Pascal Debugger
Message-ID: <338@ihlpg.UUCP>
Date: Tue, 2-Apr-85 20:19:24 EST
Article-I.D.: ihlpg.338
Posted: Tue Apr 2 20:19:24 1985
Date-Received: Wed, 3-Apr-85 02:50:27 EST
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 37
Xref: watmath net.lang.pascal:273 net.micro.apple:1843

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
I posted a query last week asking if there was a debugger for Apple Pascal.
By and large the responses were negative (some maybes, no affirmatives).

I think it's evident to anyone who has used Apple's Pascal that the error
messages are generally not very useful. I won't bother with the indictment.
Let me propose a debugging technique that is crude but effective,
and expandable.

Given a procedure "X" that is compiled and linked into the buggy program,
but never actually called by the program. When the OS traps an error,
instead of (or in addition to) the usual "Urrp! Press any key to reset",
the OS would invoke the procedure X. Presumably X has not been trashed out
by the error (no guarantees on that one), and X has enough knowledge of
the memory map and stack frames to perform some reasonable debugging.

X can take on many forms. One that might be useful would be the proverbial
"core dump" routine. To wit: X dumps the Apple's memory to a disk file
for later analysis. This has several advantages: X is small; the machine
will be in a sane (reset) state during the analysis; several kinds of
analyzers could be used independently or together on the same core file.

The analyzers could be interactive (ala sdb), or a simple stack back trace
with local variables displayed (always in good taste). This is the

expandable part: not only can the person-one-smarter-than-you write a useful analyzer for Apple Pascal users, but the core file could be "standardized" such that it could be transportable to others.
Just think: a whole new industry of core-fixers. Just send them your core dump and a check, and poof! back comes your bug, all solved.

Now for my next query. This is targeted primarily at Apple Corp. & UCSD. How can I get the OS to invoke my function "X" when it has trapped a fatal error? How can I get more details on the memory layout, stack frame and global areas in Apple Pascal?

Ever Forward,
tim born

From 3741595228295876473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84d972a9fccc4daf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-02 21:55:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Clock/Calendar Cards for Apple][series computers
Message-ID: <432@aicchi.UUCP>
Date: Wed, 3-Apr-85 00:55:32 EST
Article-I.D.: aicchi.432
Posted: Wed Apr 3 00:55:32 1985
Date-Received: Thu, 4-Apr-85 06:03:37 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 15

Does anyone know of any CHEAP (around $50) clock/calendar cards for the Apple][series computers?

It seems that all I see are the Thunderclock (~$109) and something from AST (clock, parallel & serial for ~$139).

If they put a clock, parallel and serial port on a board for $139, why can't they make a clock/calendar card for $50?

Any help would be appreciated. Mail me and I'll post the results.
--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From -3415156731766775563

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,afca95776583f09e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-03 06:10:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site burl.UUCP
Path: utzoo!watmath!clyde!burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro.apple
Subject: info on Aurora Systems wanted (re: an assembly lang. debugger)
Message-ID: <661@burl.UUCP>
Date: Wed, 3-Apr-85 09:10:46 EST
Article-I.D.: burl.661
Posted: Wed Apr 3 09:10:46 1985
Date-Received: Thu, 4-Apr-85 07:08:42 EST
Distribution: net
Organization: AT&T Technologies, Burlington NC
Lines: 11

As I mentioned in an earlier posting, I am trying to locate an assembly
language debugger for my Apple IIe. I did receive one response (from
Patrick Hsieh -- thanks) which mentioned a 6502 debugger from Aurora
Systems called Quicktrace (I am not exactly sure of the company name).
I would appreciate any information on either this company (like
an address, reputation, etc) or the debugger? The description Pat gave
made Quicktrace sound VERY attractive (fancy breakpointing, continuous
screen updates of several registers and memory loacations, etc).

    geoff sherwood
    burl!geoff

From 304994802010012439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,598070d53c5a4351
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-03 11:49:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal 1.2 upgrade - needed ?
Message-ID: <508@sftig.UUCP>
Date: Wed, 3-Apr-85 14:49:34 EST
Article-I.D.: sftig.508
Posted: Wed Apr 3 14:49:34 1985
Date-Received: Fri, 5-Apr-85 03:16:46 EST
References: <252@wuphys.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 13

Does anybody know anything about the rumor that Apple has a Pascal 1.3 in
the wings that runs under Prodos?

On another topic, does anybody know if Pascal (either version 1.1 or 1.2)
runs without modification on an "enhanced" IIe (With the 65C02 processor and
the new ROMS)? If not, does anybody have (pointers to) the patches to make
it work? I am seriously considering buying the upgrade kit, and don't want
to lock myself out of the Pascal world.

Rick Thomas
ihnp4!attunix!rbt
(201)-522-6062

From 1461798813336912662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1449378dca93c53a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-03 13:05:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!cjl
From: cjl@ecsvax.UUCP (Charles Lord)
Newsgroups: net.micro.apple
Subject: Re: To the matter of cheap software ..
Message-ID: <949@ecsvax.UUCP>
Date: Wed, 3-Apr-85 16:05:47 EST
Article-I.D.: ecsvax.949
Posted: Wed Apr 3 16:05:47 1985
Date-Received: Fri, 5-Apr-85 02:25:34 EST
References: <250@wuphys.UUCP>
Organization: NC Educational Computing Service
Lines: 5

Frank, you said it all!

So for the rest-

          ENOUGH ALREADY!

From 4346940905969343742
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,36d2cefa99f06606,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-03 17:06:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
tektronix!zehntel!vlsvax1!qantel!dual!ptsfa!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple

Subject: Apple Tech-Support Hot Line
Message-ID: <176@ski.UUCP>
Date: Wed, 3-Apr-85 20:06:59 EST
Article-I.D.: ski.176
Posted: Wed Apr 3 20:06:59 1985
Date-Received: Sat, 6-Apr-85 03:08:23 EST
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 43

Recently, I foamed at the mouth (on this group) about the apparent
move by Apple Computer to eliminate its Customer Tech-Support Line.
In fact, this month's issue of CALL-APPLE hadd a letter from a
similarly irate user.

Well, this week at the 10th Computer Faire, held in San Francisco, I
got to talk to someone from Tech Support Communications. He assured
me that Apple has no intentions of eliminating support for its
technically-minded users (read: hobbyist). He said that Apple was
EXPERIMENTING with alternatives to the ballooning Tech Support
problem. San FRancisco was chosen as the first test region.

I was told that there are some 192 engineers around the country who
answer the Tech Support phones, each answering 40 - 50 calls/day.
In addition to their salary, there is the expense to constantly
re-educate them. The cost apparently runs into the millions.
In additon, customers as well as dealers had much trouble getting
through to the swamped phone lines. Plus, much of the support was not
truly demanding the time of an engineer; much was "trivial" and could
have been answered by even the kind of secretaries who now staff the
typical Apple dealership.

Apple dealers, and certified registered Apple developers are now the
only ones (in the S.F. area) who can contact Apple Tech Support.
Apple dealers have the Apple Link, a Macintosh-based Email system,
complete with password, to send questions to Apple. Of course, the
answers are not in real time, and they/you cannot converse with the
engineer. I don't know how developers are handled (voice or Email).
I assume the dealers could call (voice) if they needed to. However,
can you imagine badgering an Apple dealer to Email something, thus
involving typying, about something he can hardly comprehend? An the
answer will come back the same way. My dealer barely has time to
answer the phone in incoming calls!

I made my views known to the Apple person I spoke to. We'll have to
wait and see how Tech Support evolves.

--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciences
2232 Webster St; San Francisco CA 94115
415/561-1705
              {ucbvax,dual,sun}!twg!ski!dr
              dual!ptsfa!ski!dr

From -5290631780302682813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-03 19:04:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdaisy.UUCP
Path: utzoo!watmath!watdaisy!ijdavis
From: ijdavis@watdaisy.UUCP (Ian Davis)
Newsgroups: net.games,net.micro.apple
Subject: Re: Software Piracy
Message-ID: <7171@watdaisy.UUCP>
Date: Wed, 3-Apr-85 22:04:33 EST
Article-I.D.: watdaisy.7171
Posted: Wed Apr 3 22:04:33 1985
Date-Received: Thu, 4-Apr-85 07:06:23 EST
References: <324@cmu-cs-spice.ARPA>
Organization: U of Waterloo, Ontario
Lines: 16
Xref: watmath net.games:1787 net.micro.apple:1849

I read in a current medical journal (my wife is a doctor) that someone
had come up with a clever solution to piracy... They give out software for
free, and urge that it be distributed.. The rider is that the software
contains a header notice inviting all users to contribute to the development
of additional software (if they liked the product) by making a charitable
donation to the developers of the software...
Frankly, I strongly suspect that most receivers of under-the-counter software
would be glad to contribute to the developers but don't have any reasonable
way of doing it. However, most people hate parting with cash too....
Overall, this seems like a risky venture but probably no riskier than any other
distribution method. As said earlier I market bridge and cribbage software
for the P.C. and my advertising is current over $1,000 for 7 small lines in
the blue book of P.C. for 6 issues.. That alone has put me out of business
since sales are at around 100 copies.
If anyone likes the above copy-protection idea send mail to me..
I don't read net.games as much as I should.... all work and no play...

From 5769654441105103421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a49f433a463f8aa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-04 08:43:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!harpo!
decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP (D Gary Grady)

Newsgroups: net.micro.apple
Subject: Re: Piracy and copyrights
Message-ID: <960@ecsvax.UUCP>
Date: Thu, 4-Apr-85 11:43:48 EST
Article-I.D.: ecsvax.960
Posted: Thu Apr 4 11:43:48 1985
Date-Received: Sat, 6-Apr-85 02:23:23 EST
References: <1400@decwrl.UUCP>
Organization: Duke U Comp Ctr
Lines: 45

> ... US laws read that a
> work is copyrighted at the moment of its creation. It is not, however, pro-
> tected in the eyes of the US courts unless its copyright is registered with
> the Library of Congress.

That ain't the way I heard it. Registration gets you the right to
punitive damages and so forth, but you can sue over theft of
unregistered material as well.

> ... heck, xeroxing a book is ALWAYS illegal unless
> the person doing it has written permission from the copyright holder.

No, there's something called the "fair use provision" of the law (a
codification of older common law now in the statute) that permits a
reasonable degree of copying. Copying a part of a book for limited use
is perfectly legal. The issue is whether enough copying is done so that
sales of the original work are potentially damaged. Incidentally, about
a year or two ago a major university was hit with (and lost) a
substantial suit from a textbook publisher when it transpired several
faculty members had been actively producing their own texts for courses
by selectivly copying chunks of various anthologies.

An aside: Not being overly worshipful of physical objects, I've always
thought the notion of property theft misleading, especially in the case
of intellectual property. If I could easily make a car, it would not
bother me much to have my car stolen. What bothers me is the work it
takes to replace it. It is theft of my labor and my time that disturbs
me.

If I work as a programmer and produce a program, someone presumably
pays me for that work. Suppose I work as a software developer (or, for
that matter, novelist) and create a package for sale. Each purchaser
can then buy the program at a fraction of what it would cost to hire me
for a custom program. That should make them happy. In return, I have
the potential to make a lot of money (if I'm very lucky), and that
should make me happy. Unfortunately, some people feel they have the
right to give away or steal my work because I still have a copy of it
and hence nothing has been "stolen". A little thinking should show
that this is irrelevant. Unfortunately, we're so ingrained to think in
the convenient shorthand of property rights that we don't think.
--
D Gary Grady

Duke U Comp Center, Durham, NC 27706
(919) 684-3695
USENET: {seismo,decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From 3207922603737694648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,73a513ebb9369026,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,73a513ebb9369026,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1985-04-04 16:39:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcc3!sdcc7!li63sdl
From: li63sdl@sdcc7.UUCP (DAVID SMITH)
Newsgroups: net.micro.apple,net.wanted
Subject: 65802 availability?
Message-ID: <1385@sdcc7.UUCP>
Date: Thu, 4-Apr-85 19:39:40 EST
Article-I.D.: sdcc7.1385
Posted: Thu Apr 4 19:39:40 1985
Date-Received: Sat, 6-Apr-85 02:18:15 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 7
Xref: watmath net.micro.apple:1857 net.wanted:6146

Does anyone know where I can find a 65802 microprocessor?
(That's the 8/16 bit super-chip that replaces a 6502)
I'd be grateful if you could put me onto a distributor,
or if anyone has the address of Western Digital Design.
            Thanks in advance
            David L. Smith
            UCSD   sdcc7!li63sdl

From 4818639599307244290
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-05 09:36:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcsvax.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!allyn
From: allyn@sdcsvax.UUCP (Allyn Fratkin)
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Re: Apple Pascal Debugger
Message-ID: <765@sdcsvax.UUCP>
Date: Fri, 5-Apr-85 12:36:39 EST
Article-I.D.: sdcsvax.765
Posted: Fri Apr 5 12:36:39 1985

Date-Received: Sat, 6-Apr-85 08:09:08 EST
References: <338@ihlpg.UUCP>
Distribution: na
Organization: U.C. San Diego
Lines: 30
Xref: dcdwest net.lang.pascal:219 net.micro.apple:1713

In article <338@ihlpg.UUCP>, timborn@ihlpg.UUCP writes:
>
> Now for my next query. This is targeted primarily at Apple Corp. & UCSD.
> How can I get the OS to invoke my function "X" when it has trapped a fatal
> error?

You can't. You can get the operating system to try to continue
running your program (if you think it might help) by pressing <esc> at
the "type space to continue" prompt.

> How can I get more details on the memory layout, stack frame and
> global areas in Apple Pascal?

There is an Internal Architecture Guide available for version IV of the
system, so there *may* be a version for II.1 (on which the Apple
system is based). If it isn't available from Apple, it may be available
from Softech Microsystems (619)451-1230. Make sure you don't get the
guide for version IV because it is very different.

I know this doesn't help much, but you could always change to UCSD p-System
version IV.13 (available from Softech for a very costly price).
It *does* come with a symbolic debugger and it seems pretty nice, although
I don't use it. It also has a number of nice features that the
Apple Pascal system doesn't have. It is also very slow on an Apple.
--

 From the virtual mind of Allyn Fratkin   allyn@UCSD.ARPA   or
                          UCSD EMU/Pascal Project {ucbvax, decvax, ihnp4}
                          U.C. San Diego   !sdcsvax!allyn

 "Generally you don't see that kind of behavior in a major appliance."

From 5618739143846499109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,62282bff54ec93bb,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,62282bff54ec93bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-05 12:44:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!decvax!bellcore!sabre!zeta!epsilon!gamma!ulysses!mhuxr!ihnp4!ihlpg!
timborn
From: timborn@ihlpg.UUCP
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Apple Pascal Debugger (repost)

Message-ID: <350@ihlpg.UUCP>
Date: Fri, 5-Apr-85 15:44:28 EST
Article-I.D.: ihlpg.350
Posted: Fri Apr 5 15:44:28 1985
Date-Received: Fri, 5-Apr-85 23:56:02 EST
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 36

I posted a query last week asking if there was a debugger for Apple Pascal.
By and large the responses were negative (some maybes, no affirmatives).

I think it's evident to anyone who has used Apple's Pascal that the error
messages are generally not very useful. I won't bother with the indictment.
Let me propose a debugging technique that is crude but effective,
and expandable.

Given a procedure "X" that is compiled and linked into the buggy program,
but never actually called by the program. When the OS traps an error,
instead of (or in addition to) the usual "Urrp! Press any key to reset",
the OS would invoke the procedure X. Presumably X has not been trashed out
by the error (no guarantees on that one), and X has enough knowledge of
the memory map and stack frames to perform some reasonable debugging.

X can take on many forms. One that might be useful would be the proverbial
"core dump" routine. To wit: X dumps the Apple's memory to a disk file
for later analysis. This has several advantages: X is small; the machine
will be in a sane (reset) state during the analysis; several kinds of
analyzers could be used independently or together on the same core file.

The analyzers could be interactive (ala sdb), or a simple stack back trace
with local variables displayed (always in good taste). This is the
expandable part: not only can the person-one-smarter-than-you write a
useful analyzer for Apple Pascal users, but the core file could be
"standardized" such that it could be transportable to others.
Just think: a whole new industry of core-fixers. Just send them your core
dump and a check, and poof! back comes your bug, all solved.

Now for my next query. This is targeted primarily at Apple Corp. & UCSD.
How can I get the OS to invoke my function "X" when it has trapped a fatal
error? How can I get more details on the memory layout, stack frame and
global areas in Apple Pascal?

Ever Forward,
tim born

From 3376282916579146686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,296f053d4af52413
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-05 17:19:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site helens.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!vax135!cornell!uw-beaver!
uw-june!entropy!dataio!helens!sman
From: sman@helens.UUCP (Michael Spillman)
Newsgroups: net.micro.apple
Subject: Re: put out the flames
Message-ID: <127@helens.UUCP>
Date: Fri, 5-Apr-85 20:19:20 EST
Article-I.D.: helens.127
Posted: Fri Apr 5 20:19:20 1985
Date-Received: Mon, 8-Apr-85 01:44:39 EST
References: <666@oddjob.UUCP>
Distribution: net
Organization: Data I/O Corp., Redmond WA
Lines: 5

> How about putting these flames where they belong. They have very
> little to do with "net.micro.apple" except that most of the authors
> may own an apple.

     Here! HEAR! One vote for! Move 'em out!

From -8963401087726989179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,14ceeb7835c1d1a5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-06 05:25:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: DOS3.3 text files to ProDos
Message-ID: <9765@brl-tgr.ARPA>
Date: Sat, 6-Apr-85 08:25:51 EST
Article-I.D.: brl-tgr.9765
Posted: Sat Apr 6 08:25:51 1985
Date-Received: Mon, 8-Apr-85 01:17:00 EST
References: <178@mhuxl.UUCP>
Distribution: na
Organization: Ballistic Research Lab
Lines: 6

> Do you know of a way to convert text files on a DOS3.3 disc to ProDos, to
> permit editing with a word processor such as Appleworks?
> The computer is an Apple IIc. The IIc Systems Utilities does not work.

?? The ProDOS User's Disk contains a DOS <-> ProDOS converter that
works just fine for me. (I have an enhanced //e.)

From 8132296476056471078

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5498e80b8b139a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-06 06:16:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (Wherever you go, there you are.)
Newsgroups: net.micro.apple
Subject: Re: Copyrights and piracy
Message-ID: <1529@decwrl.UUCP>
Date: Sat, 6-Apr-85 09:16:51 EST
Article-I.D.: decwrl.1529
Posted: Sat Apr 6 09:16:51 1985
Date-Received: Sun, 7-Apr-85 10:26:34 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 77

In response to Gary Grady:

>> ... US laws read that a
>> work is copyrighted at the moment of its creation. It is not, however, pro-
>> tected in the eyes of the US courts unless its copyright is registered with
>> the Library of Congress.

> That ain't the way I heard it. Registration gets you the right to
> punitive damages and so forth, but you can sue over theft of
> unregistered material as well.

True, you can indeed sue. Convincing a court that an unregistered work was originally yours is the difficult part, unless you can produce credible disinterested witnesses who will depose that they saw it with your name on it BEFORE THE DEFENDANT COULD >POSSIBLY< HAVE PRODUCED HIS OR HER FIRST COPY. And that's tough, unless one of your witnesses is the defendant's roommate or a close co-worker! Hence, unregistered works are not really protected. The instruction pamphlet that the Registrar of Copyrights supplies to those intending to register makes it clear that the whole point of registration is to provide you with just the proof you might need in court.

>> ... heck, xeroxing a book is ALWAYS illegal unless
>> the person doing it has written permission from the copyright holder.

> No, there's something called the "fair use provision" of the law (a
> codification of older common law now in the statute) that permits a
> reasonable degree of copying. Copying a part of a book for limited use
> is perfectly legal.

Not necessarily. It is usually tolerated because enforcement of the copyright protection is not possible, but take a moment to read the notices in a couple of books - here's a fairly standard one:

Copyright 1985 by ...

> All rights reserved. No portion of this work may be re-
> produced or represented in any form, including but not
> limited to optical, mechanical, electronic, or magnetic
> copying, storage, or transmission, without the prior
> written consent of the copyright holder.

Such a statement is crystal clear - you copy my book, even one page, and if I find out about it I'll roast you over a slow fire. Many works include the provision, "except for brief passages by a reviewer for use in a review", which nails it down even tighter by specifying the one permissible incidence of copying.

> An aside: Not being overly worshipful of physical objects, I've always
> thought the notion of property theft misleading, especially in the case
> of intellectual property. If I could easily make a car, it would not
> bother me much to have my car stolen. What bothers me is the work it
> takes to replace it. It is theft of my labor and my time that disturbs
> me.

Ah, what a wonderful attitude! :=) I tell you what: You find a nice house that you especially like, perhaps getting a realtor to locate it for you so that your own time and effort will be minimised. Then I'll come and live in it, leaving you to find another. I'll pay you a fair wage for the time you spent looking. I doubt you're ready to agree to such an absurd proposal, but, after all, you shouldn't care - it's just a piece of physical property.

> ...Unfortunately, some people feel they have the right to give away or steal
> my work because I still have a copy of it and hence nothing has been "stolen".
> A little thinking should show that this is irrelevant...

The whole premise of intellectual property is just that - though such things are intangibles, i.e., how do you weigh the thought required to produce a line of code, they are still very real. They are an actual investment made in expectation, or at least hope, of a return.

Cheers,
Dick Binder (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Sat 6-Apr-1985 09:10 Eastern Standard Time

From -8036253435126049484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,f3b1b9ac52af355f
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,f3b1b9ac52af355f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-07 10:14:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site uwai.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!uwai!neves
From: neves@uwai.UUCP
Newsgroups: net.lang.pascal,net.micro.apple
Subject: Re: Apple Pascal Debugger
Message-ID: <190@uwai.UUCP>
Date: Sun, 7-Apr-85 13:14:14 EST
Article-I.D.: uwai.190
Posted: Sun Apr 7 13:14:14 1985
Date-Received: Tue, 9-Apr-85 01:08:28 EST
References: <338@ihlpg.UUCP> <765@sdcsvax.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 31
Xref: linus net.lang.pascal:277 net.micro.apple:1527

>
> > How can I get more details on the memory layout, stack frame and
> > global areas in Apple Pascal?
>
A good source for the internals of Apple Pascal is "All about Pascal"
published by CALL APPLE. It describes Pascal version 1.1, not 1.2.
Another source I have heard about is "P-source" by Randall Hyde
published by
  Datamost
  8943 Fullbright Ave.
  Chatsworth, CA 91311

I have never seen P-source but an engineer at Apple once refered me to it
when he couldn't answer my question.

I've kind of given up on Apple Pascal. It is too slow and doesn't talk
with the rest of the Apple world (i.e. PRODOS). For people who want to
program in Pascal on the Apple (and do not need graphics) I recommend a
6mz Z-80 card and Turbo Pascal. The editor that comes with Turbo is so
much better than the @#$% UCSD editor! Turbo seems to takes as much time
to compile and start a program as Apple Pascal takes to start an already
compiled program.

I'm still waiting for a Pascal compiler that produces 6502 code and runs
under PRODOS. Maybe the new 65C02 chip will inspire some developers.--
David Neves
Computer Sciences Department
University of Wisconsin-Madison

Usenet: {allegra,heurikon,ihnp4,seismo,uwm-evax}!uwvax!neves
Arpanet: neves@uwvax

From -6018126841854832854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5498e80b8b139a3
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-04-07 10:58:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watdcsu.UUCP
Path: utzoo!watmath!watdcsu!murlocker
From: murlocker@watdcsu.UUCP (murlocker)
Newsgroups: net.micro.apple
Subject: Re: Copyrights and piracy
Message-ID: <1219@watdcsu.UUCP>
Date: Sun, 7-Apr-85 13:58:08 EST
Article-I.D.: watdcsu.1219
Posted: Sun Apr 7 13:58:08 1985
Date-Received: Mon, 8-Apr-85 02:11:52 EST
References: <1529@decwrl.UUCP>
Organization: U of Waterloo, Ontario
Lines: 28

>
> > No, there's something called the "fair use provision" of the law (a
> > codification of older common law now in the statute) that permits a
> > reasonable degree of copying. Copying a part of a book for limited use
> > is perfectly legal.
>
> Not necessarily. It is usually tolerated because enforcement of the copyright
> protection is not possible, but take a moment to read the notices in a couple
> of books - here's a fairly standard one:
>
>   Copyright 1985 by ...
>
>   All rights reserved. No portion of this work may be re-
>   produced or represented in any form, including but not
>   limited to optical, mechanical, electronic, or magnetic
>   copying, storage, or transmission, without the prior
>   written consent of the copyright holder.
>

Standard copyright provisions which do not mention the allowance of "fair use"
copying do not over-ride the copying for fair use, since these are guaranteed
by the copyright act.

As an aside, I don't know how applicable the fair use laws are to software.
Presumably the people who run "software evaluation clubs" are trying to fall
into this catagory, but I don't think the courts would agree.

                                mark

From 5067205300075416188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,f90a89e293e2f955,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,f90a89e293e2f955,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-04-07 20:51:37 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.games,net.micro.apple
Subject: Knight of Diamonds help wanted
Message-ID: <9788@brl-tgr.ARPA>
Date: Sun, 7-Apr-85 23:51:37 EST
Article-I.D.: brl-tgr.9788
Posted: Sun Apr 7 23:51:37 1985
Date-Received: Tue, 9-Apr-85 03:54:05 EST
Distribution: net
Organization: Ballistic Research Lab
Lines: 5
Xref: linus net.games:1287 net.micro.apple:1528

I have all the clues on the 6th level of Knight of Diamonds
but haven't been able to puzzle out the answer to the
riddle of the Sphinx. The obvious things haven't worked.
Hints or outright answers would be appreciated.
     decvax!brl-bmd!gwyn   gwyn@brl.arpa

From -7314643638143497429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,38e46ba36c7e6997,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 15:06:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site spar.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!decwrl!spar!
maciag
From: maciag@spar.UUCP (Chris Maciag)
Newsgroups: net.micro.apple
Subject: Apple //c termcap wanted
Message-ID: <114@spar.UUCP>
Date: Thu, 28-Feb-85 18:06:18 EST
Article-I.D.: spar.114
Posted: Thu Feb 28 18:06:18 1985
Date-Received: Mon, 4-Mar-85 06:46:28 EST
Distribution: net
Organization: Schlumberger Palo Alto Research, CA
Lines: 5

I just purchased an Aplle //c and I would like to connect it to our Vax.
Does anyone have a termcap for the //c?

     Thanks
     Chris

From 519213362394847048
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 152df8,547154d49e411aa0,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 12da6b,547154d49e411aa0,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,547154d49e411aa0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 15:18:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site osu-eddie.UUCP
Path: utzoo!watmath!clyde!cbosgd!apr!osu-eddie!tepj
From: tepj@osu-eddie.UUCP (Tom Phillips)
Newsgroups: net.micro.apple,net.micro.mac,net.lang.c
Subject: Megamax-c user problem person
Message-ID: <141@osu-eddie.UUCP>
Date: Thu, 28-Feb-85 18:18:16 EST
Article-I.D.: osu-eddi.141
Posted: Thu Feb 28 18:18:16 1985
Date-Received: Sun, 3-Mar-85 04:51:45 EST
Distribution: net
Organization: Ohio State Univ., CIS Dept., Cols, Oh.
Lines: 24
Xref: watmath net.micro.apple:1717 net.micro.mac:713 net.lang.c:4602

[... carnage ...]

Well, hi there again! First, thanks to all (18!) of the honest Netters who
replied to me 'bout the Megamax-C thing. All the necessary info has been
forewarded to Megamax and the plan to deal with it accordingly. (I am still
hopeful of no copy protection scheme)

Second, for all of the Megamax-C OWNERS out there I will be accepting
Bug-Reports on the Megamax-C Compiler/Linker, etc package. NOTICE I said
BUG_REPORTS, not programming questions, etc. If the programming question
has somthing to do with a bug or a fix there's a chance I can help.
I will provide this service for a while to see what kind of turn out I get
and as a disclaimer, I reserve the right to quit it at any time, etc.

              Flip /tom/ Phillips
cbosgd!osu-eddie!tepj

Also:
  This has nothing to do with the Ohio State Univ, Its employees, Its
children, its people, nothing...
--
         Tom (Flip) Phillips
         The Ohio State University
         osu-eddie!tepj

From 4792513646624351198
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,36b3b73e987d5ac6,start
X-Google-Attributes: gid152df8,public

X-Google-Thread: 1622d3,36b3b73e987d5ac6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 21:12:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!rochester!ritcv!jxf6805
From: jxf6805@ritcv.UUCP (J Froehlich)
Newsgroups: net.micro.mac,net.micro.apple
Subject: NEED HELP WITH MACSTUFF
Message-ID: <1562@ritcv.UUCP>
Date: Fri, 1-Mar-85 00:12:13 EST
Article-I.D.: ritcv.1562
Posted: Fri Mar 1 00:12:13 1985
Date-Received: Mon, 4-Mar-85 05:49:31 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 14
Xref: watmath net.micro.mac:720 net.micro.apple:1720

I recently purchased "Inside Macintosh" in order to do some development work.
However, no documentation was supplied that described how to use the utilities
on the 3 MacStuff disks. For example, when I opened the Font Editor I only
received the 'watch' icon and no matter how long I waited the watch didn't
disappear. When I clicked the mouse, the system bombed. Then I tried to create
a screen using the 'screen maker'. The system didn't bomb but the next time
I loaded the MacStuff disk, the screen I created showed up instead of the
<Welcome to Macintosh> screen. I assumed screenmaker was to transfer screens
created in MacPaint to applications.

Can anyone shed any light on this. Where can I get documentation describing
the use of the MacStuff disks? Can anyone help me get started using these?

Thanks!

From 4562222647395331294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,7e86a19b86feef22,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,7e86a19b86feef22,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 21:18:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!rochester!ritcv!jxf6805
From: jxf6805@ritcv.UUCP (J Froehlich)
Newsgroups: net.micro.mac,net.micro.apple
Subject: RESOURCE MANAGER ??????
Message-ID: <1563@ritcv.UUCP>
Date: Fri, 1-Mar-85 00:18:53 EST
Article-I.D.: ritcv.1563

Posted: Fri Mar 1 00:18:53 1985
Date-Received: Mon, 4-Mar-85 05:49:58 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 8
Xref: watmath net.micro.mac:721 net.micro.apple:1721

Can anyone give me a barebones description of what the resource manager does
and in particular how to use it within the framework of Softech's MacAdvantage?
I have been reading Inside Mac and Softech's reference manual and am totally
confused. The ID nos. in Inside Mac seem to be 'magic'. Where do they come
from and how do I determine whic ID nos. to create for my particular application?
I am only starting to work with the Mac and would appreciate any information
no matter how basic!

Thanks in advance!

From -3291093761503644708
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,e75d0fdcfd0a74ad
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,e75d0fdcfd0a74ad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-01 08:31:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple,net.games
Subject: Re: Ultima III questions (small spoilers)
Message-ID: <8819@brl-tgr.ARPA>
Date: Fri, 1-Mar-85 11:31:15 EST
Article-I.D.: brl-tgr.8819
Posted: Fri Mar 1 11:31:15 1985
Date-Received: Mon, 4-Mar-85 06:15:39 EST
References: none <736@bunker.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 7
Xref: watmath net.micro.apple:1722 net.games:1676

> Does anyone know where to find the Mark of the King?
     The lower level of one of the dungeons (I forget which).

> What are some of the 'other' commands?
     INCANT (or some such) is useful for dealing with the snake.

     I would like to hear the answers to the other questions..

From -2365404296022231222

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22373ea72af084d7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-01 17:53:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!cord!ihnp1!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Re: Beneath Apple DOS
Message-ID: <383@aicchi.UUCP>
Date: Fri, 1-Mar-85 20:53:01 EST
Article-I.D.: aicchi.383
Posted: Fri Mar 1 20:53:01 1985
Date-Received: Sun, 3-Mar-85 03:11:03 EST
References: <400@ihu1e.UUCP>
Reply-To: joeloda@aicchi.UUCP (Joseph D. Loda)
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 35
Keywords: Apple, DOS, PRODOS
Summary:

In article <400@ihu1e.UUCP> jgpo@ihu1e.UUCP (John, KA9MNK) writes:
>Is the book *Beneath Apple DOS* still in print? I found a copy a couple
>of years ago, but didn't buy it (alas). Now that I know it's an essential
>part of any true hacker's professional library, I can't seem to find it.
>Could someone tell me if it's still available, the ISBN number, and the
>publisher's name and address? Thanks.
>
>   John Opalko
>   AT&T Bell Labs
>   Naperville, IL
>   ...!ihnp4!ihu1e!jgpo

Yes, this book is still available. I'm surprised you haven't been able to
find it. Most well stocked, Apple-oriented computer stores carry it, and
its companion 'Beneath Apple PRODOS' (Data Domain in Schaumburg has it).

Anyway, the publisher is:

      Quality Software
      21601 Marilla Street
      Chatsworth, Ca 91311

These books are also available from Call-APPLE, one of the largest Apple
user groups around. It is worthwhile for Apple users of any skill level.
Their address is:

      A.P.P.L.E.
      290 S.W. 43rd Street
      Renton, Wa 98055
      (206) 251-5222 or (800) 426-3667 for orders or membership application.

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 6240439044096470013
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,c10e87ff725885f2,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,c10e87ff725885f2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-01 18:13:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site dartvax.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxj!mhuxr!ulysses!allegra!bellcore!
decvax!dartvax!tedi
From: tedi@dartvax.UUCP (Edward M. Ives)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Lotus Jazz
Message-ID: <2793@dartvax.UUCP>
Date: Fri, 1-Mar-85 21:13:47 EST
Article-I.D.: dartvax.2793
Posted: Fri Mar 1 21:13:47 1985
Date-Received: Mon, 4-Mar-85 06:25:07 EST
Distribution: net
Organization: Dartmouth College, Hanover, NH
Lines: 27
Xref: watmath net.micro.mac:717 net.micro.apple:1719

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
I just attended a demo of Lotus' Jazz for the Macintosh (version .23).
Here is what little I know:
1.) You need 512k and an external drive
2.) It has communications (VT100,VT52)
3.) It has word-processing (looks just about like Macwrite as far as features).
4.) Great graphics, database, spreadsheet.
5.) Suggested price: about $595
6.) Release date (it looks like) - End of March.
  Jazz was really impressive-everything is integrated quite well; you can
copy a graph into a wp document and rescale whenever you feel like it; you also
have
the option of having the graph change depending on whether the original data
changes or just freezing the graph the way it is.
    As far as speed, it was pretty good, not hampered by the drive, as everything
is in RAM. One important difference between Jazz and 1-2-3/Symphony; Jazz
doesn't allow macros. You can still do formulas for the spreadsheet, but as
for large, complex operations ranging from option to option, forget it. But
with the Macintosh user interface, it may not matter too much.
    Altogether, it looked real slick, except when I selected "quit" and got
a system bomb.
    I think people are gonna love it - it's a natural Macintosh-type application.

Ted Ives
Dartmouth College
Hanover, N.H.
ihnp4!philabs!dartvax!tedi
These opinions do not reflect anybody elses in particular, and I am of course
in no way associated with Lotus Development Corp. or related to Mitch Kapor.

From 8973321249680679101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f78d72512e298ab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-02 16:04:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!dec-rhea!
dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: 16 Bit Apples...????
Message-ID: <838@decwrl.UUCP>
Date: Sat, 2-Mar-85 19:04:30 EST
Article-I.D.: decwrl.838
Posted: Sat Mar 2 19:04:30 1985
Date-Received: Mon, 4-Mar-85 08:22:37 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 20

Hi All,

There have been rumors about a 65816 cip fo a while now. I've heard that it is
pin COMPATIBLE with the 6502/C02. T6he main problem i can see though is that
applebus. Whether anyone will come with a way around this I don't know. As for
the Beneath pple Dos book.... Yes it's still in print!!! You jsut have to find
a good computer store Also the person that put the question on the net about
seeking with a drive. All you have to do is enter the trk/sec in B7EC/ED (its
in the book) Let Apple's RWTS do the rest for you. Unless ofcourse you want to
make your own RWTS... In any case I would use there WTS.

Note: A while ago I posted on the net that APPLEWORKS doesn't support the
OKIDATA 92 pinter (or any okidata) Well they still don't but if you have any
printer with a GRAPPLER [+ too] you MUST get the APPLEWORKSconfiguration
Now when you try and print in 96/132 etc.. mode it'll work right. The ONLY reason
that this came about is due to the people that make the Grappler--Orange Micro.
It still seems that apple refuses to help out thUSER!!!!!!!!!

have phun!!!!

Joe Craparotta

From 496128289735315522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,e75d0fdcfd0a74ad
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,e75d0fdcfd0a74ad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-03 10:20:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site dartvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!dartvax!davidk
From: davidk@dartvax.UUCP (David C. Kovar)
Newsgroups: net.micro.apple,net.games
Subject: Re: Ultima III questions (small spoilers)
Message-ID: <2798@dartvax.UUCP>
Date: Sun, 3-Mar-85 13:20:24 EST
Article-I.D.: dartvax.2798
Posted: Sun Mar 3 13:20:24 1985
Date-Received: Tue, 5-Mar-85 02:31:47 EST
References: none <736@bunker.UUCP> <8819@brl-tgr.ARPA>
Distribution: net
Organization: Dartmouth College, Hanover, NH
Lines: 22
Xref: watmath net.micro.apple:1727 net.games:1683

> > Does anyone know where to find the Mark of the King?
>   The lower level of one of the dungeons (I forget which).
>
> > What are some of the 'other' commands?
>   INCANT (or some such) is useful for dealing with the snake.
>
>   I would like to hear the answers to the other questions..

Back when I owned an IBM PC I won Ultima III. If you could be a bit
more specific with your questions, I should be able to answer your
questions. Wish the game would come out for the Mac...

--
David C. Kovar
         USNET: {linus|decvax|cornell|astrovax}!dartvax!davidk%amber
         ARPA: davidk%amber%dartmouth@csnet-relay
         CSNET: davidk%amber@dartmouth

"The difficult we did yesterday, the impossible we are doing now."

From -7873590730731101280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,5501fc25e23428b1,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,5501fc25e23428b1,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-03 14:39:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site emory.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!akgua!emory!
adam
From: adam@emory.UUCP (Adam Beguelin)
Newsgroups: net.micro.mac,net.micro.apple
Subject: RAM Serial drivers
Message-ID: <1473@emory.UUCP>
Date: Sun, 3-Mar-85 17:39:10 EST
Article-I.D.: emory.1473
Posted: Sun Mar 3 17:39:10 1985
Date-Received: Mon, 4-Mar-85 20:37:53 EST
Distribution: net
Organization: Math & Computer Science, Emory University, Atlanta
Lines: 29
Xref: watmath net.micro.mac:734 net.micro.apple:1726

A few weeks ago I posted an article asking how one might use the RAM serial drivers. I got a lot of replies but they were from people who also would like to use the RAM serial drivers.

Has ANYONE ever really used these drivers? If so could you please post some information about how one actually does it. It seems I am not alone in wanting this information.

I am using SUMacC but others seem to be using stand alone C compilers. I did not recieve any mail from anyone using a Lisa. Perhaps the drivers exist on the Lisa systems.

A SOLUTION:
If you just want to use the RAM drivers to handle the Xon/Xoff then you can get by using the ROM drivers by just checking the fullness of the buffer every once in a while and sending a ^S if it gets too full. Later when you have read the buffer remember to send a ^Q to start things back up again. This is a hassle but it seems to work. Hopefully this will be eliminated if we can figure out the RAM drivers.

Adam Beguelin
Emory University
Dept of Math and CS
Atlanta, GA 30322

{akgua,sb1,gatech}!emory!adam   USENET
adam@emory   CSNET
adam.emory@csnet-relay   ARPANET

From -7274756509011613308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22373ea72af084d7

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-03 20:41:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!umcp-cs!cvl!liang
From: liang@cvl.UUCP (Eli Liang)
Newsgroups: net.micro.apple
Subject: Re: Re: Beneath Apple DOS
Message-ID: <120@cvl.UUCP>
Date: Sun, 3-Mar-85 23:41:52 EST
Article-I.D.: cvl.120
Posted: Sun Mar 3 23:41:52 1985
Date-Received: Wed, 6-Mar-85 04:11:27 EST
References: <400@ihu1e.UUCP> <383@aicchi.UUCP>
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 52

> In article <400@ihu1e.UUCP> jgpo@ihu1e.UUCP (John, KA9MNK) writes:
> >Is the book *Beneath Apple DOS* still in print? I found a copy a couple
> >of years ago, bu4 didn't buy it (alas). Now that I know it's an essential
> >part of any true hacker's professional library, I can't seem to find it.
> >Could someone tell me if it's still available, the ISBN number, and the
> >publisher's name and address? Thanks.
> >
> >   John Opalko
> >   AT&T Bell Labs
> >   Naperville, IL
> >   ...!ihnp4!ihu1e!jgpo
>
> Yes, this book is still available. I'm surprised you haven't been able to
> find it. Most well stocked, Apple-oriented computer stores carry it, and
> its companion 'Beneath Apple PRODOS' (Data Domain in Schaumburg has it).
>
> Anyway, the publisher is:
>
>   Quality Software
>   21601 Marilla Street
>   Chatsworth, Ca 91311
>
> These books are also available from Call-APPLE, one of the largest Apple
> user groups around. It is worthwhile for Apple users of any skill level.
> Their address is:
>
>   A.P.P.L.E.
>   290 S.W. 43rd Street
>   Renton, Wa 98055
>   (206) 251-5222 or (800) 426-3667 for orders or membership application.
> --
> Joe Loda
> Analysts International (Chicago Branch)
> (312) 882-4673

> ..!ihnp4!aicchi!joeloda

There is another book out now which is better. I think it is called the Apple Programmer's Handbook. Though there are many books out with similar names, this is the one that came out just this year and with totally worthwhile information. Among other things, it has much of the basic information in the Beneath Apple DOS book. Unfortunately, it doesn't go into PRODOS.

-eli

--

~~~~~~
Eli Liang ---
        University of Maryland Computer Vision Lab, (301) 454-4526
        ARPA: liang@cvl, eli@mit-mc, eli@mit-prep CSNET: liang@cvl
        UUCP: {seismo,rlgvax,allegra,brl-bmd,nrl-css}!umcp-cs!cvl!liang

From -4289663591247011999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-04 10:30:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek
From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <381@utai.UUCP>
Date: Mon, 4-Mar-85 13:30:12 EST
Article-I.D.: utai.381
Posted: Mon Mar 4 13:30:12 1985
Date-Received: Mon, 4-Mar-85 14:43:13 EST
References: <9@zurton.UUCP>
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Organization: CSRI, University of Toronto
Lines: 9
Summary:

I tried to execute some of the unused 6502 opcodes and found one that seems to conform to the described HCF specs. That is, the processor seems to hang up and doesn't go anywhere until it gets a reset.
   Of course, I didn't let it sit there long enough to find out if the processor would self-destruct. If anybody is willing to satisfy our curiosities, the op-code was $12. As noted, the presence of the HCF instruction may depend on the chip manufacturer. Unfortunately, I forgot to check who made mine.
   Greg Dudek
~~~~~~

From 4046047323092973952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,e75d0fdcfd0a74ad
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 152df8,a52b14fecef52bf0,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,e75d0fdcfd0a74ad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-04 10:52:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ut-sally.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!ut-sally!brian
From: brian@ut-sally.UUCP (Brian H. Powell)
Newsgroups: net.micro.apple,net.games,net.micro.mac
Subject: Re: Ultima III questions (mac stuff)
Message-ID: <1213@ut-sally.UUCP>
Date: Mon, 4-Mar-85 13:52:32 EST
Article-I.D.: ut-sally.1213
Posted: Mon Mar 4 13:52:32 1985
Date-Received: Thu, 7-Mar-85 03:56:15 EST
References: none <736@bunker.UUCP> <8819@brl-tgr.ARPA> <2798@dartvax.UUCP>
Distribution: net
Organization: U. Texas CS Dept., Austin, Texas
Lines: 14
Xref: watmath net.micro.apple:1731 net.games:1692 net.micro.mac:755

> Back when I owned an IBM PC I won Ultima III. ...
> ...   Wish the game would come out for the Mac...
>
> David C. Kovar
>   USNET: {linus|decvax|cornell|astrovax}!dartvax!davidk%amber
>   ARPA: davidk%amber%dartmouth@csnet-relay
>   CSNET: davidk%amber@dartmouth
>

     The Macintosh version of Ultima III is in the works. I won't venture
to say when it will come out, but it will come out in a "little while".
The author of the IBM version is doing the Mac version also.

Brian H. Powell   brian@ut-sally

From -1661511480835400578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a1a78217f7adffbb
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a1a78217f7adffbb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-04 12:32:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxj!mhuxr!ulysses!allegra!bellcore!
decvax!tektronix!hplabs!hpda!fortune!amdcad!amd!dual!ptsfa!politik!ski!dr

From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Curve Plotter for Diablo?
Message-ID: <161@ski.UUCP>
Date: Mon, 4-Mar-85 15:32:14 EST
Article-I.D.: ski.161
Posted: Mon Mar 4 15:32:14 1985
Date-Received: Sat, 9-Mar-85 08:48:31 EST
References: <1933@sdcc6.UUCP>
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 43
Xref: watmath net.micro:9629 net.micro.apple:1733

> Does anyone out there, have, in any language (high level), for any
> computer, a program which will do simple two dimensional curves on a
> Diablo printer.

I have a slightly kluge-y way of doing this on the Apple.

First, I create a graph using the Interactive Microware, Inc.,
(State College, PA (814) 238-8294),
package called Graph-Pak ($145). I use the section called Scientific
Plotter, which is available separately for about $30 or $40.
You can input your data by hand, or read it from a disk file.

If you want, you can use their Curve Fitter program, available
separately for $35, to fit the data with various smoothing
schemes. The fitted data can then be passed back to the
Scientific Plotter for axes and numbering.

Once you have the final graph, it is usually dumped to a graphics
printer, using a Pkaso-U or Grappler+ parallel card. Instead, I
save it to disc.

However, since I have a serial printer, both a C. Itoh dot-matrix,
and a Qume daisy-wheel printer, I opted for something else.
Smartware of Dayton, Ohio (513) 426-3579, makes a software package
called ADVANCED GRAFPAK which lets one dump HGR screens 1 and 2 to
almost any printer, dot-matrix or daisy-wheel, using either serial
or parallel cards instead or a hardware graphics dumper.
It is not as fast as a dumper card, but it is reasonable,
especially at the $35 price. It is also available from
Interactive Microware, Inc. I then load one of the graphs from the
disc I created above, and then run it using this GRAFPAK. You
have a choice of printing characters; I use the period for the
line graphs.

I think the Roger Wagner Software program called
PRINTOGRAPHER also serves a similar function to ADVANCED GRAFPAK.
You still need to create a hi-res graphics screen to dump from.
--
David Robins; Smith-Kettlewell Institute of Visual Sciencs
2232 Webster St; San Francisco CA 94115

415/561-1703
{ucbvax,dual,sun}!twg!ski!dr
{ucbvax!mtxinu,dual!ptsfa,sun!texsun}!politik!ski!dr

From -8442084639771783650
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22373ea72af084d7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-04 17:52:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Re: Beneath Apple DOS
Message-ID: <386@aicchi.UUCP>
Date: Mon, 4-Mar-85 20:52:13 EST
Article-I.D.: aicchi.386
Posted: Mon Mar 4 20:52:13 1985
Date-Received: Wed, 6-Mar-85 02:13:31 EST
References: <400@ihu1e.UUCP>
Reply-To: joeloda@aicchi.UUCP (Joseph D. Loda)
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 35
Summary:

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>   John Opalko
>   AT&T Bell Labs
>   Naperville, IL
>   ...!ihnp4!ihu1e!jgpo

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      Quality Software
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      Chatsworth, Ca 91311

These books are also available from Call-APPLE, one of the largest Apple
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Their address is:

A.P.P.L.E.
290 S.W. 43rd Street
Renton, Wa 98055
(206) 251-5222 or (800) 426-3667 for orders or membership application.

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From -2029398562693884196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7466aa50dc89c859,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-05 07:37:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!rochester!emil
From: emil@rochester.UUCP
Newsgroups: net.micro.apple
Subject: Apple II+ hardware/software/magazines/books for sale
Message-ID: <7015@rochester.UUCP>
Date: Tue, 5-Mar-85 10:37:07 EST
Article-I.D.: rocheste.7015
Posted: Tue Mar 5 10:37:07 1985
Date-Received: Sat, 9-Mar-85 11:37:24 EST
Sender: emil@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 68

From: Emil Rainero <emil>

I just got a mac and it doesn't look like I'll ever return to my apple II+.

Would you like to buy any of my games for the II+ cheap?
Please note that these are the original disks.
Incomplete list: (complete original documentation)
     Computer Bismark($20)
     Pinball ($10)
     Germany 1985 ($25)
     Thief($10)
     Snack Attack($10)
     Warp Factor($10) (lost the documentation)
     Sargon II($15)
     Invasion Orion($10)
     Stellar Trek($10)
     Epoch($10) 3-D game
     A2-FS1 Flight Simulator($15)

Crossfire($10)
Operation Apocalypse($10)
Computer Conflict($10)

Languages: (almost complete documentation)
GrafForth($50)
Big Mac macro assembler($10)
Dos Tool Kit($10)
Lisa Version 2.5 (lost the manual)
Symbol Symon($10)
(some kind of lisp)

Magazines: (best offer per magazine)
please note that some issues may be missing. Mail me your request
and I'll let you know exactly what you will be getting.

Scientific American (1980-1984)
Creative Computing (1980-1983 July)
Micro (1981-1983)
Omni (5/1981-1984)
Compute (1091-1983 June)
Discover (1981-1984)
Call A.P.P.L.E. (1978-1984)
Nibble (Vol 1-3)
Byte (Sept 1978-1984)
Beneath Apple DOS ($5)
Whats where in the apple($5)

Hardware: (most is four years old) (I'll take the best offer)
How about a 16k card($75)?
300/1200 baud applecat modem ($100)? (com-ware II software)
Two Lobo Floppy Disk Drives ($300 each)?
Apple II+($700)?

I don't want to go through all the shipping cost headaches, so please
let me know how you would like things shipped. For now mail me your requests
and questions. Please no orders less than twenty dollars.

Emil Rainero
UUCP: (..!{allegra, decvax, seismo}!rochester!emil)
ARPA: emil@rochester.arpa
USmail: Emil Rainero, Dept. of Comp. Sci., U. of Rochester, NY 14627.
Phone: (716) 275-5365

From -664963070625721338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1813b493870f7703,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-05 08:17:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site bunker.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!bunker!jrh
From: jrh@bunker.UUCP (Jeff Hagen)
Newsgroups: net.micro.apple
Subject: Apple II-+ I/O driver question
Message-ID: <744@bunker.UUCP>
Date: Tue, 5-Mar-85 11:17:04 EST
Article-I.D.: bunker.744
Posted: Tue Mar 5 11:17:04 1985
Date-Received: Sat, 16-Mar-85 01:48:49 EST
Organization: Bunker Ramo, Trumbull Ct
Lines: 19

RE: Apple II[+-] I/O driver question

I have a card that has ram in the 256 byte rom area for that slot.
It makes the writing of a custom I/O driver very convenient.
I have a printer driver that works fine with basic and most software,
but it fails with some software like the Merlin Assembler.
Somehow Merlin is deciding that the custom driver on my card
is not a printer and sending the wrong stuff. What is it
using to make this decision? Is there some standard for I/O
drivers that I don't know about?

And how do I make my voice do this?

Thanks,
Jeff Hagen
decvax!bunker!jrh

From -702745938971877090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,ce5962c03a2d086b,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 129c11,ce5962c03a2d086b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ce5962c03a2d086b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,ce5962c03a2d086b,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1985-03-05 11:30:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxl!whuxlm!akgua!
sdcsvax!sdcc3!sdcc6!ir320
From: ir320@sdcc6.UUCP (ir320)

Newsgroups: net.micro,net.micro.cpm,net.micro.apple,net.lang.pascal
Subject: Turbo 3.0
Message-ID: <1947@sdcc6.UUCP>
Date: Tue, 5-Mar-85 14:30:57 EST
Article-I.D.: sdcc6.1947
Posted: Tue Mar 5 14:30:57 1985
Date-Received: Fri, 8-Mar-85 04:49:52 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 13
Xref: watmath net.micro:9619 net.micro.cpm:3695 net.micro.apple:1732
net.lang.pascal:261

Latest news on Turbo 3.0. All of the goodies of Turbo 2.0 plus Turtle
graphics, BCD support, an EXIT statement (ala UCSD) and 2x compilation
speed.

John Antypas
UC San Diego

uucp: ...!{ucbvax,ihnp4,noscvax,akgua}!sdcsvax!sdcc6!ix255
arpa/internet: sdcc6!ix255@sdcsvax
               sdcsvax!sdcc6!ix255@{Nosc,Berkeley}
decnet: ucbvax!sdcsvax!sdcc6!ix255%DECWRL
bitnet: sdcsvax!sdcc6!ix255%WISCVM

From -6846471583606166165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-06 15:40:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!liang
From: liang@cvl.UUCP (Eli Liang)
Newsgroups: net.micro.apple
Subject: Re: Re: Undocumented 6502 Opcodes
Message-ID: <139@cvl.UUCP>
Date: Wed, 6-Mar-85 18:40:22 EST
Article-I.D.: cvl.139
Posted: Wed Mar 6 18:40:22 1985
Date-Received: Sat, 9-Mar-85 19:58:55 EST
References: <9@zurton.UUCP> <381@utai.UUCP>
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 23

> I tried to execute some of the unused 6502 opcodes and found one that
> seems to conform to the described HCF specs. That is, the processor
> seems to hang up and doesn't go anywhere until it gets a reset.
>   Of course, I didn't let it sit there long enough to find out
> if the processor would self-destruct. If anybody is willing to
> satisfy our curiosities, the op-code was $12. As noted, the presence

> of the HCF instruction may depend on the chip manufacturer. Unfortunately,
> I forgot to check who made mine.
>   Greg Dudek

This is the exact instruction which I mentioned in my previous article.
$12. I think that there must be some truth in the HCF instruction for the
6502.

-eli

--

~~~~~~
Eli Liang ---
        University of Maryland Computer Vision Lab, (301) 454-4526
        ARPA: liang@cvl, liang@lemuria, eli@mit-mc, eli@mit-prep
        CSNET: liang@cvl UUCP: {seismo,allegra,brl-bmd}!umcp-cs!cvl!liang

From -4898492547725659168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 124863,a7d41bec005970df,start
X-Google-Attributes: gid124863,public
X-Google-Thread: 1622d3,a7d41bec005970df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-06 18:54:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!gyuri
From: gyuri@cvl.UUCP (Gyorgy Fekete)
Newsgroups: net.micro.apple,net.music
Subject: MUSIC SYSTEM for sale
Message-ID: <140@cvl.UUCP>
Date: Wed, 6-Mar-85 21:54:40 EST
Article-I.D.: cvl.140
Posted: Wed Mar 6 21:54:40 1985
Date-Received: Sat, 9-Mar-85 20:16:47 EST
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 14
Xref: linus net.micro.apple:1386 net.music:5096

I wish to sell my Passport Design Keyboard, Mountain Music System with Software
including Notewriter, Music Tutor, Performance software (4 tracks) and
Turbotraks (16 tracks). All in original box, and with original documentation.
Everything is in perfect condition. Selling because I have no time to play,
and want to use my Apple's slots for something else.
I am asking $1200 for the lot or best offer.
It works on all revision Apples (I have a Rev. 1 board).

Gyorgy Fekete   gyuri@cvl.arpa
Center for Automation Research   ...rlgvax!cvl!gyuri.uucp
University of Maryland
~~~~~~

College Park , MD 20742

(301) 454-4526

From 1220911500874005894
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87304be0c4a26c4a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 125dc4,87304be0c4a26c4a,start
X-Google-Attributes: gid125dc4,public
X-Google-ArrivalTime: 1985-03-07 21:21:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Ultima]I[*** Spoiler ***
Message-ID: <729@unmvax.UUCP>
Date: Fri, 8-Mar-85 00:21:55 EST
Article-I.D.: unmvax.729
Posted: Fri Mar 8 00:21:55 1985
Date-Received: Sun, 10-Mar-85 06:24:02 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 53
Xref: watmath net.games:1698 net.micro.apple:1738

>From: allegra!watmath!jagardner@gatech
>To: stanly@unmvax
>Subject: Re: Book : THE BOOK OF ADVENTURE GAMES
>
>All right, if you're giving out free hints about Ultima III, I'll bite.

I won this one my own before I got the book.

>I know about going down the whirlpool, and can buy up my stats any time
>I want. I have the Mark of Kings and the Mark of Fire. My guess is, I
>should be able to get the Mark of Force and the Mark of the Snake if I
>go down enough dungeons, although this may be optimistic. I've gone to

Go to the eighth level of the dungeon on the large island east of the mainland
     for Mark of Snake. Force should also be down here. If not go
     to the west on of level 8 in the dungeon surrounded by lava
     in the dark mountain area at the south end of the island (the same
     dungeon with the Time Lord).

>where Dawn is supposed to be and waited a coon's age for something to happen.

from castle go west 7 and south 34 . Wait till moons are at
     (0) (0). A town will show up near you. Step onto it and enter.

if yo miss it then wait for (0) (0) again.

>It hasn't, so I suspect I have to do something else first. I have yet to
>see any cards, so I guess I'll have to check out more dungeons. The Lord

The cards are under the Shrines. <Search> and <PRAY> at each shrine.
I think the command is search. The cards are under each shrine.

>of Time has already told me the proper sequence for the cards if and when
>I find them... Anything crucial I'm missing, or is it just a matter of
>checking out every dungeon? (Oh yes, I will eventually invoke the snake,
>but I've tried to do it every which way, and I suspect I won't be able to
>do it until I have the mark of the snake).

Yes, when you get all the cards <YELL>EZOCANE.

Make sure you have Exotics before entering. Also, have one person with
a bow. You will see why.... (ha! ha! ha!)

Note to winning: Be ready to DIE! The place is very hard to win. Use
COPYA and backup your player disk so you can save your characters.

Send me mail . . . I L O V E mail

Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -6385388503210120720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-08 08:46:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unisoft.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!umcp-cs!gymble!lll-crg!dual!unisoft!pc
From: pc@unisoft.UUCP (Paul Campbell)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <418@unisoft.UUCP>
Date: Fri, 8-Mar-85 11:46:32 EST
Article-I.D.: unisoft.418
Posted: Fri Mar 8 11:46:32 1985
Date-Received: Mon, 11-Mar-85 06:53:52 EST
References: <9@zurton.UUCP>, <381@utai.UUCP>
Organization: UniSoft Corp., Berkeley
Lines: 5

<munch>

Actually the HCF opcode implements the smiley face operator (:-) :-)

Paul Campbell ucbvax!unisoft!paul

From 1550680144575836605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,83c27ecf01508e8d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-08 11:00:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.UUCP
Path: utzoo!utcs!hobie
From: hobie@utcs.UUCP (Hobie Orris)
Newsgroups: net.micro.apple
Subject: Wizardry editor
Message-ID: <470@utcs.UUCP>
Date: Fri, 8-Mar-85 14:00:25 EST
Article-I.D.: utcs.470
Posted: Fri Mar 8 14:00:25 1985
Date-Received: Fri, 8-Mar-85 14:47:41 EST
Organization: University of Toronto - General Purpose UNIX
Lines: 29

A while back, someone was asking about the Wizardry scenario editor. I have this editor and am willing to share it. Before anyone flames me for piracy let me say that, although I got it from a friend, there is nothing on the disk that indicates that it has been copyrighted (it doesn't even have a title) or that it is the product of any company or individual. I was told that it is a hacker product distributed for free.

The editor is great: it lets you edit maps, monsters, items, characters, treasure tables and encounter tables, and monster pictures. We have created a Wizardry Users Group (W.U.G.) to distribute scenarios developed by members (we currently have 3). The editor is complex and completely undocumented, so we spent many hours figuring it out and have written our own manual. Anyone wishing to join this group can do so by mailing me (FAST- I will soon be off the net) for the details. There is a NOMINAL charge for this to cover costs of disks and photocopies.

I have also written a program that will let you use wizardry pictures in your own Pascal programs. If you are interested in this, let me know.

Oh yeah, if you don't have two drives then you can't use the editor, but can run the new scenarios.
--

"I'll be back! ... With nuclear weapons!

Hobie Orris University of Toronto {decvax|harpo|ihnp4}!utcs!hobie

From 8888934452688533030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-08 12:25:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site x.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
cybvax0!frog!x!john
From: john@x.UUCP (John Woods)
Newsgroups: net.micro.apple
Subject: Re: Re: Undocumented 6502 Opcodes
Message-ID: <421@x.UUCP>
Date: Fri, 8-Mar-85 15:25:50 EST
Article-I.D.: x.421
Posted: Fri Mar 8 15:25:50 1985
Date-Received: Mon, 11-Mar-85 06:57:39 EST
References: <9@zurton.UUCP> <381@utai.UUCP> <139@cvl.UUCP>
Organization: Charles River Data Systems, Framingham MA
Lines: 14

> $12. I think that there must be some truth in the HCF instruction for the

As I have heard it, the "HCF" instruction which is often found in 6800s and
6502s is intended for QA at the factory: the intent is that you feed the chip
the magic instruction, and watch what happens: it is supposed to count on the
address lines, from 0 to 65535, forever. This [roughly] validates the address
drivers as well as much of the internal logic. Those who have been looking
for the HCF instruction on their favorite micros might watch the address
lines to see if this is true.
--
John Woods, Charles River Data Systems, Framingham MA, (617) 626-1101
...!decvax!frog!john, ...!mit-eddie!jfw, jfw%mit-ccc@MIT-XX.ARPA

Sorry, I don't feel deep right now.

From 2913856935707637961
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a26c7b668fa6b8eb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-08 15:32:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!umcp-cs!cvl!gyuri
From: gyuri@cvl.UUCP (Gyorgy Fekete)
Newsgroups: net.micro.apple
Subject: How to boot ProDos on Apple lookalikes?
Message-ID: <152@cvl.UUCP>

Date: Fri, 8-Mar-85 18:32:42 EST
Article-I.D.: cvl.152
Posted: Fri Mar 8 18:32:42 1985
Date-Received: Mon, 11-Mar-85 05:38:39 EST
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 10

There once was an article about booting ProDos succesfully on Franklins, and such. Would the person(s) who know how to do this please either post it again or mail to me directly? I have a real Apple, but a weird 16k card, where the F8 ROM is probably different from Apple's. I understand ProDos peeks somewhere > $F800 to see what you've got.

Thanks, in advance
Gyorgy Fekete gyuri@cvl.arpa
Center for Automation Research seismo!rlgvax!cvl!gyuri.uucp
Univ. MD College Park MD 20742

From -6957858011919627202
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-10 12:19:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unisoft.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!gymble!lll-crg!dual!unisoft!paul
From: paul@unisoft.UUCP (Paul Campbell)
Newsgroups: net.micro.apple
Subject: Re: Re: Undocumented 6502 Opcodes
Message-ID: <419@unisoft.UUCP>
Date: Sun, 10-Mar-85 15:19:51 EST
Article-I.D.: unisoft.419
Posted: Sun Mar 10 15:19:51 1985
Date-Received: Tue, 12-Mar-85 20:53:25 EST
References: <9@zurton.UUCP> <381@utai.UUCP>, <139@cvl.UUCP>
Organization: UniSoft Corp., Berkeley
Lines: 9

<munch>

Seriously this time .... the 6800 has a similar opcode which is in there for chip testing ... when you execute it the chip goes into a strange mode where its microcode loops cycling its address lines thru the whole address space reading all of memory. The only way of getting out of this is to reset the chip, maybe the HCF instruction is similar?

Paul Campbell ucbvax!unisoft!paul

From 5372227326385587554
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,b443afc11d323ed9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 07:03:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!rchau
From: rchau@watrose.UUCP (rchau)
Newsgroups: net.micro.apple
Subject: Re: IIe + AE problems
Message-ID: <7340@watrose.UUCP>
Date: Mon, 11-Mar-85 10:03:33 EST
Article-I.D.: watrose.7340
Posted: Mon Mar 11 10:03:33 1985
Date-Received: Mon, 11-Mar-85 23:47:35 EST
References: <2166@utcsstat.UUCP>
Organization: U of Waterloo, Ontario
Lines: 27

>
>
>
>   I am looking for some help on a problem a friend is ex-
>   periencing. She has a IIe with an extended 80-column card and is
>   encountering difficulties in running Ascii Express in half-duplex
>   mode. Once she establishes communication with the host computer
>   and interacts for about 30 seconds, her monitor "freezes" and the
>   communications software hangs.
>   Any possible solutions would be much appreciated. Many
>   thanks in advance.
> --
>   Anthony Ayiomamitis
>   Dept Prev Medicine & Biostatistics
>   Faculty of Medicine
>   University of Toronto
>   Toronto, Canada M5S 2T1
>
>   {allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
>   {ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

a reply to the author was sent but this is for those of you who have
similar problems:

The december issue of Byte magaizine pointed out that interaction between
the static rams of standard 80 column cards and dynamic rams on the motherboard
will cause problems. (see Byte , Dec 1984, page A120).

From 5036711134032629266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,7b4c25dba6c8fb69,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,7b4c25dba6c8fb69,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-03-11 07:35:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!rchau
From: rchau@watrose.UUCP (rchau)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: How standard is Apple CP/M? DR update to version 2.23.
Message-ID: <7341@watrose.UUCP>
Date: Mon, 11-Mar-85 10:35:50 EST
Article-I.D.: watrose.7341
Posted: Mon Mar 11 10:35:50 1985
Date-Received: Mon, 11-Mar-85 23:47:58 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 26
Xref: watmath net.micro.apple:1745 net.micro.cpm:3717

I've been familiarizing mysef with the CP/M world via a Softcard
and Apple II+ combination. As you know, there exist other Z-80
cards which will also work within CP/M. My question concerns
what people call standard CP/M. Given any program written for
the CP/M operating system, what if any changes are required to
adapt it to Apple CP/M ? Is there such thing as a standard set of changes
to be made? What books detail this information?

I can see that if the Apple CP/M is a superset of the standard CP/M
system; then no problems shoud arise unless the program written
specifically for Apple's version is run on a standard system.

DR's version 2.23

I d'ont know if the new version of CP/M from "mom" is a mixed blessing.
It provides 4k more room for the TPA, but has changes things in the
BIOS and DOS . A friend of mine's says that older files are
generally readable under the new system. But ultilities which
modify system dependent parameters will also have to be changed.
For exampble, He can no longer use his existing 'init' file
to set up his "Saturn 128K card" as ram disk under version 2.23.
Is anyone out there familiar with the advantages, diaadvantages, mods
required to existing stuff , etc resulting from the new release.

P.S. Does BDS C run on Apples?

From 735867668367738219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,c7fc143cc907ba82,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,c7fc143cc907ba82,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 07:42:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!rchau
From: rchau@watrose.UUCP (rchau)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: How standard is Apple CP/M?----->>>>>additional info
Message-ID: <7342@watrose.UUCP>
Date: Mon, 11-Mar-85 10:42:58 EST
Article-I.D.: watrose.7342
Posted: Mon Mar 11 10:42:58 1985
Date-Received: Mon, 11-Mar-85 23:48:33 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 6
Xref: watmath net.micro.apple:1746 net.micro.cpm:3718

Forgot to leave my name in my earlier query.......so you can
salute me if you reply by mail.

ray

P.S. I've seen a number of articles reffering to SIMTEL... what is it for?

From 5917768727616192394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c0e79e0ea6bccac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 13:22:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!talcott!panda!genrad!decvax!
tektronix!zehntel!dual!ptsfa!politik!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro.apple
Subject: Apple //e CHIPS : Apple //e Enhancement Kit
Message-ID: <162@ski.UUCP>
Date: Mon, 11-Mar-85 16:22:30 EST
Article-I.D.: ski.162
Posted: Mon Mar 11 16:22:30 1985
Date-Received: Sun, 17-Mar-85 23:48:51 EST
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 52

I just got my new Apple //e Enhancement Kit ($70). This is the kit
you've all been hearing about. There is a 65C02, two new ROM's
to replace the CD and EF Monitor chips, and a new character
generator. The 65C02 is from NCR. The character generator
replaces some of the inverse (or flashing?) chacters with
Mousetext icons, for use with Mouse driven software.

The kit says: "gives the Apple //e many of the advanced features
found in the Apple //c, including faster processing, MouseText

character display, and support of interrupts for applications such as networking." A very *THIN* (useless) User's Guide came with the kit. The last page says: if you're a programmer..., for technical details about the //e Enhancement, see About Your Enhanced Apple //e: Programmer's Guide (PN. 030-1143-A), available at no extra cost from your Apple dealer. My dealer doesn't have this yet.

The kit is a dealer-install only. The new (april) issue of A+ magazine has an article on the //e enhancement. The reason they say for the dealer installation is that the dealers have agreed with Apple to get rid of the chips, to ensure that they won't show up in bootleg Apples. My dealer apparently hasn't heard of this policy; he sold me a kit as is when I told him our institute does all our servicing. The article also says that the manual above has the 65C02 instruction set, and listings for the new monitor ROMs.

The new character generator does mess up some things. For example, with Copy][+, when VIEWing files, the inverse text characters come out wrong. However, Central Point knew about that, and in their manual, doing a control-@ sets the characters to flash mode, with normal ASCII characters where the mouse-icons were. I alleviated the problem by just going back to the old character generator, which worked fine with the other new chips.

The article, as well as the new //e Owner's manual, confirm that all new //e's, shipped after the beginning of March, come with the upgrade already in, all four chips.

I bought this kit because of the improved interrupts on the //c. The disassembly I did on the new ROMs is definitely different from the //c interrupt vectors, so I don't know how "improved" this really is. I'll have to wait to get the programmer's manual. This still doesn't seem to do it like Morgan Caffrey's articles have suggested (to eliminate the $45 crisscross with DOS), so we'll see.
--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciencs
2232 Webster St; San Francisco CA 94115
415/561-1705
{ucbvax,dual,sun}!twg!ski!dr
{ucbvax!mtxinu,dual!ptsfa,sun!texsun}!politik!ski!dr

From 4610362375093406301
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a26c7b668fa6b8eb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 14:27:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utai.UUCP
Path: utzoo!utcsri!utai!dudek

From: dudek@utai.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: How to boot ProDos on Apple lookalikes?
Message-ID: <385@utai.UUCP>
Date: Mon, 11-Mar-85 17:27:43 EST
Article-I.D.: utai.385
Posted: Mon Mar 11 17:27:43 1985
Date-Received: Mon, 11-Mar-85 18:43:00 EST
References: <152@cvl.UUCP>
Reply-To: dudek@utai.UUCP (Gregory Dudek)
Distribution: net
Organization: CSRI, University of Toronto
Lines: 10
Summary:

As far as I have heard, ProDOS looks into the high memory of the F8 ROM
and into the ROM on the DISK CONTROLLER. I was NOT under the impression
that it looked at (or could look at) the details of the 16k card, except
that it existed.
  In order to use ProDOS with an Apple II clone, you would have to either
patch the places where it looks in the cards, or buy gen-u-ine apple
cards. Personally, I think this was not such a great decision on
Apple's part since it will deter the overall acceptance of ProDOS, but
then we've been over this before, haven't we?
     Greg Dudek

From -9113046571429308249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,2f3b072343823843,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2f3b072343823843,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 19:59:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: *** CHEATING ON ULTIMA]I[*** (A spoiler)
Message-ID: <734@unmvax.UUCP>
Date: Mon, 11-Mar-85 22:59:08 EST
Article-I.D.: unmvax.734
Posted: Mon Mar 11 22:59:08 1985
Date-Received: Fri, 15-Mar-85 01:20:54 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 70
Xref: watmath net.games:1711 net.micro.apple:1753

>From allegra!watmath!csc@gatech Mon Mar 4 07:51:15 1985
>From: watmath!csc@allegra (Computer Sci Club)

>To: stanly@unmvax
>Subject: Re: Book : THE BOOK OF ADVENTURE GAMES
>
>would L O V E to get mail including following info:
>
>   ANY spoilers lying around for the Infocom games, as well
>as how to "modify" (cheat?) characters in Ultima]I[.
>
>Thanx in advance
>
>Gilles Dignard
>
Introduction:

     I am about to tell you people how to MODIFY characters for Ultima]I[. This is a very bad to know because from then on you will be un-able to watch a game of Ultima]I[without "helping" by cheating. I am not going to tell all but I will tell how to get at the data.

Part I: getting at the data

     1) If you have a card that lets you stop programs and change the bytes in the middle of a run then you have it easy. Just stop the game while playing the characters you want to change.

     2) If you have a sector editor(DOS 3.3) then do the following. Start Ultima]I[and form a party filled with the characters you want to edit. Then leave Ultima]I[and turn on your sector editor. Put in the player disk and read in Track 3, Sector 7.

     3) When using the card do the changes to the range of memory from $4000 to $40FF. It looks exactly like Track 3, Sector 7.

Part II: changing the data.

     Each character uses $40 bytes to store his most important characteristics. Character 1 uses 0-$3F, 2 uses $40-7F,etc.

     I AM NOT GOING TO TELL YOU WHAT EACH BYTE DOES!!! It is not that hard to figure out.

I will tell you a hint: Before editing your disk, write down all the stats of your first player. He will be in the first $40 bytes. LOOK FOR MATCHES!!! Exp,gold,level,hits,hit max are all two byte blocks. your cards and marks are one byte where each bit tells if you have the card or not. I put $FF here and get them all.

Part III: saving.

     If using card just restart game. A control-Y on a Wildcard if I remember correctly.

If using sector editor just write it out to disk and then
restart Ultima]I[.

Happy gaming.

Send me mail . . . I L O V E mail

Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh
Note:
I welcome other bits of info on ULTIMA]I[. I still I am trying to
work out how to modify your position. ITS FUN TO CHEAT!!(sometimes)

From -593533715248546672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,ae9a75bc6943ddfe,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,ae9a75bc6943ddfe,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-11 20:50:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Another Ultima Hint without changing the disk. *** spoiler ***
Message-ID: <735@unmvax.UUCP>
Date: Mon, 11-Mar-85 23:50:35 EST
Article-I.D.: unmvax.735
Posted: Mon Mar 11 23:50:35 1985
Date-Received: Fri, 15-Mar-85 01:21:28 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 64
Xref: watmath net.games:1712 net.micro.apple:1754

>From: Ken Whaley <unmvax:ucbvax!whaley@lbl-ux4.ARPA>
>Subject: Ultima]I[
>Status: R
>
>
>Howdy.
>
> Thanks to your recent hints in net.games, I FINALLY got the Mark of
>Snake. I even had the entire dungeon mapped, but left a few "?" untested
>(probably because I was so tired from mapping! There's a lesson in there
>somewhere). So I got into the Castle of Fire, and, eventually, encountered
>THE FLOOR. First time, I was wiped out. Second time, my wizard and my cleric

>BOTH used their best death spells (P and O respectively), and my fighter

Spells dont work of floors. Only dragons and other such things get hurt
 by spells.

>tried to "chop" his way through the floor. I think I got through one piece
>of floor, only to have the next one wipe me out....*sigh*. Anyway, on to the
>questions....
>
>   Is there a jester in the castle? I have a hint: "Seek the jester in
>the castle of Fire"
>

There is no use for the jester. I think you have the hint wrong. THere
 is a jester being tortured in fire.

>   I "won" the game by blowing away Exodus in the town next to Lord
>British's castle...the game even said that I had done it all, but I figure that
>only by getting Exodus in the Fire Castle will I have REALLY won.

Hmm. I did not know you could do that. Where in the town?

>
>   Help!   (I have a fighter with +4 bow, and a thief with a bow...of
>course, all have exotic arms/armours...can't see how the bow helps.)
>
>   Ken

Arm all with Exotics Except for one with a bow. THe exotics can kill the
 floors. You use the Bow to find the floors. The bolt from the bow wont
 hurt the floor but the bolt will stop on a floor. I normally get in the
 configuration of:

```
         M
           M M

         B
```

Where the M's are then men with exotics and the B is the man with the bow.
 All will attack foward until you cannot kill anymore without using the bow.

Then the bowmen steps around shooting till the bolt is stoped. You now
 know where the last one is. There are SIX sets of floors. (did
 I explain that well?)

              GOOD luck

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From 3223985622287445671
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6b4410089c078812,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-12 07:49:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Prodos Convert Problems.
Message-ID: <11908@watmath.UUCP>
Date: Tue, 12-Mar-85 10:49:28 EST
Article-I.D.: watmath.11908
Posted: Tue Mar 12 10:49:28 1985
Date-Received: Tue, 12-Mar-85 23:59:06 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 17

I have been using Prodos for about ten months now, and have thought the world of it. Up until now..... I have a program called Electronic Design, which runs under normal dos 3.3 when I try to convert any program on that particular disk, I get garbage under Prodos. I thought an easy solution would be to exec it into a text file, and then exec it back, but the lines are greater then 255 chars. (a result of using ? instead of print.) Does anybody know why this is happening? I don't want to have to put it into a wordprocessor, but unless someone knows why this would happen, I'll have to try it.

Thanks.

Andrew Rahme
hardware@watmath
U. of Waterloo
Ontario Canada

From 6821600904678430256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4d63c93eac9ec9c7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-12 14:55:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihlpg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!ihlpg!jcvjp
From: jcvjp@ihlpg.UUCP (pycroft)
Newsgroups: net.micro.apple
Subject: Ultraterm Card with Pascal on a 2+
Message-ID: <248@ihlpg.UUCP>
Date: Tue, 12-Mar-85 17:55:31 EST
Article-I.D.: ihlpg.248

Posted: Tue Mar 12 17:55:31 1985
Date-Received: Wed, 13-Mar-85 01:24:58 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 26

I've recently bought an Ultraterm 80-column card for my Apple 2+. It
works with Apple DOS and with CP/M, but Apple Pascal will not boot
with the Ultraterm installed (or even inserted, but with the monitor
cable not connected). This is the case for an Apple 1 disk which worked
fine before the Ultraterm arrived, and also for an Apple 1 disk on which
the file SYSTEM.MISCINFO has the 2 paremeter changes:
   SCREEN WIDTH = 80 (was 79) and HAS LOWER CASE = TRUE (was false)
This latter disk will also boot with the Ultraterm removed.

The full configuration is:
Apple 2+ with 2 disk drives
Amdek Color 1 monitor
NEC PC 8023A-C printer

Slot Usage:
0 = 16K RAM card (Microsoft)
1 = printer interface (Grappler +)
2 not used
3 = Ultraterm
4 + CP/M card ("Starcard 2.0"....the shift mod wire & clip installed
                came with this)
5 not used
6 = dual disk controller (Apple)
7 not used

I would be grateful for any suggestions as to how to solve this problem.

From 7538204627829209686
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a26c7b668fa6b8eb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-12 23:51:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watnot!watrose!rchau
From: rchau@watrose.UUCP (rchau)
Newsgroups: net.micro.apple
Subject: Re: How to boot ProDos on Apple lookalikes?
Message-ID: <7346@watrose.UUCP>
Date: Wed, 13-Mar-85 02:51:49 EST
Article-I.D.: watrose.7346
Posted: Wed Mar 13 02:51:49 1985
Date-Received: Wed, 13-Mar-85 04:13:40 EST
References: <152@cvl.UUCP> <385@utai.UUCP>
Distribution: net
Organization: U of Waterloo, Ontario

Lines: 17

> As far as I have heard, ProDOS looks into the high memory of the F8 ROM
> and into the ROM on the DISK CONTROLLER. I was NOT under the impression
> that it looked at (or could look at) the details of the 16k card, except
> that it existed.
>   In order to use ProDOS with an Apple II clone, you would have to either
> patch the places where it looks in the cards, or buy gen-u-ine apple
> cards. Personally, I think this was not such a great decision on
> Apple's part since it will deter the overall acceptance of ProDOS, but
> then we've been over this before, haven't we?
>   Greg Dudek
{---}

Inscribed within a few bytes of the F8 Rom are the familar words
"APPLE II" ..... in keeping up with their promotional slogan of " forever "
if these bytes (which are use at powerup time to display the above)
is changes to any other fruit (ie. ORANGE II, PINEAPPLE II, or AL BABY II)
Prodos will promptly exit.

From 5509029100574691216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d964b24e712193d4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d964b24e712193d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-12 23:54:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ski.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!intelca!qantel!dual!
ptsfa!politik!ski!dr
From: dr@ski.UUCP (David Robins)
Newsgroups: net.micro,net.micro.apple
Subject: Demise of Apple Tech Support
Message-ID: <163@ski.UUCP>
Date: Wed, 13-Mar-85 02:54:09 EST
Article-I.D.: ski.163
Posted: Wed Mar 13 02:54:09 1985
Date-Received: Mon, 25-Mar-85 02:38:25 EST
Distribution: net
Organization: Smith-Kettlewell Institute, S.F., CA.
Lines: 30
Xref: watmath net.micro:9810 net.micro.apple:1787

FLAME: Bad as Apple's Tech Support Line has been in the past, I had
found it at least marginally helpful for those usual questions
(you know, the one's where that salesperson and the repair person
say HUH?)
     Well, I tried calling it last week, and got only a recorded
message, directing me to the customer service line, where they will
just give you the name of an Apple dealer in your area. I was told
that the Tech Line was disconnected permanently.

All technical questions now go through the salesperson; if he/she can't answer it, *THEY* ask the repair person, and if he can't answer it, he can call Apple. The answer goes back up this chain again. If you've ever played the game Telephone, you know how garbled things get. Plus, you can't carry on an intelligent conversation.

I am totally incensed by Apple's progressively worse customer attitude. I guess Apple is showing they don't care. I know their answer will be that going through the dealer chain is more efficient. Unfortunately, the dealers usually know less than I do, and often can't even comprehend the question.

-David Robins, M.D.
Smith-Kettlewell Institute
San Francisco, CA

--
David Robins, M.D.; Smith-Kettlewell Institute of Visual Sciencs
2232 Webster St; San Francisco CA 94115
415/561-1705
{ucbvax,dual,sun}!twg!ski!dr
{ucbvax!mtxinu,dual!ptsfa,sun!texsun}!politik!ski!dr

From 1863431613246108332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,46b2e142152827cb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-13 08:27:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Appleworks vs Applewriter IIe
Message-ID: <11923@watmath.UUCP>
Date: Wed, 13-Mar-85 11:27:36 EST
Article-I.D.: watmath.11923
Posted: Wed Mar 13 11:27:36 1985
Date-Received: Thu, 14-Mar-85 03:20:57 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 14

I have been using applewriter and magic window for some time, and I have come to the conclusion that disk swapping is bothersome. I would like to buy a new word pro. but I am not sure of which one I should get.
I have a Profile, and thats where I want this word pro to go, but should I get Applewriter IIe, or spend the extra and get Appleworks?
If you have used either, please send me your comments about the pros and cons of the program.

Thanks,

Andrew Rahme
hardware@watmath
University of Waterloo.
Ontario Canada

From 4787284292091605731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-13 13:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles - hp 1.2 08/01/83; site hp-pcd.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!hp-pcd!john
From: john@hp-pcd.UUCP (john)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <20000004@hp-pcd.UUCP>
Date: Wed, 13-Mar-85 16:37:00 EST
Article-I.D.: hp-pcd.20000004
Posted: Wed Mar 13 16:37:00 1985
Date-Received: Fri, 15-Mar-85 05:33:22 EST
References: <376@aicchi.UUCP>
Organization: Hewlett-Packard - Corvallis, OR
Lines: 16
Nf-ID: #R:aicchi:-37600:hp-pcd:20000004:000:790
Nf-From: hp-pcd!john   Mar 11 13:37:00 1985

<<<<
  I once found a bunch of undocumented opcodes in the 6502 in my KIM-1 by looking for patterns in the opcodes. None of the original 6502 opcodes ended in 11 (as in XXXXXX11). It turns out that executing these instructions would perform both a XXXXXX01 and a XXXXXX10 instruction. For example a A7 would load X from Page Zero (A6) AND load A from Page Zero(A5) at the same time. There were also some store instructions that could OR two registers and store them in memory in one instruction although I hate to think what was going on inside the chip for that one.

  I am sure that if a HCF was a opcode 12 that it must have been a special case instruction. Its class and grouping is what you would have suppected a ASL (ind),Y to be if it existed.

John Eaton
!hplabs!hp-pcd!john

From 5732334820952780651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,99754eb913efd096,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,99754eb913efd096,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-13 19:49:18 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!sjuvax!iannucci
From: iannucci@sjuvax.UUCP (iannucci)
Newsgroups: net.micro,net.micro.apple
Subject: Apple modem for sale
Message-ID: <949@sjuvax.UUCP>
Date: Wed, 13-Mar-85 22:49:18 EST
Article-I.D.: sjuvax.949
Posted: Wed Mar 13 22:49:18 1985
Date-Received: Fri, 15-Mar-85 05:40:51 EST
Reply-To: iannucci@sjuvax.UUCP (iannucci)
Organization: St. Josephs University, Phila. PA.
Lines: 18
Xref: watmath net.micro:9708 net.micro.apple:1756

\   From: David J. Iannucci (iannucci@sjuvax.UUCP)

      This is being posted for a friend - reply directly to me.

      For sale:
                D.C. Hayes Micromodem
                300 baud
                direct connect
                internal
                very good condition

                $100.00 asking price

--
Dave Iannucci
St. Joseph's University, Philadelphia
...{allegra|astrovax|bpa|burdvax}!sjuvax!iannucci
"A witty saying proves nothing. "   --Voltaire

From 5816545744024423558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5c6f6db83600fb88,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-15 08:41:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!drutx!druxv!ddc
From: ddc@druxv.UUCP (CusterDD)
Newsgroups: net.micro.apple
Subject: Wanted: Apple Pascal communications
Message-ID: <1508@druxv.UUCP>
Date: Fri, 15-Mar-85 11:41:13 EST
Article-I.D.: druxv.1508
Posted: Fri Mar 15 11:41:13 1985
Date-Received: Sat, 16-Mar-85 04:53:56 EST
Organization: AT&T Information Systems Laboratories, Denver

Lines: 16

Wanted: how to access the communications port in UCSD Pascal.

I teach a Pascal course at the local community college and we need a
communcation program (written in Apple Pascal--UCSD) that will provide
file transfer from a UNIX system to the Apple. Apple to UNIX would be nice but
not essential.

I have the source of a version of Kermit in C for UNIX.
Would be willing to translate to UCSD Apple Pascal but need to know
how to access the communications port from UCSD Pascal.
Anyone know, or know where I can find out?

Many thanks,
David Custer
druxv!ddc
(303) 538-3517

From 3666954679008464626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5eee2c211829a71c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-16 11:32:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!intelca!qantel!dual!
islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.apple
Subject: Apple Business System & Leadership at Apple
Message-ID: <1029@islenet.UUCP>
Date: Sat, 16-Mar-85 14:32:25 EST
Article-I.D.: islenet.1029
Posted: Sat Mar 16 14:32:25 1985
Date-Received: Mon, 25-Mar-85 02:46:32 EST
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 80

RAMBLINGS
By J Fields

I have to stop and jot a note down about the new Macintosh Office System. Apple
Came to town last week (March 14-15) to show it off and it's worth a few
comments.

The system's key points are its simplicity, and ease of use. We had it hooked
up in less than five minutes. Within 15 minutes the laserwriter cranked out the
first near-typeset-quality document. We also observed the Mac XL being used as a
server to five macs, and the Mac Switch program running on a 512K Mac and
allowing more than one program to be 'live' in memory at a time.

I have to be honest though. While the graphics capabilities of the Laser Printer are nice, somehow Apple does not seem to have another winner of Macintosh caliber. Speed seems to be the major drawback. When using the Laserwriter as server to only two macintoshes we experienced significant difficulties and delays trying to print out documents. Trying to print out 2 one page files, and one three-page file I had to fight to keep from falling to sleep while waiting. Such problems are probably acceptable if you need to utilize the maximum capabilities of Laserwriter -- say you are currently paying $25 a page for typesetting. But if all you want is simple letter quality output for a single Macintosh then you might want to hook up via Microsoft's MacEnhancer to a Hewlet Packard Laserjet which prints 8 pages per minute. Such an arrangement offers a factor-of-sixteen speed improvement at half the price.

Another observation: In recent weeks both The Wall Street Journal and Business Week have reported the concerns of market analysts about various leadership problems in Apple. I have to say that I find some cause for concern for the value of my own shares after viewing the six-hour Mac Office presentation. I've certainly changed my investment plans (to buy more while it's 'low' at $21 a share) in the aftermath.

Apple brought to Hawaii, by my count, six (maybe there were more) people to make the presentation. However, only two people were present to make the presentation: a very competent trainer and a technical support person. At the close of the day several other people showed up. Among them, the trainer's boss dropped in to take our temperatures, our marketing representative came by breathlessly at the last minute to hand out a variety of packets with uncertain contents, and the marketing rep's boss showed up to make a few comments before we left (I think I have the people & positions right).

My second observation is more subjective. In my position as a computer sales person (about 3 years) and an assistant sales manager (about 3 months) I've met a number of manufacture's rep's, and I've attended a number of product presentations.

Taking these in reverse order.... The woman who presented The Macintosh Office System to us was very skilled, but by herself the presentation fell far short of the professional quality and impact I've seen in IBM product seminars, although she was more polished than some of the individual IBM speakers I've seen.

The marketing rep puts the icing on the cake. Apple has never seemed to mind the publicity it gets for its cock-a-mamie aproach to business. The idiosyncratic behavior of people inside the company has been reported plenty elsewhere and does not need to be repeated here. However, eccentricity does not excuse bad manners or the disregard for others.

I have the impression that my Apple rep could care less about relationships with important clients. Complaints about unreturned phone calls are met with a cold shoulder rather than an apology. Sales bonus's that are in the mail are in the mail for weeks. Personal conversations revolve around the representative's good fortune and not around client needs. In short, it's up to me to make him rich.

The impression of Apple that I'm left with is that there are several hardworking people in the company, but that their efforts are pretty much cancelled out by leadership that fails, fails to provide good guidance, fails to make good hiring decisions, fails to retain experienced and valuable contributors, and (I suspect) fails to survive largely because it fails to appreciate the needs of others who live outside the world of the executive's hot-tub.

If I have an ax to grind in saying this it's that I've been from the beginning an Apple owner, a fan, and an active promoter in my community. Somehow I sense that I've thrown pearls of time, effort, and sales revenue before swine.

About the Author: J is an Associate Editor of the Honolulu Apple User's Society newsletter, SASS and an Assistant Store Manager at Computerland of Hawaii in Aiea. jf

From -9065669379859355315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,63b1a44efe0afa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-16 12:10:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: News on alternative Apple processors
Message-ID: <404@aicchi.UUCP>
Date: Sat, 16-Mar-85 15:10:41 EST
Article-I.D.: aicchi.404
Posted: Sat Mar 16 15:10:41 1985
Date-Received: Sun, 17-Mar-85 02:42:12 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 37

    Awhile back, I posted a request for information on the use of a 65C02 in an Apple][+. Thankfully, several good responses were posted.

    In the latest (March 1985, V8 #3) issue of Call-APPLE, the Apple Doctor column (written by Bruce Field) contained a small article of "other" processors for the][+. Here are some of the "high points" of the article:

    - The 65C02 is pin compatible with the 6502, and has 27 additional instructions.

    - Chips manufactured by different manufacturers are not all the same. For instance, the Rockwell chip has four more instructions dealing with bit manipulation.

    - A given 65C02 may or may not work in an Apple][or][+.

- Two new chips have recently appeared, a 65802 and 65816. These are CMOS chips with 16 bit registers and contain 6502 emulators.

- The 65802 is pin compatible with the 6502, and can be used in any Apple. The author notes that hew was told that this chip will work in a //e, but does not know if it will work in the older][or][+ models. (I suspect that this will probably be the same old **** as with the 65C02 for us][owners. Wouldn't it be nice if Apple INC. would offer processor upgrade kits?)

- The 65816 is not 6502 pin compatible.

- The author notes that most of his information came from "Apple Assembly Line", published by S-C Software, PO Box 280300, Dallas, Tx 75228. (BTW, any comments on this newsletter?)

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 7083834478780572435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,31a8fb19482cc0e,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,31a8fb19482cc0e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-17 00:33:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!cs2532aa
From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Software Piracy (loooong)
Message-ID: <296@unm-cvax.UUCP>
Date: Sun, 17-Mar-85 03:33:25 EST
Article-I.D.: unm-cvax.296
Posted: Sun Mar 17 03:33:25 1985
Date-Received: Mon, 18-Mar-85 08:22:08 EST
Reply-To: cs2532aa@unm-cvax.UUCP (Foobar Baz Bletchquux)
Organization: Perry's Pizza, Ridgemont Mall
Lines: 228
Xref: watmath net.games:1727 net.micro.apple:1762

Dear net.games and net.micro.apple readers:

What follows is a copy of a letter that I sent yesterday to Roe Adams, late of Softalk, and now National Editor of Electronic Games magazine. It is in response to an article in the March issue of that magazine. I have posted it here because I think that it is of general interest to the net, and even

to people in Great Britain. (How about that?) I also posted it here because I'd like to see a discussion of this topic started here, and I figured that this would be a great way to start one. Please, if you have flames about this article, MAIL them to me. Feel free to post useful discussion to net.micro.apple. I do not believe that net.micro is interested. Please note that I may quote your personal mail to me in followup postings, but I will not use your name unless you state that I am allowed to do so in your letter.

And now that that's over, heeeere we go . . .

 . . .

As per the request at the end of the article in the March 1985 issue called "Menace of the Software Pirates," I am sending you this letter to let you know how I feel about piracy. I never expected the article to come out in favor of piracy, but I expected it to be accurate, straightforward, and relevant. Unfortunately, it was none of these things. I have a number of general and specific complaints about the article, and I will outline them here, presented with excerpts from the original article for clarity's sake.

> The advent of disk duplicators has created a new category of computer thief,
> the software mugger.

I have never, repeat, NEVER heard this term 'software mugger' used before. Is it the habit of your magazine to invent silly new buzzwords to make something old and commonplace sound new and interesting? The pirates I know who do nothing but copy things using Essential Data Duplicator or Copy][Plus are still called the same thing: pirates. 'Software mugger', indeed! I am proud to say that I have NEVER mugged a piece of software, or even a human being.

> Ironically, in their lust to obtain the newest software, the vast horde of
> muggers frequently scare software publishers out of the business.

"Frequently"? I have yet to hear of ONE COMPANY that went out of business and blamed software piracy. Perhaps I missed something . . . but even assuming that I did, "frequently" brings forth visions of several software publishers folding monthly, screaming "the pirates did it to us!" to the bitter end. Has this ever happened? I don't think so.

> The British software industry presents a frightening example. Think for
> a moment about all those fantastic British software programs you've enjoyed
> over the years. What, you say you can't think of any? That's because
> piracy has flourished unchecked in the U.K., and no company wants to spend
> time and money creating an innovative program knowing full well that the
> better it turns out, the greater the likelihood that the vultures will
> rip it off.

Granted, piracy in Great Britain is as big as or bigger than it is over here. But the conclusion that the lack of British software available over here is because of piracy is the biggest pile of rubbish I have seen in a great while. The main "problems" are these:

- The British use a totally different group of machines from we Americans. The popular machines over there are the TI 99/4A, the BBC micro, the Oric-1, the Dragon, the Sharp MZ-80A, the ZX-81 (known as the Timex/Sinclair 1000 over here), and the Spectrum (the short-lived Timex/Sinclair 2061). There is some crossover . . . a few C-64's and Ataris, and maybe you can find an Apple if you're lucky, but for the most part, micros that are popular in Britain are either defunct over here or were never even available in the first place. Therefore, there's not much of a market over here for already developed British software. But what about the 64 and the Atari, you ask? Well, that brings up the other problem . . .

- The British DON'T BUY DISK DRIVES. They consider them a waste of money, and from what I've seen there, they are quite satisfied with their cassette tape drives. (That may give them a speed advantage over the disk-drive equipped American user of the C-64 :-) Games that take advantage of the disk drive (which Americans use almost exclusively nowadays) are never even developed, so how could they be sold over here? And it's virtually impossible to sell tape-based games on this side of the Atlantic in quantities that would warrant importing from England.

The lack of British software available over here is a nonissue.

> When it doesn't kill off titles altogether, mass piracy at the very least
> tacks dollars onto the price of software as the producers pay off the high
> cost of increasingly sophisticated copy protection.

They are wasting their money. I know almost as many people who refuse to buy copy-protected software as I know software pirates. Jerry Pournelle, in his BYTE column "Chaos Manor", has gone over this many times, and in a manner much more convincing than anything I could say here.

> Penguin Software . . . has attempted to deal with mugging and piracy in a
> different manner. Penguin, in an altruistic bit of company policy, doesn't
> even bother protecting their applications software, including instead an
> extraordinarily fair replacement policy.

I would hardly consider this policy "altruistic". This should be standard policy for EVERY company. And why, pray tell, are they so generous with their applications software, while they insist on protecting their entertainment software to the hilt? I have seen just as many pirated copies of "The Complete Graphics System" as I have seen of "Transylvania". In my opinion, people who invest in entertainment software have the same right to back-up their disks as people who invest in applications.

> As a final incentive to stop illegal disk duplication, Penguin has done as
> much as anyone to keep the lid on their software prices.

$35 for a graphic adventure is "keeping a lid on their software prices? Give me a break!

> Of course, the muggers' use of high prices as a rationale for illegal

> copying is, at best, a red herring.

As a rationale, perhaps I can agree. The only rationale I have ever found necessary for piracy is the fact that you get free software. That's a pretty good rationale. But the threat of piracy still doesn't justify the outrageous pricing policies going on today on ALL kinds of software, be it entertainment or applications. If Borland International can sell "Turbo Pascal", which is generally recognized as one of the best Pascal compilers on the market, for $70, what does that make the company that charges almost as much for a simple adventure game? Many words come to mind, none of them suitable for a family magazine.

> Moreover, the mugger is more responsible than the company for the high price
> of software. Not only by stealing programs, but by sharing with friends, the
> retail marketplace is diminished. The fewer paying customers there are, the
> higher prices remain.

That most pirates would have bought the software they pirate in the first place is a fallacious assumption. Where would pirates with thousands upon thousands of (retail) dollars worth of software have gotten the money for it? People who would ordinarily buy software still buy it, those who wouldn't buy software anyway, pirate it. As I pointed out before, I haven't heard of any software companies going out of business and blaming the pirates. (And I am of the opinion that piracy has probably kept several floppy disk manufacturers in the black!)

> . . . one particular group stands out as being culpable [for high software
> prices]: the producers of disk-duplication software.
> In homes all over America, otherwise-honest adults and adolescents are
> stealing the products of other people's creative labor. They are doing this
> not for kicks or as a statement of dissatisfaction with the state of software
> prices, they are doing it because it's so incredibly easy!

Software pirates rarely use programs like Copy][Plus or Locksmith 5.0 anymore -- the programs simply aren't necessary. Thanks to current modem technology and that small handful of pirates who can remove the copy protection from virtually any program in a matter of hours, practically any ware you like is available over the phone lines from any one of literally hundreds of software-oriented computer bulletin boards across the country. Once the copy-protection is removed, all you need to copy the disk is the program COPYA, which comes with every Apple sold. As an example, Activision's "Ghostbusters" and Penguin's "Sword of Kadash" are considered "old wares" by most pirates, even though the games aren't even available yet (for the Apple) in most parts of the country. Most pirates have copies of games before ads for the games even appear, without ever having to boot a single "dupe disk".

And what about legitimate owners of protected software? Few companies sell programs with backup copies. Fewer still replace a damaged disk for $5 or less. Remember, current copyright law allows the legitimate owner to make a backup copy of the original disk.

> EG'S 4 POINTS . . . how the industry should address the question of piracy
> and mugging. The following are our suggestions:

>
> 1) The computer industry must use all its influence and power in an effort
>   to have all copy-duplication software banned. No one has a legitimate
>   use for a dupe disk, any more than they do for a machine capable of
>   duplicating currency. As long as there are dupe disks, it will be so
>   easy to steal software that great numbers of people will be unable to
>   resist.

So, making backups isn't a legitimate use for a dupe disk? Tell that to the manager whose "Accounts Recievable" program disk has just been wiped out by a stray cup of coffee. Hey, as long as there are cassette decks, it'll be so easy for folks to tape albums for their friends that great numbers of people will be unable to resist . . . better ban them, too . . . and as long as there are cars able to go faster than 55 miles per hours, lots of folks will be tempted to break the speed limit . . . This suggestion reeks of Big-Brotherism, and I am totally appalled that you would suggest the banning of ANY kind of software.

> 2) Newspapers, magazines, or any other medium carrying ads for dupe disks,
>   pirated software, or other piratical devices must be boycotted. This
>   also applies to bulletin boards and even user groups through which
>   pirated software is produced.

In the first place, you've described just about every computer-oriented magazine on the racks, secondly, virtually nobody is going to boycott a magazine just because it has ads for Back-It-Up III, and thirdly, just who do you think are MEMBERS of user groups that distribute pirated software? Innocent little old ladies from Pasadena?

> 3) The software industry must set standards in the matter of warranties.
>   Guidelines must be agreed upon so that defective software can be
>   returned in a manner equitable to both the manufacturer and consumer.

Agreed! The days of "The manufacturer of this product doesn't warranty it to do jack-poo, and accepts no liability in any way, shape, or form for any damages that result from any use of this product no matter what happens" have got to end. (This has nothing to do with piracy, though, so what's it doing here?)

> 4) Finally the computer industry must get it together . . . Piracy is
>   a question so crucial to the entire eco-structure of te computer
>   universe that it can not be settled by having each company seek out
>   a separate peace.

Just what the heck does this paragraph mean? Are you suggesting that software companies sign treaties with pirates to prevent the pirates from copying their software? Please clarify . . . I honestly don't have any idea what you're talking about.

At any rate, this concludes my list of complaints about the article and opinions on the subject in general. I hope that this letter will be of some help to you.

.rne.

Real World . . Ernie Longmire / 311 Don St. SE / Los Lunas, NM 87031-9405
UUCP . . . . . {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2532aa
---
"Actually, God's a very nice person . . . his first name is Bill and
 he lives somewhere in Canoga Park . . ."   - Johnny Vomit

From 5421953087668242166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8c5b7bed3bb3acb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-17 15:00:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!cs2532aa
From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: ProDOS on a non-Apple
Message-ID: <298@unm-cvax.UUCP>
Date: Sun, 17-Mar-85 18:00:36 EST
Article-I.D.: unm-cvax.298
Posted: Sun Mar 17 18:00:36 1985
Date-Received: Wed, 20-Mar-85 04:45:35 EST
Reply-To: cs2532aa@unm-cvax.UUCP (Foobar Baz Bletchquux)
Organization: Perry's Pizza, Ridgemont Mall
Lines: 52

What follows is an excerpt from issue 9 of Hardcore COMPUTIST, a magazine that due to its controversial subject matter (defeating software copy-protection) is not available everywhere. This issue in which this appears is also out of print. It describes a technique that should allow persons to use ProDOS on an Apple compatiable.

Using ProDOS on a Franklin Ace

The March, 1984 issue of Apple Assembly Lines contained a short article containing instructions on how to successfully boot ProDOS on a Franklin Ace computer. Thus method involved NOPing two bytes in the PdoDOS system file after it had been loaded into memory. However, this method would not work for the ProDOS file dated 01-Jan-84.

The ProDOS system file contains a checksum-like routine which returns a value of $0C if a genuine Apple is detected and a $00 otherwise. If a non-Apple is detected ProDOS will just hang up and not load in the BASIC.SYSTEM interpreter.
 . . .

In order for this routine to always return with a value of $0C, the branch to the code which loads the accumulator with $00 (LDA #$00) needs to be removed. This can be done by replacing the BNE $2660 (D0 03) instruction with two NOPs (EA EA).

The easiest way to do this is to use a sector editor and zap the change directly to the disk. Any sector editor can be used on a ProDOS disk because the formatting has not been changed from DOS 3.3. On my copy of the ProDOS USERS DISK the change I had to make was to bytes $5B and $5C of Track $01, Sector $09. I changed them from D0 03 to EA EA and rewrote the sector.

If you have a sector editor with search capability, such as ZAP [from the disk "Bag of Tricks", by Don Worth and Pieter Lechner of "Beneath Apple DOS" fame], you should search for a byte sequence of 69 0B D0 03, since the sequence of D0 03 is a fairly common one.

Once you have made this change, ProDOS should boot and operate on Franklins and other Apple compatiables that have their monitor ROM routines in the proper locations.

I hope this article helps. I have not had to try it, because I bought a REAL Apple. I would suggest that the serious user do the same.

.rne.

Real World . . Ernie Longmire / 311 Don St. SE / Los Lunas, NM 87031-9405
UUCP . . . . . {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2532aa
---
aintittruetheresjustnodoubttheressomethingsthatyoucantdowithoutandthatsgoodDEVO

From 4254516680905224287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f7673d37a254147,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-17 19:59:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP (Paul M. Hudy)
Newsgroups: net.micro.apple
Subject: multiplan apple/cpm
Message-ID: <865@ecsvax.UUCP>
Date: Sun, 17-Mar-85 22:59:00 EST
Article-I.D.: ecsvax.865
Posted: Sun Mar 17 22:59:00 1985
Date-Received: Wed, 20-Mar-85 03:24:46 EST
Organization: NC Educational Computing Service
Lines: 11

Anyone running MICROSOFT's Multiplan on APPLE II+ CPM with a PCPI Z-80 card (aka Starcard)? What 80 column card are you using?

Do you need a special version to run on a non-MICROSOFT Z-80 card?

I am running a FRANKLIN ACE 1000 with a PCPI Z-80 card (Z-80B) and WESPAR WIZARD 80 column card and am interested in purchasing a CPM spreadsheet.

Thanks in advance,
Paul M. Hudy <egapmh@ecsvax>

From 2547477322189678342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e949b8847cda6ba1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-18 11:09:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!whuxl!whuxlm!akgua!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP (Paul M. Hudy)
Newsgroups: net.micro.apple
Subject: SIDER 10MB for unMac-Apples
Message-ID: <869@ecsvax.UUCP>
Date: Mon, 18-Mar-85 14:09:27 EST
Article-I.D.: ecsvax.869
Posted: Mon Mar 18 14:09:27 1985
Date-Received: Wed, 20-Mar-85 04:38:28 EST
Organization: NC Educational Computing Service
Lines: 10

Has anyone out there used/bought/heard-about the 10mb hard disk being advertised by First Class Peripherals?? It is called the Sider and sells for $695. It is supposed to be compatible with all the standard Apple Operating System options- (ie. DOS, CPM, UCSD). It sounds nice, but was wondering if it met all its claims, as well as power supply requirements/problems, etc. It sounds like it might be a nice addition to my FRANKLIN system.

Thanks in advance,
Paul Hudy <egapmh@ecsvax>

From 4359023810769323393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,63b1a44efe0afa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-18 12:03:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wucs!wuibc!

etm
From: etm@wuibc.UUCP
Newsgroups: net.micro.apple
Subject: Re: News on alternative Apple processors
Message-ID: <117@wuibc.UUCP>
Date: Mon, 18-Mar-85 15:03:16 EST
Article-I.D.: wuibc.117
Posted: Mon Mar 18 15:03:16 1985
Date-Received: Wed, 20-Mar-85 06:25:14 EST
References: <404@aicchi.UUCP>
Distribution: net
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 35

In his article concerning alternative Apple processors, Joe Loda wrote:

> - The author notes that most of his information came from "Apple Assembly
> Line", published by S-C Software, PO Box 280300, Dallas, Tx 75228.
> (BTW, any comments on this newsletter?)

I've been subscribing to Apple Assembly Lines for over 3 years now;
it is a newsletter aimed at assembly language programmers, particularly
those using the S-C Assembler. I happen not to use that assembler,
but I still find enough good articles to justify the subscription.
It is published monthly by Bob Sander-Cederlof (hope I spelled that right,
Bob!).

The articles mainly deal with tricks for improving the performance/capabilities
of the S-C Assembler, in addition to more generic discussions of algorithms
and code for performing functions in assembly language. And some industry
gossip is thrown in for good measure.

The newsletter is definitely not for the neophyte, but is worth considering
by the serious assembly language programmer.

DISCLAIMER: The usual stuff; also, I am not connected with S-C Software
or Apple Assembly Lines other than as a satisfied subscriber.

Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
...!ihnp4!wucs!wuibc!etm
--
Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
...!ihnp4!wucs!wuibc!etm

From 7288334979601539382
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,c21bbb985cd47c93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-18 15:16:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2f.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!houxm!hou2f!rs173
From: rs173@hou2f.UUCP (R.SILVER)
Newsgroups: net.micro.apple
Subject: 12 CHARACTERS/ INCH ON AN EPSON MX80
Message-ID: <462@hou2f.UUCP>
Date: Mon, 18-Mar-85 18:16:41 EST
Article-I.D.: hou2f.462
Posted: Mon Mar 18 18:16:41 1985
Date-Received: Tue, 19-Mar-85 05:24:30 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 12

a
 I would like to print 12 characters/inch on my epson mx80 when doing
word-processing with applewriter, or circascript word processors. Is it
possible?

 I tried using 'Sideways' which prints a 'visicalc' format sideways on the
Epson, at 12 CHARACTERS/INCH and it looks so good that I want 12 (or more)
in the regular print mode too.

 Any suggestions sincerely appreciated.

                                Ron Silver   .....hou2e!rs173

From -225190085338508905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,5315d135fc6e1db9,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,5315d135fc6e1db9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-03-19 07:14:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wucs!wuibc!
etm
From: etm@wuibc.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: need info on CP/M cards for Apple II+
Message-ID: <118@wuibc.UUCP>
Date: Tue, 19-Mar-85 10:14:53 EST
Article-I.D.: wuibc.118
Posted: Tue Mar 19 10:14:53 1985
Date-Received: Thu, 21-Mar-85 01:34:44 EST
Distribution: net
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 28

Xref: watmath net.micro.apple:1768 net.micro.cpm:3779

[]

I'd looking to upgrade my Apple II+ with a CP/M card,
and would like recommendations on the best card to buy.
I've heard some cards use the Apple's memory, while others
have their own RAM (and thus can chug along at clock rates > 1MHz);
is the cost of the extra RAM worth the increased performance?
Also, will the card work with the Apple //e as well?

Finally, has anyone heard about a product for adding CP/M
to the Apple //c? I've been hearing rumors that such a product is/will be
available, but can find no specifics about it.

Please reply via e-mail to me at:
         ...!ihnp4!wucs!wuibc!etm

And thanks in advance!

Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
--
Ed Macke
Computer Systems Lab
Washington University
St. Louis, Mo.
...!ihnp4!wucs!wuibc!etm

From -501840380485959044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-28 11:27:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <492@sftig.UUCP>
Date: Mon, 28-Jan-85 14:27:25 EST
Article-I.D.: sftig.492
Posted: Mon Jan 28 14:27:25 1985
Date-Received: Wed, 30-Jan-85 04:20:51 EST
References: <287@boulder.UUCP>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 28

>
> II: (FLAME) I have been using my IIe to communicate with our local system at
> 1200 baud for a year now, and have had real frustrations with
> the slowness of the Apple Monitor. I need to pad linefeeds with
> three nulls to keep the monitor from dropping one to three characters
> at the beginning of lines. I have been using the Apple SuperSerial
> card, and could find no way around the problem.
>   ...
> V. Heuring
> Electrical and Computer Engineering Dep't.
> University of Colorado - Boulder.

One possible fix to your problem is to decrease the size of the scrolling
area. The fundamental problem is that it takes a long time for the poor little
old 6502 to scroll all those characters when it gets a line feed, and it
does not poll the Super Serial Card for incoming characters while it is
doing the scroll. I have a *real* terminal emulator that does scrolling and
polling at the same time. I am very happy with it. I have it on beta
test right now, but the author may make it
available to the world sometime soon. Because of this fact, I have not
tried out the proposed fix, but it was given to me by someone who claimed to
have gotten it from Apple Tech support. For what that's worth. My source
claimed that just decreasing the size of the scrolling area by 'a few' lines
did the trick at 1200 baud. A 20 line screen that handles 1200 baud is
better than a 24 line screen that doesn't, I always say.

Rick Thomas
ihnp4!btlunix!rbt

From 5991969999356421422
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-28 11:48:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <493@sftig.UUCP>
Date: Mon, 28-Jan-85 14:48:29 EST
Article-I.D.: sftig.493
Posted: Mon Jan 28 14:48:29 1985
Date-Received: Wed, 30-Jan-85 04:21:06 EST
References: <287@boulder.UUCP> <828@pucc-i>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 23

> It's more like a documented non-feature. The Apple monitor does not
> actively support interrupts, which are the only solution to the problem.

> On the other hand, the hooks are available so that user programs can do
> their own interrupt processing. One of the reasons most terminal programs
> do not do this is that most communications cards do not adhere to the
> Apple standards for interrupt handling, which were established rather
> late in the game. See the Apple //e Reference Manual.
> --
> Dave Seaman   ..!pur-ee!pucc-i:ags

In fact, the Apple Super Serial Card even does not support the protocol for interrupt priority as written down in the //e reference manual. However, if you have only one interrupting card, and that is your Super Serial Card, (The most likely competition would be a clock card, and if you have a clock card you dont need to have the SSC interrupt, because you can ask the clock card to interrupt once every 4 ms or so, and poll the SSC in the clock service routine.) then the protocol is followed by default.

For what it's worth. The above inforamtion can all be gleaned by a careful reading of the SSC reference manual and the //e reference manual. It's all there, you just have to know where to look.

Rick Thomas   ihnp4!btlunix!rbt

From 4211626166691610528
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-29 10:22:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <7817@brl-tgr.ARPA>
Date: Tue, 29-Jan-85 13:22:09 EST
Article-I.D.: brl-tgr.7817
Posted: Tue Jan 29 13:22:09 1985
Date-Received: Sat, 2-Feb-85 13:24:03 EST
References: <287@boulder.UUCP> <828@pucc-i>
Distribution: net
Organization: Ballistic Research Lab
Lines: 6

> ... most communications cards do not adhere to the
> Apple standards for interrupt handling, which were established rather
> late in the game.

All that is needed is usually a jumper between two of the fingers
on the card's edge connector.

From 6778324480635684320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-29 12:49:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dmcnh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxlm!harpo!decvax!
ittvax!sii!dmcnh!gts
From: gts@dmcnh.UUCP
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: WIZARDRY questions.
Message-ID: <183@dmcnh.UUCP>
Date: Tue, 29-Jan-85 15:49:42 EST
Article-I.D.: dmcnh.183
Posted: Tue Jan 29 15:49:42 1985
Date-Received: Sat, 2-Feb-85 09:53:07 EST
Distribution: net
Organization: Datamedia Corp, Nashua, NH
Lines: 37
Xref: watmath net.games:1544 net.games.frp:1160 net.micro.apple:1615

***** Slight Spoilers *****

Just bought a game by SIR-TECH called WIZARDRY. (First Scenario: The Proving Grounds of the Mad Overlord.)
First, by way of review, I must admit that the first time I plugged in the disk, I played for 11 hours straight. It's that good. My only gripe is that no matter what message is displayed in the what's-going-on-window has an exclamation point after it!
As for tips, I can only offer this time-consuming one: When in desparate need of cash, go to the training grounds, create some suckers, bring them back to the Tavern, get them drunk, steal their money, take them back to the grounds and slaughter them mercilessly. An infinite amount of gold is available in this way.
But, I do have some questions for anyone reasonably familiar with the game:

- What level do my characters have to be to bring them into the second scenario?
- What good are those silver keys you find near the boar statue in the secret 1x1 room on the first level?
- Where does the Private Elevator (Use Button D and go to end of hall) take you? I've never had a gutsy enough party to use it.
- Is there any way to regenerate HPs without using up spells or leaving the maze?
- My game generates 80-col mode letters (with spaces between) when I'm not in the maze even using ESC CNTL-Q (to disable the 80-column card on my //e) under DOS before booting it. Can I do anything about that, short of physically yanking the card?

- I found the Control Center but can't control anything, what do I need
  to do?

Thanks in advance.

+-------------------------------------+ +-------------------------------------+
USENET: decvax!ittvax!sii!dmcnh!gts		DISCLAIMER: The content of this
USMail: 14-F Hampshire Drive		message is the sole responsibility
Nashua, NH 03063		dmcnh!gts and does not necessarily
NEBell: (603) 880-2069		reflect the policies of Datamedia.
+-------------------------------------+ +-------------------------------------+

From 4322417814826565089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,abb09caf441d8ed8,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,abb09caf441d8ed8,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,abb09caf441d8ed8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 07:44:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!mcnc!unc!black
From: black@unc.UUCP (Samuel Black)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: WIZARDRY questions. (*** SPOILER ***)
Message-ID: <502@unc.UUCP>
Date: Thu, 31-Jan-85 10:44:45 EST
Article-I.D.: unc.502
Posted: Thu Jan 31 10:44:45 1985
Date-Received: Sat, 2-Feb-85 12:08:24 EST
References: <dmcnh.183>
Reply-To: black@unc.UUCP (Samuel Black)
Distribution: net
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 52
Xref: watmath net.games:1550 net.games.frp:1161 net.micro.apple:1616
Summary:

In article <dmcnh.183>   gts@dmcnh.UUCP writes:
>   ***** Spoilers *****
>
>   Just bought a game by SIR-TECH called WIZARDRY. (First Scenario: The
>   Proving Grounds of the Mad Overlord.)
>   ...
>
>   - What level do my characters have to be to bring them into the second
>   scenario?

 There's no definite answer, but it would be good to have your spell
 casters at at least 13th level so they can cast seventh level spells.

>   - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

 I don't remember; they get you into some place on second level,
 I think.

>   - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

 That allows you to go to levels 5-9 easily (you can't take an elevator
 to level 10).

>   - Is there any way to regenerate HPs without using up spells or leaving
>   the maze?

 Not until you get some of the "special" magic items.

>   - My game generates 80-col mode letters (with spaces between) when I'm
>   not in the maze even using ESC CNTL-Q (to disable the 80-column card
>   on my //e) under DOS before booting it. Can I do anything about that,
>   short of physically yanking the card?

 You got me.

>   - I found the Control Center but can't control anything, what do I need
>   to do?

 You're not supposed to do anything except kill, Kill, KILL!

 The second scenario is definitely better than the first. Battle has
been slightly modified (you can't spell on a surprise round), and
some spells work (like katino, manifo, montino, and latumapic) that
don't work well (or at all) in the first scenario. I've played a
little in the third scenario, and it looks OK, too.

 Hope you're satisfied.

     - sam black
         [alias POOPH the samurai (level 27, 233 HP)]

From 8945873145151335615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 08:42:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP

Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!vax135!cornell!uw-beaver!tektronix!decvax!genrad!panda!talcott!harvard!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (Dave Hsu)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: **SPOILER** Re: WIZARDRY questions.
Message-ID: <1680@cvl.UUCP>
Date: Thu, 31-Jan-85 11:42:34 EST
Article-I.D.: cvl.1680
Posted: Thu Jan 31 11:42:34 1985
Date-Received: Thu, 7-Feb-85 02:09:05 EST
References: <183@dmcnh.UUCP>
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 56
Xref: watmath net.games:1565 net.games.frp:1169 net.micro.apple:1626

> Just bought a game by SIR-TECH called WIZARDRY. (First Scenario: The Proving
> Grounds of the Mad Overlord.)
> But, I do have some questions for anyone reasonably familiar with the game:
>
> - What level do my characters have to be to bring them into the second
>   scenario?

Sir-Tech (or somebody) recommended 13th level or higher just to survive.

> - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

Don't remember precisely, there are many passages which can't be entered without certain items.

> - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

Why, to the 4th floor. A Blue Ribbon is needed to operate the other elevator, which has access to levels 4-9 (getting to 10 takes minimal effort, but lots of luck.

> - Is there any way to regenerate HPs without using up spells or leaving
>   the maze?

Nope.

> - My game generates 80-col mode letters (with spaces between) when I'm
>   not in the maze even using ESC CNTL-Q (to disable the 80-column card
>   on my //e) under DOS before booting it. Can I do anything about that,
>   short of physically yanking the card?

Ditto. This is a bug in the runtime pascal...it triggers 80 columns and on a //e, this simply alternates page 1 with alternate memory.

> - I found the Control Center but can't control anything, what do I need
>   to do?

Don't remember precisely (finding the elevators makes life simple) but it didn't seem too useful a room at the time.

For really desperate and bored players, a now famous bug is to create a bishop (generate oh, say 27 or so extra points to distribute, and load

up intelligence, wisdom, and piety), go into the dungeon, and try to
identify item 9. (yes i know, there are only 8 items) When you succeed
(you will eventually) you get 1,000,000,000 (give or take a few zeros)
experience, enough (typically) for well over 100 levels. This cheat
recommended only for people who want to mess with, oh, say the Tiltowait
spell (small nuclear explosion, only affects monsters).

Good luck, and watch those teleporters.

--

=Dave Hsu=   "Aaack...no flames!" (301) 454-4526
ARPA: hsu@cvl CSNET: hsu@cvl UUCP: {seismo,allegra,brl-bmd}!umcp-cs!cvl!hsu
Snail Mail: Center for Automation Research Computer Vision Lab
            University of Maryland
            College Park, MD 20742
(Disclaimer: Somebody may or may not refuse responsibility for anything herein.
 Most everything is a trademark or service mark of somebody, maybe somebody else)

From 610081696977677611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 10:58:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site talcott.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!vax135!cornell!uw-
beaver!tektronix!decvax!genrad!panda!talcott!jak
From: jak@talcott.UUCP (Joe Konstan)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: WIZARDRY questions. (SPOILER)
Message-ID: <264@talcott.UUCP>
Date: Thu, 31-Jan-85 13:58:22 EST
Article-I.D.: talcott.264
Posted: Thu Jan 31 13:58:22 1985
Date-Received: Thu, 7-Feb-85 02:15:40 EST
References: <183@dmcnh.UUCP>
Distribution: net
Organization: Harvard University
Lines: 32
Xref: watmath net.games:1566 net.games.frp:1170 net.micro.apple:1627

> First, by way of review, I must admit that the first time I plugged in the
> disk, I played for 11 hours straight.

I wholeheartedly agree, when I first got Wizardry, I played at least
20 hours a week.

> - What level do my characters have to be to bring them into the second
>   scenario?

Level 14 is a useful minimum, but I find it really depends on the
characters' abilities and their types.

> - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

Keys, statues, ribbons, and similar things are actually the "passports"
into various sections of the dungeon. If you don't have them, then you
cannot enter either because of a lack of strength, poisonous gas, etc.

> - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

Levels 4 through 9.

> - Is there any way to regenerate HPs without using up spells or leaving
>   the maze?

No.

-Mithrandir
jak@talcott.{UUCP,ARPA}

From 8497189575551509517
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 14:56:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!vax135!cornell!uw-
beaver!tektronix!decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: WIZARDRY questions. SPOILERS
Message-ID: <7909@brl-tgr.ARPA>
Date: Thu, 31-Jan-85 17:56:07 EST
Article-I.D.: brl-tgr.7909
Posted: Thu Jan 31 17:56:07 1985
Date-Received: Thu, 7-Feb-85 03:12:25 EST
References: <183@dmcnh.UUCP>
Distribution: net
Organization: Ballistic Research Lab

Lines: 44
Xref: watmath net.games:1568 net.games.frp:1171 net.micro.apple:1628

> As for tips, I can only offer this time-consuming one: When in desparate
> need of cash, go to the training grounds, create some suckers, bring
> them back to the Tavern, get them drunk, steal their money, take them
> back to the grounds and slaughter them mercilessly. An infinite amount
> of gold is available in this way.

As you get to handle deeper levels, money will become no problem.
You can also cheat a bit through use of backup & transfer to get
extra copies of good items and more money.

> - What level do my characters have to be to bring them into the second
>   scenario?

The second scenario is packaged separately and says what level you need.
I think it was 13th.

> - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

Gold/Silver/Bronze keys and Blue ribbon each get you into places you
could not otherwise go.

> - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

The elevatorS take you to different levels. The one you mention gets to
level 4 when you press D.

> - Is there any way to regenerate HPs without using up spells or leaving
>   the maze?

I don't think so.

> - My game generates 80-col mode letters (with spaces between) when I'm
>   not in the maze even using ESC CNTL-Q (to disable the 80-column card
>   on my //e) under DOS before booting it. Can I do anything about that,
>   short of physically yanking the card?

Ditto.

> - I found the Control Center but can't control anything, what do I need
>   to do?

Tell me when you find out. I don't think it controls anything.

From 131967726489840281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public

X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 16:22:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!vax135!cornell!uw-beaver!tektronix!decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: **SPOILER** Re: WIZARDRY questions.
Message-ID: <7914@brl-tgr.ARPA>
Date: Thu, 31-Jan-85 19:22:08 EST
Article-I.D.: brl-tgr.7914
Posted: Thu Jan 31 19:22:08 1985
Date-Received: Thu, 7-Feb-85 03:18:39 EST
References: <183@dmcnh.UUCP> <1680@cvl.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 7
Xref: watmath net.games:1570 net.games.frp:1173 net.micro.apple:1629

> ... A Blue Ribbon is needed to operate the other
> elevator, which has access to levels 4-9 (getting to 10 takes minimal effort,
> but lots of luck.

Hey, how do you get to level 10?
I've been trying to acquire a teleport spell
but if there's an easier way I'd like to hear about it!

From 1958121396162382266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8161e3a85e27d0fc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-31 21:10:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tekig1.UUCP
Path: utzoo!dciem!nrcaero!pesnta!hplabs!tektronix!tekig1!jerryn
From: jerryn@tekig1.UUCP (Jerry Nelson)
Newsgroups: net.micro.apple
Subject: HELP with visicalc on III
Message-ID: <1834@tekig1.UUCP>
Date: Fri, 1-Feb-85 00:10:22 EST
Article-I.D.: tekig1.1834
Posted: Fri Feb 1 00:10:22 1985
Date-Received: Sun, 3-Feb-85 05:41:42 EST
Reply-To: jerryn@tekig1.UUCP (Jerry Nelson)
Organization: Tektronix, Beaverton OR
Lines: 6

Expires:March 1, 1985

Keywords:apple visicalc spreadsheet

I would like to kludge up a sort command for
advanced visicalc(apple III version). It
would also be nice to have a way to override
cell divisions when writing headings etc.
Please mail any suggestions or, better yet,
solutions you may have. Thanks.

From 1343676964437903950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-01 00:34:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc13.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!hoxna!houxm!vax135!cornell!
uw-beaver!tektronix!hplabs!sdcrdcf!sdcsvax!sdcc3!sdcc13!ee163acp
From: ee163acp@sdcc13.UUCP (DARIN JOHNSON)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: WIZARDRY questions.
Message-ID: <144@sdcc13.UUCP>
Date: Fri, 1-Feb-85 03:34:59 EST
Article-I.D.: sdcc13.144
Posted: Fri Feb 1 03:34:59 1985
Date-Received: Tue, 5-Feb-85 04:09:54 EST
References: <183@dmcnh.UUCP>
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 80
Xref: watmath net.games:1559 net.games.frp:1166 net.micro.apple:1623

From postnews Thu Jan 31 16:21:38 1985
(* if you have to munch a line, chew on this one *)

> - What level do my characters have to be to bring them into the second
>   scenario?

  I have no idea, I have never played the second one, but I am sure that
  after finishing, the characters will be high enough.

> - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

  It has been awhile, but I remeber using them on a door somewhere on
  2nd or 3rd level.

> - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

  It takes you to the lower levels. It is the main way to get there.
  There are ways to go down using stairs (I haven't found them all) but
  the elevators are quicker. If you get to the fourth level and (ahem,
  slight spoiler) get your pass, then it is assumed, you can handle the
  lower levels. This way you can skip levels 2-8 if you are a 15th and
  higher level character and get right to the nitty gritty. Going down
  beyond your level of competence and defeating higher level monsters
  will give you lots of experience (relatively speaking) but is
  dangerous.

> - Is there any way to regenerate HPs without using up spells or leaving
>   the maze?

  No, not to my knowledge.

> - I found the Control Center but can't control anything, what do I need
>   to do?

  I don't think anything can be controlled since the front panel operators
  obviously have to be wiped out before you can enter.

From postnews Thu Jan 31 16:33:31 1985

(* if you have to munch a line, chew on this one *)

> - What level do my characters have to be to bring them into the second
>   scenario?

  I have no idea, I have never played the second one, but I am sure that
  after finishing, the characters will be high enough.

> - What good are those silver keys you find near the boar statue in the
>   secret 1x1 room on the first level?

  It has been awhile, but I remeber using them on a door somewhere on
  2nd or 3rd level.

> - Where does the Private Elevator (Use Button D and go to end of hall)
>   take you? I've never had a gutsy enough party to use it.

  It takes you to the lower levels. It is the main way to get there.
  There are ways to go down using stairs (I haven't found them all) but
  the elevators are quicker. If you get to the fourth level and (ahem,
  slight spoiler) get your pass, then it is assumed, you can handle the
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> - I found the Control Center but can't control anything, what do I need
>   to do?

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  obviously have to be wiped out before you can enter.

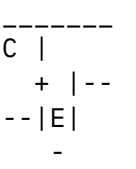
From 4706866898365662973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-01 06:36:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (Dave Hsu)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: Re: **SPOILER** Re: WIZARDRY questions.
Message-ID: <7@cvl.UUCP>
Date: Fri, 1-Feb-85 09:36:49 EST
Article-I.D.: cvl.7
Posted: Fri Feb 1 09:36:49 1985
Date-Received: Tue, 5-Feb-85 04:19:38 EST
References: <183@dmcnh.UUCP> <1680@cvl.UUCP> <7914@brl-tgr.ARPA>
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 35
Xref: watmath net.games:1558 net.games.frp:1165 net.micro.apple:1622

>> ... A Blue Ribbon is needed to operate the other
>> elevator, which has access to levels 4-9 (getting to 10 takes minimal...
>
> Hey, how do you get to level 10?
> I've been trying to acquire a teleport spell
> but if there's an easier way I'd like to hear about it!

OK...I'll tell you...first, don't muck around with a teleport, I seem
to recall having trouble on level 10 with it (seems to usually end up
in rock, although the map doesn't appear that way)

and now the answer to level 10...how you get there...

from the elevator on level nine, there is a room to the left. Go in.
this room is 2x2, and the corner of the room diametrically opposed to the
first entrance is a chute to level 10. When you arrive, there is a cute
little message, and a teleporte behind you back to the castle. Of course,
there is a hallway in front of you, and a most annoying set of teleporters.

Map:


more ore less. add a few doors and that's it.
G'luck
--

=Dave Hsu=   "Aaack...no flames!" (301) 454-4526
ARPA: hsu@cvl CSNET: hsu@cvl UUCP: {seismo,allegra,brl-bmd}!umcp-cs!cvl!hsu
Snail Mail: Center for Automation Research Computer Vision Lab
            University of Maryland
            College Park, MD 20742
(Disclaimer: Somebody may or may not refuse responsibility for anything herein.
 Most everything is a trademark or service mark of somebody, maybe somebody else)

From 901467869877573482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30c54b48b8b5ce52,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-01 06:56:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!vax135!cornell!uw-
beaver!tektronix!hplabs!hao!seismo!rochester!emil
From: emil@rochester.UUCP
Newsgroups: net.micro.apple
Subject: Re: WIZARDRY questions. (SPOILER!!)
Message-ID: <6064@rochester.UUCP>
Date: Fri, 1-Feb-85 09:56:28 EST
Article-I.D.: rocheste.6064
Posted: Fri Feb 1 09:56:28 1985
Date-Received: Wed, 6-Feb-85 03:32:21 EST
Sender: emil@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 78

From: Emil Rainero <emil>

In article <183@dmcnh.UUCP> you write:
>As for tips, I can only offer this time-consuming one: When in desparate
>need of cash, go to the training grounds, create some suckers, bring
>them back to the Tavern, get them drunk, steal their money, take them
>back to the grounds and slaughter them mercilessly. An infinite amount
>of gold is available in this way.

A much better way is to give all the money and the most valuable objects to one or a few people. Back them up a new disk. Put them on another scenario disk. Change their names. Transfer them to the original disk. Now you can repeat this process and create unlimited amounts of money, armor, etc. The only thing you can't do is transfer characters with nontransferrable items. To save time, you can keep backing/renaming/transferring until you fill a disk with characters.

>- What level do my characters have to be to bring them into the second
> scenario?

Its in the ducumentation. I seem to remember 11 or 13 is recommended.

>- What good are those silver keys you find near the boar statue in the
> secret 1x1 room on the first level?

They get you into doors on the second level that you normally can't get through.

>- Where does the Private Elevator (Use Button D and go to end of hall)
> take you? I've never had a gutsy enough party to use it.

Levels 5-9. Then on level nine, there are two trapdoors to take you to level 10, but beware, AIR GIANTS kill with one hit.

>- Is there any way to regenerate HPs without using up spells or leaving
> the maze?

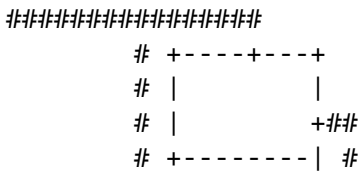
I like using up all my healing spells remaining just before i leave the maze. If I don't completely heal everyone, go to the in but only sleep in the barn one night (A) . Then reenter the maze, heal some more and exit.

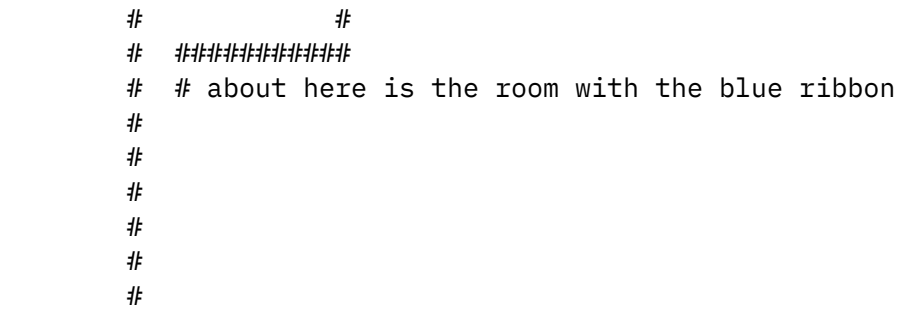
>- My game generates 80-col mode letters (with spaces between) when I'm
> not in the maze even using ESC CNTL-Q (to disable the 80-column card
> on my //e) under DOS before booting it. Can I do anything about that,
> short of physically yanking the card?

don't know.

>- I found the Control Center but can't control anything, what do I need
> to do?

The control center is on level 4, right? I haven't played this lately, but if the control center is up and to the right, do through to the rooms with the slamming doors and get the blue ribbon. This enables you to get onto the elevator.





about here is the evelator to levels 5-9

Emil Rainero
UUCP: (..!{allegra, decvax, seismo}!rochester!emil)
ARPA: emil@rochester.arpa
USmail: Emil Rainero, Dept. of Comp. Sci., U. of Rochester, NY 14627.
Phone: Office: (716) 275-5365 Home: (716) 424-5016

From -2900168752270288262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93afdfa825475cf1,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,93afdfa825475cf1,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-02-01 09:13:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!sunybcs!rocksvax!rochester!ritcv!aaa0407
From: aaa0407@ritcv.UUCP (Andy A. Asfour)
Newsgroups: net.micro.mac,net.micro.apple
Subject: ROCHESTER MACINTOSH USER'S GROUP MEETING
Message-ID: <1504@ritcv.UUCP>
Date: Fri, 1-Feb-85 12:13:45 EST
Article-I.D.: ritcv.1504
Posted: Fri Feb 1 12:13:45 1985
Date-Received: Fri, 1-Feb-85 23:46:44 EST
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 25
Xref: watmath net.micro.mac:514 net.micro.apple:1614

****
* *
* MAC USER'S GROUP MEETING IN ROCHESTER NY. *
* *
****

There will be a Mac User's Group Metting on February 5, 1985
at 7 pm. on the Rochester Inst. of Technology Campus, in Building
10 (Comp. Sci.), conference room 1124.

For further information regarding agenda or other concerns,
please call (716) 227 - 7884 (Business) Roland Barner jr.

Anyone interested is welcome !!!!!!!!!!!!!

PS.: If you can not make it on next Tuesday, the meeting takes
place on each first Tuesday of the month in the same location
at the same time (until further notice!).

From: andy asfour (rochester inst. of technology, rochester ny.)
(716) 475 - 4335

UUCP: ...!rochester!aaa0407

From -1001744191000451681
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 124863,210964da1fc064d2,start
X-Google-Attributes: gid124863,public
X-Google-Thread: 10cb58,210964da1fc064d2,start
X-Google-Attributes: gid10cb58,public
X-Google-Thread: 1622d3,210964da1fc064d2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-01 19:16:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!wanginst!ucadmus!harvard!
seismo!umcp-cs!cvl!gyuri
From: gyuri@cvl.UUCP (Gyorgy Fekete)
Newsgroups: na.forsale,net.micro.apple,net.music
Subject: Passport Soundchaser w Mountan MusicSystem and ALF music for sale
Message-ID: <17@cvl.UUCP>
Date: Fri, 1-Feb-85 22:16:37 EST
Article-I.D.: cvl.17
Posted: Fri Feb 1 22:16:37 1985
Date-Received: Mon, 4-Feb-85 05:24:43 EST
Distribution: na
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 7
Xref: watmath na.forsale:21 net.micro.apple:1619 net.music:5936

I wish to sell my Passport Design Keyboard, Mountain Music System with Software
including Notewriter, Music Tutor, Performance software (4 tracks) and
Turbotraks (16 tracks). All in original box, and with original documentation.
Everything is in perfect condition. I am asking $1200 for the lot or
best offer. It works on all revision Apples (I have a Rev. 6 board).

Also, I have a three voice ALF card for sale with standard software for $120.

From -764007646603335007
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-02 14:48:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!mhuxv!mhuxh!mhuxi!mhuxm!sftig!
rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap;. Really about interrupts
Message-ID: <495@sftig.UUCP>
Date: Sat, 2-Feb-85 17:48:45 EST
Article-I.D.: sftig.495
Posted: Sat Feb 2 17:48:45 1985
Date-Received: Mon, 4-Feb-85 05:41:13 EST
References: <287@boulder.UUCP> <828@pucc-i> <7817@brl-tgr.ARPA>
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 45

> > ... most communications cards do not adhere to the
> > Apple standards for interrupt handling, which were established rather
> > late in the game.
>
> All that is needed is usually a jumper between two of the fingers
> on the card's edge connector.

Not quite. This is true if the card in question does not need to ever
send an interrupt of its own. Then all it has to do is jumper the
daisy chain to pass the 'interrupt is allowed' on to the next lower
numbered card. However, if the card wishes to present an interrupt of
its own, it must have sufficient smarts to provide the
jumper-equivalent when it is not presenting an interrupt, and to open
the jumper when it presents an interrupt and reclose it when the
interrupt is acknowledged by the CPU (usually a soft switch to reclose
the jumper) In this way, if all cards that present interrupts follow
the protocol, then there is full protection against lost interrupts
because of race conditions. This is all described in the Apple IIe
reference manual (pages 131 and 170-171). There is one further
requirement, all slots must be filled (at least with a dummy card that
has the jumpers on it) above the lowest numbered card that wishes to
be able to present an interrupt.

The catch to all this is not the jumpers (that is fairly easy to do).
The catch is that the Super Serial Card, while it has a switch to
enable interrupts from the ACIA, does not follow the daisy chain
protocol. It presents its interrupt when it has one, regardless of
the state of the incoming daisy chain and does not open the jumper
for the benefit of lower numbered cards. There is some consolation in
the fact that at least it does have the jumper in place, so as long as
you leave the 'interrupt enable' switch off, you can use it with other
cards that do follow the protocol.

The upshot of all this is that, if you want to use the interrupt

capability of the SSC, you will not be able to use the interrupt
capability of any other card you may have.

Does anybody know of any simple mods to the SSC that fix this bug?
Does Apple intend to fix it in later rev of the SSC? It would be real
nice to be able to use the SSC under Prodos with interrupts enabled
and a good interrupting clock card at the same time.

Rick Thomas
inhp4!attunix!rbt
(201)-522-6062

From 1787115012462731395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fdbed6aac967180a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-02 15:01:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!mhuxv!mhuxh!mhuxi!mhuxm!sftig!
rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Interrupts on the Apple IIe
Message-ID: <496@sftig.UUCP>
Date: Sat, 2-Feb-85 18:01:14 EST
Article-I.D.: sftig.496
Posted: Sat Feb 2 18:01:14 1985
Date-Received: Mon, 4-Feb-85 05:41:33 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 48

Subject: Re: IIe Termcap;. Really about interrupts
References: <287@boulder.UUCP> <828@pucc-i> <7817@brl-tgr.ARPA>

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Rick Thomas
inhp4!attunix!rbt
(201)-522-6062

From 5354027310569754579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-04 13:17:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rruxo.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mhuxn!mhuxb!mhuxr!ulysses!gamma!pyuxww!
pyuxv!rruxo!sitze
From: sitze@rruxo.UUCP (R Sitze)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: WIZARDRY questions.
Message-ID: <129@rruxo.UUCP>
Date: Mon, 4-Feb-85 16:17:56 EST
Article-I.D.: rruxo.129
Posted: Mon Feb 4 16:17:56 1985
Date-Received: Wed, 6-Feb-85 03:11:10 EST
References: <183@dmcnh.UUCP>

Organization: Bell Communications Research, Piscataway N.J.
Lines: 20
Xref: watmath net.games:1561 net.games.frp:1168 net.micro.apple:1624

In answer to your questions, to the best of my knowledge which is admittedly limited :

1. Suggested level of play for the Second Scenario is at least 12th level. 14 or better would be my personal minimum...

2. Possession of the Keys allows access to various treasure rooms and treasures.. (It's been a while... but take it from me, you need em..)

3. More Monsters.

4. If you find an answer to this one I'd like to know. I usually end up growing old fast over this one (literally).

5. Suffer. On the IBM-PC you don't have this problem. (I'm familier with both).

6. As far as I know, there is nothing to control, you just hack-n-slash your way in here and get mucho points.

From -766037845148156054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-ArrivalTime: 1985-02-05 06:17:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rti-sel.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!rti-sel!rcb
From: rcb@rti-sel.UUCP (Random)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: **SPOILER** Re: WIZARDRY questions.
Message-ID: <85@rti-sel.UUCP>
Date: Tue, 5-Feb-85 09:17:25 EST
Article-I.D.: rti-sel.85
Posted: Tue Feb 5 09:17:25 1985
Date-Received: Sun, 10-Feb-85 03:46:36 EST
References: <183@dmcnh.UUCP> <1680@cvl.UUCP> <7914@brl-tgr.ARPA>
Distribution: net
Organization: Research Triangle Institute, NC
Lines: 17
Xref: watmath net.games:1590 net.games.frp:1177 net.micro.apple:1636

> > ... A Blue Ribbon is needed to operate the other

> > elevator, which has access to levels 4-9 (getting to 10 takes minimal effort,
> > but lots of luck.
>
> Hey, how do you get to level 10?
> I've been trying to acquire a teleport spell
> but if there's an easier way I'd like to hear about it!

When you get to level nine on the elevator. I believe the left
door leads into a 2x2 room. Wander around in this room and you will
fall down a chute to level 10. Level 10 contains among other things,
a lot of little 1x1 alcoves. If you step into one, you go back to
the castle. Level 10 is tough. Good luck.

Random
Research Triangle Institute
...!mcnc!rti-sel!rcb

From 1829871843428551339
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,3a347cbd3872318b,start
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,3a347cbd3872318b,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,3a347cbd3872318b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-05 11:13:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dmcnh.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!sii!dmcnh!gts
From: gts@dmcnh.UUCP
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: WIZARDY thanks.
Message-ID: <184@dmcnh.UUCP>
Date: Tue, 5-Feb-85 14:13:42 EST
Article-I.D.: dmcnh.184
Posted: Tue Feb 5 14:13:42 1985
Date-Received: Sat, 9-Feb-85 09:10:03 EST
Distribution: net
Organization: Datamedia Corp, Nashua, NH
Lines: 16
Xref: watmath net.games:1587 net.games.frp:1176 net.micro.apple:1635

DRAGON FLEES!

Thanks to all who responded to my WIZARDRY questions. All the help is
greatly appreciated.
Thanks especially to David Hyde of UCLA CS to whom I can't seem to get
mail through. His suggestion about backing up my scenario as I play was
brilliant; I somehow overlooked this obvious and time-saving step.
And thanks from Dreffecken the Evil Dwarf Priest (Level 7; 59 HP).

+-----------------------------------+ +-----------------------------------+

USENET: decvax!ittvax!sii!dmcnh!gts		DISCLAIMER: The content of this
USMail: 14-F Hampshire Drive		message is the sole responsibility
Nashua, NH 03063		dmcnh!gts and does not necessarily
NEBell: (603) 880-2069		reflect the policies of Datamedia.
"If I had been a Bokonist then, that statement would have made me howl." -KVJr

From -997640280113486893
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 168b98,2ae7af2bd4d4a6e
X-Google-Attributes: gid168b98,public
X-Google-Thread: 125dc4,2ae7af2bd4d4a6e
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,2ae7af2bd4d4a6e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-05 13:24:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc13.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcc3!sdcc13!ee163acp
From: ee163acp@sdcc13.UUCP (DARIN JOHNSON)
Newsgroups: net.games,net.games.frp,net.micro.apple
Subject: Re: **SPOILER** Re: WIZARDRY questions.
Message-ID: <149@sdcc13.UUCP>
Date: Tue, 5-Feb-85 16:24:16 EST
Article-I.D.: sdcc13.149
Posted: Tue Feb 5 16:24:16 1985
Date-Received: Sat, 9-Feb-85 09:07:37 EST
References: <183@dmcnh.UUCP> <1680@cvl.UUCP> <7914@brl-tgr.ARPA>
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 20
Xref: watmath net.games:1586 net.games.frp:1175 net.micro.apple:1634

> > ... A Blue Ribbon is needed to operate the other
> > elevator, which has access to levels 4-9 (getting to 10 takes minimal effort,
> > but lots of luck.
>
> Hey, how do you get to level 10?
> I've been trying to acquire a teleport spell
> but if there's an easier way I'd like to hear about it!

  There is a chute down to the tenth from the ninth level. But beware,
  there is an obstacle in the way such as a teleport trap or somesuch, I
  don't remember which. However, if you do find it, it is easy to go to
  the tenth level without meeting any monster.
  Someone said earlier to ignore the graffiti on the first part of the
  tenth level, but I feel that if you decipher it, it will save you a
  lot of time. If you take a wrong path you get teleported back to the
  beginning (but this fact is not obvious until you try to map the
  seemingly endless maze).

         Darin Johnson @ UCSD

From -673884159455242813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd6b145c5b59d469,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-06 11:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucdcs.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!ekblaw
From: ekblaw@uiucdcs.UUCP
Newsgroups: net.micro.apple
Subject: WIZARDRY level 10
Message-ID: <33100008@uiucdcs.UUCP>
Date: Wed, 6-Feb-85 14:40:00 EST
Article-I.D.: uiucdcs.33100008
Posted: Wed Feb 6 14:40:00 1985
Date-Received: Fri, 8-Feb-85 02:07:31 EST
Lines: 84
Nf-ID: #N:uiucdcs:33100008:000:5226
Nf-From: uiucdcs!ekblaw   Feb 6 13:40:00 1985

I answer the original questions about WIZARDRY in the net.games.frp notesfile, so I won't go into it here. However, I believe a clarification of the entrance to 10th level (NOT level G, you dimwit!) is necessary.

TELEPORTING: It is possible to teleport down there. However, unless you have already mapped the 10th level (done by teleporting UP from it using a MALOR spell to a totally nonrock level [6th is good]), I wouldn't recommend it. The passages of level 10 are all disjoint, available by teleporting tiles in the various rooms. I don't remember where all of the rooms and corridors are, but Werdna's lab is in the SE (17-19 E, 0-2 N) corner of the maze.

TRAPDOORS (CHUTES): There are two chutes that take the party down to 10th level. One of these chutes is near the elevator landing (directions were given by another user). The other is in an area of 9th level attainable only by a teleporter chest or other teleport method (no, I don't remember its coordinates). It is recommended to use the one in the room by the elevator.

A few monsters to beware of on 10th level:

- Air Giants: These f**kers are MEAN!!! They hit harder than a blade cusinart' and can cause critical hits like a ninja. Most spells won't work against them (the same for all giants), but LAKANITO and TILTOWAIT have proven to be the most effective.

-Poison Giants: These suckers have the worst case of bad breath in history!!! They have a breath that's sheer poison - literally! If any character misses his/her saving throw against poison (which is based upon your attribute totals - the book never says exactly how this is done), that character is dead! Even if they make the saving throw, the damage is still tremendous.

I lost over half my party the first time I encountered one of these mothers. The same spells mentioned for Air Giants are good for these babies.

-Greater Demons: Hell comes to you!!! These devils are powerful! They shoot spells which would make Merlin jealous and have over 100 HP on the average. Best advice - Fighters jump 'em with a TILTOWAIT or LAKANITO support.

-Vampire Lords: These b**tards are the personal guard of Werdna, the evil arch-mage. Though the number encountered varies, it is typically around 4-8. There are always two groups of them to worry about. They shoot high-level spells and drain TWO or THREE levels if they hit someone. Best advice - use a TILTOWAIT. LAKANITO sometimes helps, but it always seems to miss one or two of them.

-W E R D N A: The big baddie himself! This is an arch-mage to end all arch-mages! However, to get the amulet to successfully complete the mission, he must die! Best way to do this is to have the priest in the party shoot a MABADI spell (leaving this sucker with only 1-8 HP) and have a fighter hit him to finish him off. You have to be lucky in the first place, though, and get him before he gets you. He AVERAGES 80 HP taken off each character with just one spell. If he surprises you, you're finished! If you surprise him and his entourage, do as I have said and he is dead along with maybe half or more of the vampire lords. If neither group surprises the other, pray that yu get your spells off first.

Final note: Killing WERDNA enables you to get the amulet. Take this baby back up with you to the castle to be named a Chevron. This is a good title as it automatically gains you 250,000 experience and automatic first attack against any monsters (though this first-attack bonus may only work in the Proving Grounds. I can't remember whether it extended to Knight of Diamonds or not. Also, this first-attack is only true of fighters and fighter-types. Spells still take awhile to cast). However, there are two disadvantages. One is that the amulet is automatically removed when the party returns, so that only that party becomes Chevrons, and Two is that you lose all of your equipment and most of your gold. My solution: before going down, give all your gold to a neutral character who is not part of the party. This way, you still have the gold with which to purchase items from the Trading Post. By this time, sold treasure items (you have been selling treasure items to the trading post, haven't you?) will have raised Boltac's stock up to levels almost equivalent to the equipment lost. A few treks to the ninth level to open some chests should restore the rest.

I hope these remarks clear up any confusion and help you out!

Robert A. Ekblaw, ekblaw@uiucdcs

From -1878135359424355560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,57a80db602b3982f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-06 12:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site smu.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!smu!mike
From: mike@smu.UUCP
Newsgroups: net.micro.apple
Subject: Re: Megamax-C
Message-ID: <31400010@smu.UUCP>
Date: Wed, 6-Feb-85 15:36:00 EST
Article-I.D.: smu.31400010
Posted: Wed Feb 6 15:36:00 1985
Date-Received: Fri, 8-Feb-85 01:22:43 EST
References: <71@osu-eddie.UUCP>
Lines: 7
Nf-ID: #R:osu-eddie:-7100:smu:31400010:000:183
Nf-From: smu!mike   Feb 6 14:36:00 1985

Just a bit of news for Megamax fans...

They will soon (next couple months probably) have a cross-compiler
available for UNIX. I don't know how it will be distributed.

Mike McNally

From -1561518899819464869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,580f675f0c33e3b9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-06 13:18:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wu1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!linus!philabs!
cmcl2!rna!cubsvax!wu1!rf
From: rf@wu1.UUCP
Newsgroups: net.micro.apple
Subject: Music programs for the Apple II
Message-ID: <346@wu1.UUCP>
Date: Wed, 6-Feb-85 16:18:13 EST
Article-I.D.: wu1.346
Posted: Wed Feb 6 16:18:13 1985
Date-Received: Tue, 12-Feb-85 04:39:39 EST
Organization: Western Union Telegraph, Mahwah, NJ
Lines: 40

Many moons ago, I posted a request for music-related Apple 2 software. I
was most interested in copyist's tools, programs that dealt with written

music, but I posted a general request to see what it might bring. I didn't get very many responses, but here's the summary:

Valerie Polichar (sdcc3!valerie) referred me to the AlphaSyntauri, a syntheisizer.

Kaare Christian (cmcl2!rna!kc), whose wife had just completed a survey for *The Computer Buyers Guide*, sent the following:

My wife has three suggestions:

Music Construction Set from Electronic Arts.
If you point at the key box and hold down the selector on your pointing device the key names will scroll by. When you let up, the given key will be selected and the computer will automatically transpose the current composition to that key. Sounds Neat!

Songwriter from Scarborough Systems
It claims to be able to transpose, but I don't know any details. Songwriter displays a piano roll instead of a staff, so it is easy for novices but may not be appropriate for the cognoscenti.

A program called Envelope Sharper from Rainbow Systems works in conjunction with their Music Composer program. Both programs require the MMI DAC board. ES claims to do whole octave transpositions.

Kenn Barry (dual!ames!barry) also wrote to refer me to a synthesizer (I don't seem to have a copy of his letter, so I can't quote it).

Randolph Fritz
UUCPnet: {ihnp4,decvax}!philabs!wu1!rf

"They say, 'Why don't you work, like other folks do?'
How can I work when there's no work to do?
Hallelujah, I'm a bum! Hallelujah, bum again! Hallelujah give us the handout to revive us again!" -- Spokane IWW

From -2306482195839374118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,694f787412162e2d,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,694f787412162e2d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-07 14:11:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bonnie.UUCP
Path: utzoo!watmath!clyde!bonnie!jww
From: jww@bonnie.UUCP (Joel West)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Woz leaves Apple

Message-ID: <410@bonnie.UUCP>
Date: Thu, 7-Feb-85 17:11:50 EST
Article-I.D.: bonnie.410
Posted: Thu Feb 7 17:11:50 1985
Date-Received: Fri, 8-Feb-85 00:36:06 EST
Organization: CACI -- La Jolla, Calif.
Lines: 46
Xref: watmath net.micro.mac:554 net.micro.apple:1630

Wall Street Journal (So. Calif. edition), Feb 7, p. 44:

Apple Computer Co-Founder Wozniak
Will Leave Firm, Citing Disagreements

CUPERTINO, Calif. - Steve Wozniak, the brilliant maverick co-founder of Apple Computer Inc., is leaving the company he helped start in a Silicon Valley garage eight years ago.

Mr. Wozniak said he will remain on Apple's payroll as an engineering consultant, but that he will be devoting most of his time to a new venture, developing home-video equipment.

He said his departure was prompted in part by bitter disagreements with Apple's management over the company's direction and by frustration with the rigidity of a big corporate bureaucracy.

...

Mr Wozniak said the Apple II, which was responsible for the company's instant success, "has been ignored in the hope that it will die and go away ..."

John Sculley, Apple's president and chief executive officer, would only say in prepared statement that the Apple II family of computers "are a mainstay of Apple's busines and will continue to be a very high priority in years ahead."
[Translation: "It's a cash cow." -- Ed.]

...

... "I want to go back to the garage where you don't have to fill out a dozen forms to get something done," [Wozniak said.] ...

... [Wozniak] is one of the company's largest shareholders, with 4% of its stock valued at about $70 million...

--

Joel West
CACI, Inc. - Federal 3344 N. Torrey Pines Ct La Jolla 92037
jww@bonnie.UUCP (ihnp4!bonnie!jww)
westjw@nosc.ARPA (***TEMPORARILY BROKEN***)

"The best is the enemy of the good" - A. Mullarney

From -1712738611368117424
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,775f6e65f6bda4d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-07 21:55:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!wlcrjs!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Can a 65C02 be used in an Apple][?
Message-ID: <372@aicchi.UUCP>
Date: Fri, 8-Feb-85 00:55:34 EST
Article-I.D.: aicchi.372
Posted: Fri Feb 8 00:55:34 1985
Date-Received: Sat, 9-Feb-85 08:14:10 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 9

Can a 65C02 microprocessor be used to replace the "standard" 6502 processor
in an Apple][or][+? If so, are there any problems that may offset the
benefits? Thanks in advance.

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From -4434493356499044848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1c01bb84cea4a604,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1c01bb84cea4a604,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-09 06:37:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!rochester!ritcv!jeh
From: jeh@ritcv.UUCP (Jim Heliotis)
Newsgroups: net.micro,net.micro.apple
Subject: Need to Replace Accounting Software (Apple][)
Message-ID: <1525@ritcv.UUCP>
Date: Sat, 9-Feb-85 09:37:28 EST
Article-I.D.: ritcv.1525
Posted: Sat Feb 9 09:37:28 1985

Date-Received: Tue, 12-Feb-85 05:01:34 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 39
Xref: watmath net.micro:9340 net.micro.apple:1641

I am sorry if you have seen this notice before; as far as I could tell, it did not get out.

--- Jim

==========

My mother is a public accountant who uses an Apple][+ for her work. Her main accounting program's disk was recently scrogged, and she has been unable to find a new copy of the disk at any local store, nor at several places in Manhattan which she has tried. The company does not even answer its phone (definitely not a good sign)!

Anyway, to get her through the next month or two, until she can acquire and learn a new software package, and re-enter all her information into the new files, she is looking for a good copy of the old program. Does anyone out in netland have one, or know where she might find one?

Company: BPI Systems, Inc.
Software: General Ledger, version 1.8

Just write to me with any info. Or, if you prefer, you may contact her via USSnail or MaBell:

Ms. Delaine Heliotis
Heliotis Associates
195 East High Street
Somerville, NJ 08876
201-722-1576

Thanks for your help.

Jim Heliotis
{seismo,allegra}!rochester!ritcv!jeh
ritcv!jeh@Rochester.ARPA

==========

P.S. By the way, any recommendations for new general ledger programs would be appreciated.

From -8368782038341360390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,b21001c1ffbb926e,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,b21001c1ffbb926e,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-02-09 20:19:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!utcs!lsuc!pesnta!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.mac,net.micro.apple
Subject: MacNosy
Message-ID: <1370@hao.UUCP>
Date: Sat, 9-Feb-85 23:19:33 EST
Article-I.D.: hao.1370
Posted: Sat Feb 9 23:19:33 1985
Date-Received: Mon, 11-Feb-85 12:41:54 EST
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 52
Xref: utcs net.micro.mac:588 net.micro.apple:1598

I am posting this for a friend...

Press Release:

Free the ROM 64 announces the availability of MacNosy, "The Disassembler for the rest of us", on 512K Macintosh and 1 Meg Lisa systems. MacNosy is an interactive disassembler that enables MacDevelopers and MacHackers to recover source code of any Macintosh application file, ROM, or "code" type resources on the "System" file, etc. MacNosy includes features to:

* Automatically subdivide a program into procedures and referenced data blocks.
* Reformat data into its "natural format" via commands.
* Selectively view procedures, code segments and resources by name, etc.
* Direct dissassembled output to a file for inspection or assembly.
* Produce reference map for procedure names, trapnames, etc.
* Search a file for references to selected addresses, trapnames, strings, etc.
* Play back previously recorded journal files (e.g. "scripts").
* Suspend execution until a later time.

The listings generated by MacNosy contain symbols for the procedure names, data areas, trapnames, system symbols, and local labels within a procedure.

MacNosy is availble for $50.00 direct from:

Steve Jasic
c/o Free the ROM 64
343 Trenton Way

Menlo Park, CA 94025

Dealer terms and site licenses are available, contact Steve Jasik
for details (415) 322-1386.

Users of MacNosy should have a knowledge of programming and assembly
language.

--

Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 2002119589201482575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd888d815ff25e96,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-10 06:58:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!tektronix!hplabs!hpda!fortune!amdcad!amd!dual!islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.apple
Subject: Mac Public Domain Review
Message-ID: <974@islenet.UUCP>
Date: Sun, 10-Feb-85 09:58:23 EST
Article-I.D.: islenet.974
Posted: Sun Feb 10 09:58:23 1985
Date-Received: Fri, 15-Feb-85 03:54:36 EST
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 107

Public Domain Review
By J Fields

With this article we begin a new series of articles to replace the old,
sometimes-rambling Ramblings column. Each month we will try to review
something from one of our various public domain libraries. This month we will
start out with Washington Apple Pi's SigMac DiskJ#1 for the Macintosh.
SigMac Disk #1 contains free modem programs, entertaining and educational
MicroSoft Basic(demo programs, and several utility programs.

Modem programs include:

MacTEP(by Dennis Brothers): All the software you need to turn your Mac into a
telecommunications terminal. It even includes the pin connections for the

cable to attach any modem to the connector on the back of the Mac. This is version 1.81, which includes support for auto-dialing with modems that have that feature. Other features include file uploading and downloading with a special download mode designed just for basic programs. Don't wait for MacTerminal; telecompute today.

Real Mouse MacTEP (by Dennis Brothers and Loftus Becker): Loftus Becker took MacTEP version 1.81 with all it's great features and made it even better by adding mouse control of all the menus.

Mouse MacTEP Loader: Run this program to load and run Mouse MacTep. This program clears out more memory so Mouse MacTEP can have enought room to load. This uses the space that the desk accessories normaly, use so they become unavailable. Oh well, you can't have everything in only 128k.
Demo programs provide excellent insights into how to optimize your own programs. They are also entertaining to play with. Try altering different statements, or using Mac's cut & paste capabilities to add these new features to other programs. Demonstration programs provided on SigMac Disk #1 include:

Animation (from ST.MAC March 1984): Some animation technics in MS-BASIC.

Clear Screen (by Anthony Anderson): A little routine to clear the entire screen. If you need the locations of the hi-res screen here they are.
Eliza An all-time favorite. You play the paitient and your Mac plays the doctor. In this demo your computer takes on the role of a psychoanalyst. Computers do say the darnest things.

FLASH(by Ron N.): This little routine is good for a cheap thrill and a short lesson in setting up and calling a machine code routine from MS-BASIC.

MacArt (by Steven Medwin): Select up to ten windows on your screen and sit back an watch. This routine creates windows of kinetic string art.
MacGlobe (by Karl Koessel, Andrew Tuline, and Christopher Allen)Learn how to animate with MS-BASIC or just impress your friends with this 3D rotating globe. Plus, it moves under mouse control.

MGLOBE.DAT (by Karl Koessel, Andrew Tuline, and Christopher Allen): The screen data for MacGlobe. If removed MacGlobe will recreate it, but it takes 20 - 25 min.

Menu Demo (by Loftus Becker): A good look at how to implement a mouse based menu system.

Mouse Demo (by George Acton): Take a look at how MS-BASIC allows you to read the mouse location and the state of the mouse button.

Utility programs include:

DiskDump(by R.H. Nicholson): If you're a programmer, you have probably wondered what secrets are hidden out there on that little 3.5" disk. Well, now you can know what's there in all its gory hexadecimal detail. This program allows you to look at any of the 800 or so blocks on the disk. Share your discoveries with the rest of us in the form of a MacWrite document.

Disk Dump II (by R. H. Nicholson): Like the Disk Dump above but allows for the output to go to the printer, screen, or a disk file.

LstFix Sets the font and size for the list window in MS-BASIC.

MacCopy(by Dennis Brothers): Allows you to append or copy text files. The program can output to any device so it can be used to print files also.

MacWidth (by Dennis Brothers): Copies a text file making the line length conform to a new value. Also gives a count of the words and lines in the new file.

MakeWrite (By Dennis Brothers): This program will change a text file to a MacWrite Document file.

SHAPE (by Mike Cohen): This program allows you to draw with the mouse and save your creation to the disk. The saved file can then be used later by another MS-BASIC program to load an array for screen display.

Text Editor (By Loftus Becker): A text editor for ascii documents. If you don't know what an ascii document is you are not ready for this program yet. Can not be used on MacWrite files.

Also included on the disk are several useful or fun-to-read documents. Program Notes gave me much of the information you see indented in the text above regarding the uses of the disk files. Also included are the following:
1984 script The full script of the commercial that made millions sit up and take notice of the machine destined to make them sit up and take notice.
Mac Error List The complete unexpurgated list of all the things that your Mac can do wrong. We hope you never need it.

QDraw Notes I: Those with MS-BASIC most likely have noticed by now Appendix E of the manual. It lists the calls to the Macintosh ROM routines but that is all. No description of their function, no examples--just a reference to an unavailable Apple manual. Well, here are some of the details that Microsoft left out.

QDraw Notes II More of what Microsoft left out.

RS-232 PINS Want to make a modem cable or hook up your video digitizer? This document details where to connect the pins.

From -484759825111742935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,775f6e65f6bda4d4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-10 13:09:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!
cs2532aa

From: cs2532aa@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can a 65C02 be used in an Apple][?
Message-ID: <240@unm-cvax.UUCP>
Date: Sun, 10-Feb-85 16:09:22 EST
Article-I.D.: unm-cvax.240
Posted: Sun Feb 10 16:09:22 1985
Date-Received: Wed, 13-Feb-85 03:19:38 EST
References: <372@aicchi.UUCP>
Reply-To: cs2532aa@unm-cvax.UUCP (Satan's Employee)
Followup-To: net.micro.apple
Organization: The Spud Patrol - We Monitor Reality
Lines: 43

>From: joeloda@aicchi.UUCP (Joseph D. Loda)
>
> Can a 65C02 microprocessor be used to replace the "standard" 6502 processor
> in an Apple][or][+? If so, are there any problems that may offset the
> benefits? Thanks in advance.

This is from issue #16 (latest issue; orange cover) of Hardcore COMPUTIST:

"Who wants a 65C02?"

Hardcore COMPUTIST is planning to make a volume purchase of 65C02 micro-
processors should a sufficient number of readers indicate that they would
like to purchase one of the chips. The main advantage of a 65C02 is an
enhanced instruction set.

The 65C02 processor from NCR is being used in the Apple //c but can be
substituted for the 6502 in Apple //e's. Apple][and][Plus owners can
also utilize the 65C02, but may have to replace two 74LS257 chips on the
motherboard with faster 74F257's (74F257's will also be available for those
who need them). We plan to purchase the chips from wither NCR or GTE.

If you are interested in a 65C02 for your Apple or compatiable, drop us a
line and let us know what kind of system you have (][,][Plus, //e or
Apple-compatiable [please specify brand]). You will be notified if/when
you may place your order. The tentative cost for a single chip is under
$10. Send your letter to:

     Hardcore COMPUTIST
     PO Box 110846C
     Tacoma, WA 98411

Hope this helps...

     .rne.

Real World . . Ernie Longmire / 311 Don St. SE / Los Lunas, NM 87031-9405
UUCP . . . . . {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2532aa

GalactiNet . . 1/MkyWy/r9.844-T00.05'24"-S206.28'49"/3/U.S.AT&T/5058655516
Scotch . . . . Dewars

Thank you . . . Good Night . . . Drive carefully.

From 15950004855120497 80
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f6746e4a88c1e17,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-10 13:49:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!mcnc!duke!na_rs
From: na_rs@duke.UUCP (Ravi Subrahmanyan)
Newsgroups: net.micro.apple
Subject: request for list of apple bbss
Message-ID: <5395@duke.UUCP>
Date: Sun, 10-Feb-85 16:49:24 EST
Article-I.D.: duke.5395
Posted: Sun Feb 10 16:49:24 1985
Date-Received: Wed, 13-Feb-85 01:36:40 EST
Organization: Duke University
Lines: 5

Would someone please send me the numbers of some active BBSs in
the NC area, or anywhere at all? I have this list from a book
on CP/M software, but all I seem to do is wake up people at night.
Thanks in advance,
                                    Ravi

From -738677858473016687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,775f6e65f6bda4d4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-10 15:46:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!
cs2534ai
From: cs2534ai@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can a 65C02 be used in an Apple][?
Message-ID: <241@unm-cvax.UUCP>
Date: Sun, 10-Feb-85 18:46:19 EST
Article-I.D.: unm-cvax.241
Posted: Sun Feb 10 18:46:19 1985
Date-Received: Wed, 13-Feb-85 03:30:32 EST
References: <>
Reply-To: cs2534ai@unm-cvax.UUCP (David Thomas)
Distribution: net

Organization: Univ. of New Mexico, Albuquerque
Lines: 30
Summary:

** UNABLE TO LOAD PRODOS **

In article <> joeloda@aicchi.UUCP (Joseph D. Loda) writes:

>Can a 65C02 microprocessor be used to replace the "standard" 6502 processor
>in an Apple][or][+? If so, are there any problems that may offset the
>benefits? Thanks in advance.

Rumor has it that soon all Apple //e's will be shipped with the new 65C02
microprocessor and the //c ROMs (much improved over the //e ones) as standard
equipment. Also, you will be able to obtain //c ROMs and 65C02 to install
in your present Apple //e. Apple has other things on it's mind right now,
so it may be a while yet (several months) before these things come to pass.

This mod applies to the //e only, by the way.

-DT
[The Deranged Terrestrial]


```
-------------------------------------------------------------------------
                    :::::::::
__________HOME__________  :::::   :::::  _____________WORK_______________
David B. Thomas           ::___   ___::  Rocky Mountain Computers (Apple)
1406 Calle Del Ranchero NE  ::\_*|-|_*/::  2109 Wyoming Blvd. NE
Albuquerque, NM  87106     ::   \_/   ::  Albuquerque, NM  87112
(505) 266-1016              :  (___)  :   (505) 292-2775 that's 292-APPL
                    :_______:
UUCP:   {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2534ai
-------------------------------------------------------------------------
```

"Sea Dragon...Seeeeea Dragon...SEEEEEA DRAGON!"

From 3025858771428634030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d87f3863a638cfb8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-10 20:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucdcs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!ekblaw
From: ekblaw@uiucdcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: **SPOILER** Re: WIZARDRY questio
Message-ID: <33100009@uiucdcs.UUCP>
Date: Sun, 10-Feb-85 23:16:00 EST
Article-I.D.: uiucdcs.33100009
Posted: Sun Feb 10 23:16:00 1985
Date-Received: Tue, 12-Feb-85 06:14:13 EST
References: <7914@brl-tgr.UUCP>

Lines: 4
Nf-ID: #R:brl-tgr:-791400:uiucdcs:33100009:000:85
Nf-From: uiucdcs!ekblaw   Feb 10 22:16:00 1985

I replied to this in net.games.frp. Refer there.

Robert A. Ekblaw, ekblaw@uiucdcs

From 4346417295968667881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a31699436d53f6fe,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 06:36:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!vax135!
cornell!uw-beaver!tektronix!decvax!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: THE WOZ
Message-ID: <526@decwrl.UUCP>
Date: Mon, 11-Feb-85 09:36:28 EST
Article-I.D.: decwrl.526
Posted: Mon Feb 11 09:36:28 1985
Date-Received: Wed, 13-Feb-85 04:04:29 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 30

I read with great SORROW that The WOZ is leaving Apple. It seems that they
still don't see the great possibilities of the // line. Especially with the
advent of the new 65C816 or 65816 chip which will let the // line do BOTH
8/16 bit by doing double cycles for 16 bit mode(from what I've read).Mr. Scully
since his hiring has done really nothing for the // line. Don't tell me about the
//C. All that is, is a //e that's portable. Nothing else!! A company as big as
Apple has really to my knowledge done anything to help or educate the users
after the purchase has been made. Their tech line is ALWAYS busy and when you
do get thru they ARE helpful,BUT I always get the same person!!! Is he there
alone or what. WOZ'S statement that the // line is ignored is so TRUE. Since
Apple's inception it was a tight company. Now that MR. Scully has brought the
BIG COMPANY philosiphies Apple has grown up andis very reclusive!!! Try and
get some info from them. I can state this as I've been in APPLE land for some
4 years now and have seen this. I'm not saying that getting a Big Company
Image is bad, but JEEZ don't FORGET WHERE YOU CAME FROM!!! That is the ultimate
SIN..... Probably the happiest day for Apple owners will be when Mr. Scully
LEAVES!!! What they need is a PERSON who doesn't forget where APPLE came from
and supports there users with the same LOYALTY as WE have SUPPORTED them!!!
I KNOW that APPLE is on the ENET (although they don't let you know!) I don't
mean for this to be so negative but feel that it should be said. I also feel
that APPLE(Mr. Scully) Should get a little of his own MEDICINE!!!! I long for
the days when you could call Apple and get or talk to someone. Get the info you

need and say THANKYOU. Not like that STUPID 800 # that had everyone saying thanx. I would imagine to see see some replies so below will be my ENET addr. or if you really think I'm crazy and want to yell at me in person, my fone # will alos(oops) be there. Maybe even APPLE will answer although I doubt it! Wow maybe even Mr. Scully will call.

later!!!!
Joe Craparotta
ENET---CRAPAROTTA::NY1MM
or for human to human 718-670-3564 8-5est

From -4944699654548154074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,50e906d91e0c2f0d,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,50e906d91e0c2f0d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 11:23:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site randvax.UUCP
Path: utzoo!utcs!lsuc!pesnta!hplabs!sdcrdcf!randvax!jim
From: jim@randvax.UUCP (Jim Gillogly)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Phone info for Apple news (L.A.)
Message-ID: <2304@randvax.UUCP>
Date: Mon, 11-Feb-85 14:23:22 EST
Article-I.D.: randvax.2304
Posted: Mon Feb 11 14:23:22 1985
Date-Received: Wed, 13-Feb-85 19:07:32 EST
Distribution: na
Organization: Gillogly Software
Lines: 12
Xref: utcs net.micro.apple:1612 net.micro.mac:606

A phone information service has been set up by an L.A. company called Candle dealing with news, rumors, and product info about Apples (including Macs). It's aimed at moderate- to very-experienced users, and isn't usually tutorial. It's a free service while they test-market the idea, so the only cost is toll charges (no 800 number). The phone number in L.A. is 213-687-4662. If there's a big response they may put it up more permanently on a chargeable number.
--
     Jim Gillogly
     {decvax, vortex}!randvax!jim
     jim@rand-unix.arpa

From 2188823516041616669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,775f6e65f6bda4d4
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-02-11 11:56:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Can a 65C02 be used in an Apple][?
Message-ID: <8238@brl-tgr.ARPA>
Date: Mon, 11-Feb-85 14:56:46 EST
Article-I.D.: brl-tgr.8238
Posted: Mon Feb 11 14:56:46 1985
Date-Received: Wed, 13-Feb-85 03:21:16 EST
References: <> <241@unm-cvax.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 9

> Rumor has it that soon all Apple //e's will be shipped with the new 65C02
> microprocessor and the //c ROMs (much improved over the //e ones) as standard
> equipment. Also, you will be able to obtain //c ROMs and 65C02 to install
> in your present Apple //e. Apple has other things on it's mind right now,
> so it may be a while yet (several months) before these things come to pass.

Please, the first person to find out how to get the //e upgrade, POST
the information here. (By the way, the ROMs may not be exactly those used
in the //c, but should be similar in operation.)

From -8133957856009306289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc6969deda4a61b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 12:27:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Pro dos C compiler
Message-ID: <11431@watmath.UUCP>
Date: Mon, 11-Feb-85 15:27:29 EST
Article-I.D.: watmath.11431
Posted: Mon Feb 11 15:27:29 1985
Date-Received: Tue, 12-Feb-85 04:52:29 EST
Reply-To: hardware@watmath.UUCP (MFCF Hardware Lab)
Organization: U of Waterloo, Ontario
Lines: 10
Summary:

I am looking for a C compiler which runs under Apple's Prodos.
I have seen ads for the Aztec compiler, but I know of no one who

has one, and I was wondering if there were any other kinds
available. If you have used a Prodos C compiler, please send me
your feelings about that particular program. Thanks.

Andrew Rahme
MFCF hardware lab

From 8557639464452106211
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a31699436d53f6fe
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 13:31:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!decwrl!sun!dgh
From: dgh@sun.uucp (David Hough)
Newsgroups: net.micro.apple
Subject: Re: THE WOZ
Message-ID: <1987@sun.uucp>
Date: Mon, 11-Feb-85 16:31:19 EST
Article-I.D.: sun.1987
Posted: Mon Feb 11 16:31:19 1985
Date-Received: Wed, 13-Feb-85 03:33:54 EST
References: <526@decwrl.UUCP>
Reply-To: dgh@sun.UUCP (David Hough)
Organization: Sun Microsystems, Inc.
Lines: 25
Summary:

The bottom line for this and similar comments that appear regularly
here is the following: hackers are not a billion dollar market. Hackers
are not important to a billion dollar company except when they create
commercial software that helps sell hardware to non-hackers, i.e. ordinary
consumers. As far as I know, none of the principal players in the personal
business computer market, including Apple and IBM,
have anything to brag about in the way of end-user
support, particularly for technically demanding end-users.

You can't call GM in Detroit and expect to be put through to the
engineer who designed your Cadillac, much less your Chevy. If you want
that kind of support you deal with a very small custom car builder and
pay appropriately. GM will tell you to call the dealer, who will put the
salesman back on the line to tell you what a great little car you bought.
If you want a technical discussion you can probably talk to the service
mechanics for $40 an hour.

Steve Jobs has mentioned repeatedly that Apple is now in the
toaster appliance business. Believe it. I guess Woz finally did.

It just may be that improving the Apple][too much would adversely
affect Macintosh sales. IBM has these kinds of conflicts all the time.
The resolution is as much political as technical. Remember the last executive
Sculley hired was a Pepsi guy.

David Hough

From 3424281804063634518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1c01bb84cea4a604
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1c01bb84cea4a604
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 13:33:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unccvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!mcnc!unccvax!jsp
From: jsp@unccvax.UUCP (Joel Patterson)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Need to Replace Accounting Software (Apple][)
Message-ID: <134@unccvax.UUCP>
Date: Mon, 11-Feb-85 16:33:50 EST
Article-I.D.: unccvax.134
Posted: Mon Feb 11 16:33:50 1985
Date-Received: Wed, 13-Feb-85 03:18:19 EST
References: <1525@ritcv.UUCP>
Organization: UNC-Charlotte
Lines: 21
Xref: watmath net.micro:9357 net.micro.apple:1647

From jsp Mon Feb 11 16:32:40 1985
Received: by unccvax.UUCP (4.12/4.7)
     id AA10994; Mon, 11 Feb 85 16:32:40 est
Date: Mon, 11 Feb 85 16:32:40 est
From: jsp (Joel Patterson)
Message-Id: <8502112132.AA10994@unccvax.UUCP>
To: ritcv!jeh
Subject: Re: Need to Replace Accounting Software (Apple][)
References: <1525@ritcv.UUCP>

BPI is still a sound company and should be able to help.
KEEP TRYING!

As for a new general ledger package I would recommend
STATE OF THE ART General Ledger.
It is complete and easy to use, and several other modules
interface to it. ie A/R, A/P, Payroll, Inventory control etc.
See you local apple dealer for details and a demo.

jsp@unccvax

From 9154160264687219156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6bcd62de4af672d,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-11 19:21:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
harpo!decvax!genrad!panda!talcott!harvard!seismo!cmcl2!lanl!unmvax!unm-cvax!
cs2534ai
From: cs2534ai@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Manx's ProDOS C: My tale of woe
Message-ID: <243@unm-cvax.UUCP>
Date: Mon, 11-Feb-85 22:21:50 EST
Article-I.D.: unm-cvax.243
Posted: Mon Feb 11 22:21:50 1985
Date-Received: Thu, 14-Feb-85 03:14:59 EST
Reply-To: cs2534ai@unm-cvax.UUCP (David Thomas)
Organization: Univ. of New Mexico, Albuquerque
Lines: 61

<< pilot light on (very mild flame) >>

Just in case anybody out there is thinking of getting a C language package for the Apple][, I thought I'd throw in some info I acquired the hard way...

About a year ago, I decided I would like to get a C development package for my Apple //e system, and Manx's Aztec C65 looked good to me. I wanted a package that would run under ProDOS because I planned to do some heavy-duty development and ProDOS was better, newer, faster, etc.

When I called Manx, I discovered that the ProDOS version was not available 'yet', but would be in 'about a month'. The price would be $299, which I thought was quite fair, and their policy on development pleased me to death. Summarized, it is: "Develop all you want, and if you sell it, more power to you. We don't want a cut." The reason for that nice policy is that Aztec C will compile your C source into native 6502 code, which you can run without a "runtime" program, which would be copyrighted (apple pascal programs require "runtime pascal" which must be licensed).

WELL, the month went by, and I called again. "Another coupla months." This went on and on. I made the first call back in March 1984. By November things were "winding down" and the package would be out "by the end of the year". In December the latest scoop was "oh, end of December or beginning of January" . . . . . Y A W N !

TO THIS DAY the ProDOS-based C package is not available! Their girl knows me well by now, too! I'm the jerk who calls once a month and expects a package that has been advertised for a year to be available. (I got her good once with "Okay, what's your latest lie?" :-))

I have examined the DOS 3.3 version of the package, and it is excellent! I just don't want to develop under DOS, and I feel awful

because I know that if this package only existed it would be the best one available and well worth my $299. However, had I known it would be this long from the start, instead of being teased and put off for many months, I would have taken my money elsewhere, and I have now resolved not to do any business with Manx, ever (the DOS copy I played with was pirated! Want one? :-)).

I just thought I'd let everyone in netland know about that. I WOULD recommend the DOS 3.3 package, if I didn't hate Manx so much.

Any comments/questions/recommendations for other C packages would be appreciated.

-DT
[Disenchanted in the Land of Enchantment]

```
                    :::::::::
___________HOME___________  :::::   :::::  ______________WORK_____________
David B. Thomas            ::___   ___::  Rocky Mountain Computers (Apple)
1406 Calle Del Ranchero NE  ::\_*|-|_*/::  2109 Wyoming Blvd. NE
Albuquerque, NM  87106     ::   \_/   ::  Albuquerque, NM  87112
(505) 266-1016              :  (___)  :   (505) 292-2775 that's 292-APPL
                    :_______:
UUCP:   {{purdue,cmcl2,ihnp4}!lanl,ucbvax}!unmvax!unm-cvax!cs2534ai
```

"We're prepared to believe you."


```
From -4232126839969233807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,abb2a360101fbf60,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,abb2a360101fbf60,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1985-02-12 11:53:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rayssd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!rayssd!sth
From: sth@rayssd.UUCP
Newsgroups: net.lang.c,net.micro.apple
Subject: Suggestions wanted for C compiler on Apple IIc
Message-ID: <643@rayssd.UUCP>
Date: Tue, 12-Feb-85 14:53:08 EST
Article-I.D.: rayssd.643
Posted: Tue Feb 12 14:53:08 1985
Date-Received: Wed, 13-Feb-85 07:40:08 EST
Distribution: net
Organization: Raytheon Co., Portsmouth RI
Lines: 5
Xref: watmath net.lang.c:4351 net.micro.apple:1650
```


Could anybody make suggestions as to C compilers for the Apple IIc? Consi-

derations include cost, and efficiency of the code. Many thanx in advance.

Steve Hirsch,   {allegra, decvax!brunix, linus, ccieng5}!rayssd!sth
Raytheon Co,   Submarine Signal Div., Portsmouth, RI

From 1307276178563743003
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6bcd62de4af672d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-12 13:30:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!linus!philabs!
cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Manx's ProDOS C: My tale of woe
Message-ID: <8286@brl-tgr.ARPA>
Date: Tue, 12-Feb-85 16:30:42 EST
Article-I.D.: brl-tgr.8286
Posted: Tue Feb 12 16:30:42 1985
Date-Received: Sat, 16-Feb-85 06:07:12 EST
References: <243@unm-cvax.UUCP>
Organization: Ballistic Research Lab
Lines: 7

Apparently Manx Software Systems has too few competent developers
to spread them any thinner. A couple of years ago one could call
Manx and talk directly with the developer of Aztec C (hi, Jim!).
He seemed to have been put on their Macintosh C project (first
release now available) and didn't have time to deal with ProDOS.
I have no idea whether there will ever be an Aztec C for ProDOS,
but if not it's a pity.

From 6260738477693599765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5bc97c038355a527,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5bc97c038355a527,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-12 20:11:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!utcs!lsuc!pesnta!hplabs!hao!seismo!brl-tgr!scooper
From: scooper@brl-tgr.ARPA (Stephan Cooper)
Newsgroups: net.micro,net.micro.apple
Subject: C compiler for][e
Message-ID: <8295@brl-tgr.ARPA>
Date: Tue, 12-Feb-85 23:11:09 EST
Article-I.D.: brl-tgr.8295
Posted: Tue Feb 12 23:11:09 1985

Date-Received: Thu, 14-Feb-85 18:56:48 EST
Distribution: net
Organization: Ballistic Research Lab
Lines: 10
Xref: utcs net.micro:8987 net.micro.apple:1616

I am looking for a C compiler for an Apple][e.
I would preferably like it to be public domain.
If this is not possible, could anyone recommend
an inecpensive, but efficient one?

Thanks

Steve

From 2008634514836304784
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3fb660c52c9f4bbd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 05:39:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!utcs!lsuc!pesnta!amdcad!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: HACKER REPLY??
Message-ID: <563@decwrl.UUCP>
Date: Wed, 13-Feb-85 08:39:35 EST
Article-I.D.: decwrl.563
Posted: Wed Feb 13 08:39:35 1985
Date-Received: Wed, 13-Feb-85 19:12:27 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 7

     Wow!! I didn't know that because I own a //e that I'm considered a
hacker! Besides even if I am who do you think made Apple a Billion $ company??
I sure as *&*(wasn't the LISA or the Mac..True I don't think that Apple has
to support the ?? line FOREVER but, they can improve on it while they're still
selling HOT (//e's are in BIG demand incase you don't know) and obvious improv-

From 4975079939888251081
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9de30a0db732f431,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 09:08:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!utcs!lsuc!pesnta!amdcad!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: OOPS FORGOT
Message-ID: <567@decwrl.UUCP>
Date: Wed, 13-Feb-85 12:08:04 EST
Article-I.D.: decwrl.567
Posted: Wed Feb 13 12:08:04 1985
Date-Received: Wed, 13-Feb-85 22:43:44 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 6

OBVIOUSLY THE WORD I EXPRESS ARE MINE(PERSONAL)AND NOT DIGITAL EQUIPMENT CORP

THANX

JOE CRAPAROTTTA

From 357585773198500411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,775f6e65f6bda4d4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 09:30:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!cord!bentley!hoxna!houxm!vax135!
cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Can a 65C02 be used in an Apple][?
Message-ID: <289@ssc-bee.UUCP>
Date: Wed, 13-Feb-85 12:30:24 EST
Article-I.D.: ssc-bee.289
Posted: Wed Feb 13 12:30:24 1985
Date-Received: Fri, 15-Feb-85 03:36:38 EST
References: <372@aicchi.UUCP>
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 19

> Yes.
>
> A friend replaced the 6502 in his old][+ with a 65c02 with
> no problems although some say it will not work. It may
> be a critical timing problem where some chips will work in
> some Apples but not others.
>
> caveat: Not all 65c02's are created equal. If you want to

be Apple compatible, be sure to buy a chip made by the
same manufacturer (NEC, I believe but check it out) that
Apple uses. Different companies have added different
instructions to the 6502 basic instruction set!

Best bet may be to buy the chip from your Apple dealer.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -1366895411448676440
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,5c7bf2a44ed0f60c,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5c7bf2a44ed0f60c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 11:26:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!linus!
philabs!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.micro.pc,net.micro.apple
Subject: The language SAVVY
Message-ID: <678@unmvax.UUCP>
Date: Wed, 13-Feb-85 14:26:19 EST
Article-I.D.: unmvax.678
Posted: Wed Feb 13 14:26:19 1985
Date-Received: Sun, 17-Feb-85 05:12:11 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 12
Xref: watmath net.micro.pc:3351 net.micro.apple:1663

Excalibur (the inventors of SAVVY) went under this month.

The net result of this is that all you SAVVY owners are out in the
 cold for user support. Therefor I am offering my services as a SAVVY
 consultant(free of charge). (I used to man the phone lines as a consultant).

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -8216348897679870873
X-Google-Language: Unknown,Unknown
X-Google-Thread: 1622d3,f09489788f9f3652,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 14:31:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!utcs!lsuc!pesnta!hplabs!hp-pcd!uo-vax1!jeffe
From: jeffe@uo-vax1.UUCP (jeffe)
Newsgroups: net.micro.apple
Subject:
Message-ID: <83700001@uo-vax1.UUCP>
Date: Wed, 13-Feb-85 17:31:00 EST
Article-I.D.: uo-vax1.83700001
Posted: Wed Feb 13 17:31:00 1985
Date-Received: Thu, 21-Feb-85 02:52:50 EST
Organization: Univ of Oregon - Eugene, OR
Lines: 0
Nf-ID: #N:uo-vax1:83700001:000:1
Nf-From: uo-vax1!jeffe   Feb 13 14:31:00 1985

From -4499425243451500437
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e49df9b3f1b4411e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 14:34:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!utcs!lsuc!pesnta!hplabs!hp-pcd!uo-vax1!jeffe
From: jeffe@uo-vax1.UUCP (jeffe)
Newsgroups: net.micro.apple
Subject: Wizardry Hints in Net.games
Message-ID: <83700002@uo-vax1.UUCP>
Date: Wed, 13-Feb-85 17:34:00 EST
Article-I.D.: uo-vax1.83700002
Posted: Wed Feb 13 17:34:00 1985
Date-Received: Thu, 21-Feb-85 02:52:28 EST
Organization: Univ of Oregon - Eugene, OR
Lines: 10
Nf-ID: #N:uo-vax1:83700002:000:134
Nf-From: uo-vax1!jeffe   Feb 13 14:34:00 1985

[.....]

To all you looking at Wizardy info here, I put some hints in net.games

Del

....!tektronix!uoregon!uo-vax1!jeffe

From 8441253390348909588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7a79d9d5443d15c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-13 20:29:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Termcap for Apple][with Videx Videoterm
Message-ID: <374@aicchi.UUCP>
Date: Wed, 13-Feb-85 23:29:01 EST
Article-I.D.: aicchi.374
Posted: Wed Feb 13 23:29:01 1985
Date-Received: Fri, 15-Feb-85 03:35:23 EST
Distribution: net
Organization: Analysts International Corp; Chicago Branch
Lines: 18

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

   Having just acquired a Videx Videoterm 80 column card, I developed
this termcap entry for it. I purchased the Inverse alternate character
set with it, thus the so and se entries. Without the inverse set, delete
these capabilities. This has received about 3 weeks of non-intensive
testing, so if you have any problems, let me know.


```
av|appvv|Apple ][ with Videx Videoterm and inverse chip:\
         :am:bs:cd=16*^K:ce=^]:cl=16*^L:\
         :cm=\036%r%+ %+ :\
         :co#80:dT=8:ho=^Y:li#24:nd=^\:so=^O:se=^N:up=^_
```

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 615328979613324132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52073c6cd9e4cd68,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-14 03:30:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site root44.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!ukc!kcl-cs!root44!addw
From: addw@root44.UUCP (Alain Williams)
Newsgroups: net.micro.apple
Subject: Help, what is a print port address likely to be?
Message-ID: <5282@root44.UUCP>
Date: Thu, 14-Feb-85 06:30:08 EST

Article-I.D.: root44.5282
Posted: Thu Feb 14 06:30:08 1985
Date-Received: Thu, 21-Feb-85 05:00:44 EST
Organization: Root Computers Ltd., London
Lines: 15

I am posting this for a friend.

He has an Apple II e, or Apple II +. He wishes to connect a printer to it
but does not know the printer port address. Please can you help.

(The people who sold him the Apple aren't interested as he bought the
printer elsewhere.)

Thank you in advance for your help

Alain Williams,
Root Computers Ltd, London, England.
<UK-net>!{hirst1|qmc-sc|edai|kcl-cs|ukc|glasgow|ist}!root44!addw
{rlvd|flame|unisoft|deccra|pmllab}!root44!addw
root44!{rootcl|rootis}!addw

From -8151813191266754620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b16e3b0d194671cf,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,b16e3b0d194671cf,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 120a1f,b16e3b0d194671cf,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-02-14 12:02:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!linus!
philabs!cmcl2!lanl!unmvax!michael
From: michael@unmvax.UUCP
Newsgroups: net.micro,net.micro.apple,net.wanted.sources
Subject: Library manager for Apple][e
Message-ID: <680@unmvax.UUCP>
Date: Thu, 14-Feb-85 15:02:04 EST
Article-I.D.: unmvax.680
Posted: Thu Feb 14 15:02:04 1985
Date-Received: Sun, 17-Feb-85 05:06:50 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 14
Xref: watmath net.micro:9401 net.micro.apple:1662 net.wanted.sources:492

Does anybody know of the existance of a library manager that runs on the
Apple][e?

Something along the lines of SQ and USQ would be fantastic but I would settle

for a simple library manager. I need something that doesn't require a CPM
softcard of sorts. Thanks.

--Michael

UUCP: ...{ucbvax, gatech, csu-cs, lanl}!unmvax!michael
ARPA: unmvax!michael@lanl.ARPA
US SNAIL: Computer Science Department
          University of New Mexico
          Albuquerque, New Mexico 87131

From -2317060312960306654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6bcd62de4af672d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-14 15:47:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ukma.UUCP
Path: utzoo!watmath!clyde!cbosgd!ukma!sean
From: sean@ukma.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Re: Manx's ProDOS C: My tale of woe
Message-ID: <816@ukma.UUCP>
Date: Thu, 14-Feb-85 18:47:59 EST
Article-I.D.: ukma.816
Posted: Thu Feb 14 18:47:59 1985
Date-Received: Fri, 15-Feb-85 06:08:20 EST
References: <243@unm-cvax.UUCP>
Organization: The White Tower @ The Univ. of KY
Lines: 16

It is best not to deal with companies that make promises like that
and fail to deliver. The last I heard, someone was trying to push
a law through that would prohibit advertising something unless it
was currently available. Any input on this?

Sean

--
Sean Casey   UUCP: {hasmed, cbosgd}-\
              {ucbvax, unmvax, boulder, research}!anlams---ukma!sean
                   {mcvax!qtlon, vax135, mddc}!qusavx-/

          ARPA: "ukma!sean"@ANL-MCS or sean%ukma.uucp@anl-mcs.arpa
---

From -3764329683280569360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff9466ae61f869c9,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-15 11:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!utcs!lsuc!pesnta!hplabs!hp-pcd!hpfcma!marc
From: marc@hpfcma.UUCP (marc)
Newsgroups: net.micro.apple
Subject: Can Macintosh talk LIF and HP-IB?
Message-ID: <8100001@hpfcma.UUCP>
Date: Fri, 15-Feb-85 14:56:00 EST
Article-I.D.: hpfcma.8100001
Posted: Fri Feb 15 14:56:00 1985
Date-Received: Thu, 21-Feb-85 02:51:18 EST
Organization: Hewlett-Packard - Fort Collins, CO
Lines: 20
Nf-ID: #N:hpfcma:8100001:000:832
Nf-From: hpfcma!marc   Feb 15 11:56:00 1985

I just bought a 512k Macintosh last night. Of course I love it already,
but I wonder if any of you out there in NetLand know of a board/connection
for an IEEE-488 (1978) bus. Also known as GP-IB or HP-IB. I would like
to connect it to Hewlett-Packard peripherals, such as a ThinkJet or
LaserJet.

Excuse my ignorance, but could there be some way to convert from an RS-432
high speed serial interface to HP-IB? Perhaps a human sacrifice or two?

Further, does anyone know of a driver (or some other path) to write to the
micro-floppies in Hewlett-Packard's Logical Interchange Format (LIF)? I
understand this may be a problem since Apple uses variable speed drives.
Any clues would be greatly appreciated.

Marc "Apple ain't enough" McKenzie
{hpfcla!}hpfcma!marc
303/226-3800 ext 3488 (work)
    223-5674 (home)

From 6835657189728227554
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c75ccd2bce64cf2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-15 18:57:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uok!
jatranks
From: jatranks@uok.UUCP
Newsgroups: net.micro.apple
Subject: Apple//e termcap anyone?
Message-ID: <4500013@uok.UUCP>

Date: Fri, 15-Feb-85 21:57:00 EST
Article-I.D.: uok.4500013
Posted: Fri Feb 15 21:57:00 1985
Date-Received: Fri, 22-Feb-85 10:08:24 EST
Lines: 12
Nf-ID: #N:uok:4500013:000:169
Nf-From: uok!jatranks   Feb 15 20:57:00 1985

:::
::::
:::::
       Does anyone have a termcap for the Apple //e?
       I would really appreciate any info about //e termcaps.

                  Thanks,
                           Todd
:::::
::::
:::

From -7170141204567384040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12da6b,2e812e3d4b8217f,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,2e812e3d4b8217f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,2e812e3d4b8217f,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-02-16 22:04:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ritcv!jxf6805
From: jxf6805@ritcv.UUCP (Joseph Froehlich)
Newsgroups: net.micro.mac,net.lang.c,net.micro.apple
Subject: ATTN: MEGAMAX-C LOVERS
Message-ID: <1540@ritcv.UUCP>
Date: Sun, 17-Feb-85 01:04:04 EST
Article-I.D.: ritcv.1540
Posted: Sun Feb 17 01:04:04 1985
Date-Received: Wed, 20-Feb-85 09:19:31 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 12
Xref: linus net.micro.mac:541 net.lang.c:3874 net.micro.apple:1325

I appreciate the response I received from all of you regarding C compilers
for the Macintosh. It was both informative and interesting. One further
request, if I may? Is there anyone among you who would be willing to send
me a copy of the Megamax compiler so that I may demo the package before I
cough up the $300? If so, please send the disk to the following address:

J. Froehlich
54 Trento St
Rochester, NY 14606

It will be worth a little something extra in you Xmas stocking. Please send your Xmas list with the disk! Thanks in advance!!!

From -3243030614842664194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12da6b,2e812e3d4b8217f
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,2e812e3d4b8217f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,2e812e3d4b8217f
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-02-17 10:49:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!utcs!lsuc!pesnta!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.mac,net.lang.c,net.micro.apple
Subject: Re: ATTN: MEGAMAX-C LOVERS
Message-ID: <1376@hao.UUCP>
Date: Sun, 17-Feb-85 13:49:07 EST
Article-I.D.: hao.1376
Posted: Sun Feb 17 13:49:07 1985
Date-Received: Mon, 18-Feb-85 08:43:59 EST
References: <1540@ritcv.UUCP>
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 12
Xref: utcs net.micro.mac:638 net.lang.c:4303 net.micro.apple:1625

[]
For the good of all of us, and for the survival of USENET, I
think we should all refrain from carrying on our piracies over
this particular medium.

--

Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -3604571612746952598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,230be04dc5c2ce56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-18 10:22:36 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 (Tek) 9/28/84 based on 9/17/84; site tektronix.UUCP
Path: utzoo!utcs!lsuc!pesnta!amdcad!decwrl!decvax!tektronix!robertj
From: robertj@tektronix.UUCP (Robert Jaquiss)
Newsgroups: net.micro.apple
Subject: Kermit wanted for Apple IIE
Message-ID: <5142@tektronix.UUCP>
Date: Mon, 18-Feb-85 13:22:36 EST
Article-I.D.: tektroni.5142
Posted: Mon Feb 18 13:22:36 1985
Date-Received: Tue, 19-Feb-85 18:50:53 EST
Organization: Tektronix, Beaverton OR
Lines: 9

---
e//
Does anyyone have Kermit on a disk for an Apple IIE? If you have it or know where I can get it please write or call thank you.
Robert S. Jaquiss Jr.
ucbvax!tektronix!robertj (uucp)
robert jaquiss@tektronix (csnet)
robert jaquiss.tektronix@rand-relay (arpanet)
(503) 627-6346 (audio phone at work)

From -6988080569442577004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc6969deda4a61b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-18 11:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucuxa.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxa!jwb607
From: jwb607@uiucuxa.UUCP
Newsgroups: net.micro.apple
Subject: Re: Pro dos C compiler
Message-ID: <9800001@uiucuxa.UUCP>
Date: Mon, 18-Feb-85 14:39:00 EST
Article-I.D.: uiucuxa.9800001
Posted: Mon Feb 18 14:39:00 1985
Date-Received: Fri, 22-Feb-85 21:28:08 EST
References: <11431@watmath.UUCP>
Lines: 3
Nf-ID: #R:watmath:-1143100:uiucuxa:9800001:000:84
Nf-From: uiucuxa!jwb607   Feb 18 13:39:00 1985

I phoned Manx friday. They said 6 weeks. This is also what they said last August.

From -8542474600673867292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2e812e3d4b8217f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,2e812e3d4b8217f
X-Google-Attributes: gid152df8,public
X-Google-Thread: 12da6b,2e812e3d4b8217f
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1985-02-18 12:59:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-spice.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!cmu-cs-pt!cmu-cs-spice!tdn
From: tdn@cmu-cs-spice.ARPA (Thomas Newton)
Newsgroups: net.micro.mac,net.lang.c,net.micro.apple
Subject: Re: ATTN: MEGAMAX-C LOVERS
Message-ID: <291@cmu-cs-spice.ARPA>
Date: Mon, 18-Feb-85 15:59:33 EST
Article-I.D.: cmu-cs-s.291
Posted: Mon Feb 18 15:59:33 1985
Date-Received: Thu, 21-Feb-85 04:02:41 EST
Organization: Carnegie-Mellon University, CS/RI
Lines: 8
Xref: linus net.micro.mac:545 net.lang.c:3878 net.micro.apple:1327

I hope that Megamax is on this net, and that their lawyers nail you to the
wall. From what I have heard, the Megamax compiler is a very good one and
furthermore it is not copy-protected. If it is pirated all over the place,
though, they may decide that it is necessary to stop the pirates even at the
cost of screwing the legitimate users. I don't want to see that happen.

                                        -- Thomas Newton
                                           Thomas.Newton@cmu-cs-spice.ARPA

From -4427877765102842264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,6da0df77a383f024,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,6da0df77a383f024,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-18 19:16:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!hoxna!houxm!whuxl!whuxlm!
harpo!decvax!ittvax!dcdwest!sdcsvax!sdcc3!sdcc7!ee65xdh
From: ee65xdh@sdcc7.UUCP (JAMES HAYES)
Newsgroups: net.micro.apple,net.micro.mac
Subject: UNIX <---> Apple //e and //c Terminal system
Message-ID: <1363@sdcc7.UUCP>
Date: Mon, 18-Feb-85 22:16:50 EST
Article-I.D.: sdcc7.1363
Posted: Mon Feb 18 22:16:50 1985
Date-Received: Fri, 22-Feb-85 09:04:05 EST

Organization: U.C. San Diego, Academic Computer Center
Lines: 52
Xref: watmath net.micro.apple:1671 net.micro.mac:642

The responses are in:

US Mail :67

Posting:
  Raw source:6
  Raw Hex   :3
  Binihex (and other "codes") :6

My problems:

The initial program I wrote, I developed (tested) using one of our
UCSD unix systems. (That is a no no because it becomes property of
The University of California Regents.)

Well, seeing that It would belong to them and not to me, I dumped
that version and rewrote it (bigger and better.[More on that]).

So, I face a dillema. I want to US mail it, but there's a catch... I
have to start a little distribution house. So I will be doing
legal paperwork for a month or so. I'll probably require some $
for my costs and what not. I'll post the address and the details soon.

Specs:

Software interupt driven modem routines,
Reverse and forward scrolling
Insert / Delete line
Screen Dump
Inverse / Normal characters
Capture buffer
Capture buffer print and save to disk
Auto Dialing (for Hayes smartmodem and compatibles)
Redialing (User must initiate)
Dialing "phone book"

Possibles: (Depending on my class load and ambition)

Definable function keys (10 [open apple 0-9])
Transmit text file directly into vi.

Any other suggestions? (I'm not ambitious enough to put the kermit
protocol in, but I might be persuaded.)

Have any of you set up a home-business before? I'd like to hear from
you.

-Jim Hayes
 sdcsvax!sdcc7!ee65xdh

Or, if you really want to talk, (619) 455-1195 between 6-11pm west
coast time. (ask for Jim)

From 8876980455810368121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52073c6cd9e4cd68
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-19 08:16:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (Dave Hsu)
Newsgroups: net.micro.apple
Subject: Re: Help, what is a print port address likely to be?
Message-ID: <53@cvl.UUCP>
Date: Tue, 19-Feb-85 11:16:45 EST
Article-I.D.: cvl.53
Posted: Tue Feb 19 11:16:45 1985
Date-Received: Thu, 21-Feb-85 05:26:02 EST
References: <5282@root44.UUCP>
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 24

>
> He has an Apple II e, or Apple II +. He wishes to connect a printer to it
> but does not know the printer port address. Please can you help.
>

Egads...it is necessary to specify which interface is being used. i.e.
is he using a generic parallel card? a multifunction card? maybe a serial
card?

For the most part, you don't mess with the hardware ports unless you plan
to write a custom device driver, which in this case doesn't sound likely.
Stick to issuing PR#n where n is the slot number; this way is much simpler.

Assuming he hasn't got the tech manual, the port addresses are found at
hex address C0x0 through C0xF where x = 8 + slot number. For example,
a printer card in slot 1 (or phantomed there) uses C090 through C09F.

Good luck,

=Dave Hsu=   "...very dangerous. You go first." (301) 454-4526
ARPA: hsu@cvl hsu@umd2   USnail: Computer Vision Laboratory
CSNET: hsu@cvl   Center for Automation Research
BITNET: hsu@umd2   University of Maryland
UUCP: {seismo,allegra,brl-bmd}!umcp-cs!cvl!hsu   College Park, MD 20742

From -1830810399782247050
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,16c914fb5cdf40bd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-19 10:30:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP (Paul M. Hudy)
Newsgroups: net.micro.apple
Subject: Micro Sci A70
Message-ID: <732@ecsvax.UUCP>
Date: Tue, 19-Feb-85 13:30:27 EST
Article-I.D.: ecsvax.732
Posted: Tue Feb 19 13:30:27 1985
Date-Received: Tue, 26-Feb-85 06:08:37 EST
Organization: NC Educational Computing Service
Lines: 9

Can anyone tell me anything about a MICRO SCI A70 disk drive?
I believe that this is a 286K drive and thus is simply a double-
sided APPLE drive. Is that correct? How about compatibility with
APPLE PASCAL and APPLE CPM (PCPI flavor)?? Are they still made?
What is a used one worth? (still in the box, used once, etc., etc.)
Thanks in advance,

Paul <egapmh@ecsvax>

From -6172800537845219617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49837e0110673946,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-19 10:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uok!
chumphre
From: chumphre@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: A neat bug in Apple DOS
Message-ID: <4500014@uok.UUCP>
Date: Tue, 19-Feb-85 13:41:00 EST
Article-I.D.: uok.4500014
Posted: Tue Feb 19 13:41:00 1985
Date-Received: Fri, 22-Feb-85 10:07:57 EST
References: <258@nmtvax.UUCP>
Lines: 24
Nf-ID: #R:nmtvax:-25800:uok:4500014:37777777600:1038
Nf-From: uok!chumphre Feb 19 12:41:00 1985

Thank you Mr. Muller for your helpful information, I have 10's of disks
with this exact problem; but since my power supply bit the bit bucket

I have no way to fix them. Could you possibly tell us netlanders how to fix a power supply? I know that you yourself have gone through several.
  It all started about 3 months ago when I flipped the switch on and nothing but garbage appeared on the screen. Eventually, the power supply would warm up enough to run my one disk drive for a few minutes; but after that few minutes the 12v output dropped too low to run the spindle and stepper motors simultaneously.
  Now it takes about 6 hours befor the computer has enough power to generate a fully synchronized video signal.
  Is there anything I can do about this other than shelling out the $45 for a power supply exchange?
  Any help would be greatly appreciated.

Jay McGinnis
...!ctvax!uokvax!uok!chumphre

P.S. The first part of this message is jokingly facetious. Also, are you still using that same old Apple II ??

From 897038399927765093
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,246b4cfb1d6fa321,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,246b4cfb1d6fa321,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-19 16:16:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site unmvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unmvax!stanly
From: stanly@unmvax.UUCP
Newsgroups: net.micro.apple,net.micro.pc
Subject: SAVVY (sorry... I got my info wrong)
Message-ID: <687@unmvax.UUCP>
Date: Tue, 19-Feb-85 19:16:57 EST
Article-I.D.: unmvax.687
Posted: Tue Feb 19 19:16:57 1985
Date-Received: Thu, 21-Feb-85 05:36:53 EST
Distribution: net
Organization: Univ. of New Mexico, Albuquerque
Lines: 15
Xref: linus net.micro.apple:1330 net.micro.pc:2965

Sorry... A few days ago I posted to the net that Excalibur went
 under. WRONG! I messed up in my info. They were only killing
 the apple part of SAVVY(and slowing down the IBM part).

A person sent me a message asking just what the status of a piece
 of software is when the owning compony goes under. Who owns the
 sources? Who about all the owners? What happens? I don't know

since Excalibur did not go under.

Send me mail . . . I L O V E mail

Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From 4553651629108955240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6da0df77a383f024
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,6da0df77a383f024
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-02-19 18:33:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!hoxna!houxm!whuxl!whuxlm!
harpo!decvax!ittvax!dcdwest!sdcsvax!sdcc3!sdcc7!ee177xar
From: ee177xar@sdcc7.UUCP (John Baylor{|stu)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Does anyone have a CORE implementation for Apple II or Mac?
Message-ID: <1365@sdcc7.UUCP>
Date: Tue, 19-Feb-85 21:33:56 EST
Article-I.D.: sdcc7.1365
Posted: Tue Feb 19 21:33:56 1985
Date-Received: Fri, 22-Feb-85 09:05:34 EST
References: <1363@sdcc7.UUCP>
Organization: U.C. San Diego, Academic Computer Center
Lines: 9
Xref: watmath net.micro.apple:1672 net.micro.mac:643

Does anyone out there know of an implementation of the CORE
graphics system for the Apple II or Macintosh? I would
appreciate a reply (if you know of an implementation) ASAP.

Thanks,
John Baylor
sdcsvax!sdcc7!ee177xar

From -1884506421250002421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,50e906d91e0c2f0d
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,50e906d91e0c2f0d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-19 21:38:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site crystal.UUCP
Path: utzoo!decvax!wanginst!ucadmus!harvard!seismo!uwvax!crystal!bill
From: bill@crystal.UUCP
Newsgroups: net.micro.apple,net.micro.mac
Subject: Re: Phone info for Apple news (L.A.)
Message-ID: <399@crystal.UUCP>
Date: Wed, 20-Feb-85 00:38:02 EST
Article-I.D.: crystal.399
Posted: Wed Feb 20 00:38:02 1985
Date-Received: Thu, 21-Feb-85 00:18:33 EST
References: <2304@randvax.UUCP>
Distribution: na
Organization: U of Wisconsin CS Dept
Lines: 32
Xref: seismo net.micro.apple:1754 net.micro.mac:657

(sacrificial line)

> A phone information service has been set up by an L.A. company called Candle
> dealing with news, rumors, and product info about Apples (including Macs).
> It's aimed at moderate- to very-experienced users, and isn't usually tutorial.
> It's a free service while they test-market the idea, so the only cost is
> toll charges (no 800 number). The phone number in L.A. is 213-687-4662.

Just tried it. I think it was aimed at my three-year-old kid. A recorded
voice said something like "5-4-3-2-1-2-3-4-5-4-3-2-1-test out",
and then I got a dial tone.

> If there's a big response they may put it up more permanently on a chargeable
> number.

They should pay ME for this garbage. Take the line down/off-hook/whatever
if the message isn't tested, and get your act together.
Great test marketing. They had better improve FAST.

    bill
    William Cox
    Computer Sciences Department
    University of Wisconsin, Madison WI
    bill@uwisc
    ...{ihnp4,seismo,allegra}!uwvax!bill

--

    William Cox
    Computer Sciences Department
    University of Wisconsin, Madison WI
    bill@uwisc
    ...{ihnp4,seismo,allegra}!uwvax!bill

From 4886392800996809126
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7837a0463c8c8dc1,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-20 05:38:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!inuxg!rowley
From: rowley@inuxg.UUCP (David Rowley)
Newsgroups: net.micro.apple
Subject: low cost **8.50** C compiler
Message-ID: <366@inuxg.UUCP>
Date: Wed, 20-Feb-85 08:38:01 EST
Article-I.D.: inuxg.366
Posted: Wed Feb 20 08:38:01 1985
Date-Received: Fri, 22-Feb-85 21:46:20 EST
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 61

i recently purchased the CC02 'C' compiler from Folksoft and have been very happy with it. the only problem is the compiler handles only integer math.

it supports commands:

```
auto     break         case     char     continue
default       do       else     extern        for
if       int      register return        static
switch        while
```

reserved for future use:

```
double        entry         float         goto     long
short         sizeof        struct        typedef       union
unsigned
```

the compiler also supports all the <stdio.h> functions (as far as i can tell) except files can only be opened for read or write and not append (but you can write a function to set the file up for append).

the complier executed the BYTE prime number bench mark in 2min 30sec as compared to 47 min for the same program in applesoft.

the complier also allows 'in line' assembly commands. you can enter #asm......#endasm to enter assembly commands in the 'C' source code.

the compiler is available from:

Folksoft
P.O. box 441
Fayetteville, NY 130666
(315) 656 -7447 cost is $38.50

you also need an assembler to use the compiler. the complier is made to work with the TOOLKIT assembler or the CALL A.P.P.L.E BIG MAC assembler.

but it can be made to work with any assemblers (but you really need to
know what you are doing to make the modifications).

i have the BIG MAC.C assembler and have found it to work very well with the
compiler. i have assembled "object code" that was 23K with no problem (and
when doing this i didn't use features of the assembler for assembling very
large programs).

the BIG MAC assembler is available from:
CALL A.P.P.L.E.
290 S.W. 43rd ST.
RENTON,WA 98055
(206) 251-5222

cost is $40 for members. the membership cost is $51 for the first year and
$26 for each year thereafter. this includes a subscription to the club
magazine and some real bargins (i think) in software.
i think paying $91 (=$40 + $51) for just the assembler is well worth the price.
this assembler is better than some 6502 assemblers i have used on
main frame computers.

dave rowley

From 807999402730916720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,437862c0bdb051cd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-20 07:43:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cornell.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!vax135!cornell!mughal
From: mughal@cornell.UUCP
Newsgroups: net.micro.apple
Subject: MICROCOMPUTER BOOKS FOR SALE: IBM, APPLE, UNIX, etc.
Message-ID: <204@cornell.UUCP>
Date: Wed, 20-Feb-85 10:43:52 EST
Article-I.D.: cornell.204
Posted: Wed Feb 20 10:43:52 1985
Date-Received: Fri, 22-Feb-85 20:10:41 EST
Sender: mughal@cornell.UUCP
Organization: Cornell Univ. CS Dept.
Lines: 105

From: mughal (Khalid Azim Mughal)

          BRAND NEW MICROCOMPUTER BOOKS FOR SALE.

         SELLING AT HALF OR LESS PUBLISHER'S PRICE!

               IBM , APPLE, UNIX, CP/M, etc.

(1) IBM PC, XT & OTHER CLONES.

1. IBM PC: AN INTRODUCTION TO THE OPERATING SYSTEM.
   BASIC PROGRAMMING & APPLICATION.
   (REVISED & ENLARGED)
   - by L.J. Goldstein & M. Goldstein.
   - $ 17.95, 392 pages, 1984.
   - sale price: $9.00

2. MS-DOS AND PS-DOS USER'S GUIDE.
   - by P. Norton.
   - $ 15.95, 266 pages, 1984.
   - sale price: $8.00

3. RUNNING MS-DOS
   - by V. Wolverton.
   - $ 19.95, 350 pages, 1984.
   - sale price: $10.00

4. MS-DOS USER'S GUIDE
   - by P. Hoffman & T. Nicoloff
   - $ 17.95, 312 pages, 1984.
   - sale price: $9.00

5. YOUR IBM PC: A GUIDE TO THE IBM PERSONAL COMPUTER
   - by L.J. Graham.
   - $ 17.95, 580 pages, 1983.
   - sale price: $9.00

6. PASCAL FOR THE IBM PC
   IBM DOS PASCAL & UCSD p-SYSTEM PASCAL
   - by K.W. Bower & S.J. Tomboulin
   - $17.95, 326 pages, 1983.
   - sale price: $9.00

(2) APPLE II, II PLUS, IIe, IIc COMPUTERS.

1. APPLE II USER'S GUIDE:
   FOR APPLE II Plus AND APPLE IIe.
   - by L. Poole, M. McNiff, S. Cook.
   - $17.95, 482 pages, 1983.
   - sale price: $9.00

2. UNDERSTANDING THE APPLE II
   - by J. Sather.
   - $22.95, ca. 200 pages, 1983.
   - sale price: $10.00

3. APPLE II GRAPHICS

FOR APPLE II AND APPLE IIe
- by K. Williams, B. Kernaghan, L. Kernaghan.
- $19.95, 188 pages, 1983.
- sale price: $10.00

4. BENEATH APPLE PRODOS
FOR USERS OF APPLE II PLUS, IIe, IIc COMPUTERS.
- by D. Worth & P. Lechner.
- $19.95, ca. 150 pages, 1984.
- sale price: $10.00

5. HOW TO PROGRAM THE APPLE II USING 6502 ASSEMBLY LANGUAGE
- by R. Hyde.
- $15.95, ca. 200 pages, 1982.
- sale price: $8.00

(3) MISC.

1. A USER GUIDE TO THE UNIX SYSTEM
- by R. Thomas & J Yates.
- $ 17.95, 508 pages, 1982.
- sale price: $6.00 (used)

2. CP/M USER GUIDE (THIRD EDITION)
- by T. Hogan.
- $17.95, 327 pages , 1984.
- sale price: $6.00

3. 6502 ASSEMBLY LANGUAGE PROGRAMMING
- by L.A. Leventhal.
- $ 18.95, ca. 600 pages, 1979.
- sale price: $5.00

4. FUNDAMENTAL OF DATA STRUCTURES
- by E. Horowitz & S. Sahni.
- $???, 564 pages, 1977.
- sale price: $8.00 (used)

CALL: (607) 257 1038 or (607) 256 8593 (ask for Mughal).

E-MAIL: mughal@CORNELL

From 8449750142308516333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159752,9d50935896d9ede1
X-Google-Attributes: gid159752,public
X-Google-Thread: 120a1f,9d50935896d9ede1
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 1622d3,9d50935896d9ede1
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-02-20 17:44:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!brl-tgr!scooper
From: scooper@brl-tgr.ARPA (Stephan Cooper)
Newsgroups: net.sources,net.wanted.sources,net.micro.apple
Subject: Re: Apple //e and //c UNIX terminal interface available
Message-ID: <8388@brl-tgr.ARPA>
Date: Wed, 20-Feb-85 20:44:06 EST
Article-I.D.: brl-tgr.8388
Posted: Wed Feb 20 20:44:06 1985
Date-Received: Tue, 26-Feb-85 05:16:48 EST
References: <1352@sdcc7.UUCP>
Organization: Ballistic Research Lab
Lines: 16
Xref: watmath net.sources:2605 net.wanted.sources:517 net.micro.apple:1686

> I have just finished writing a terminal program for the Apple //e
> and //c computers with the 80 Col card in the AUX slot.
>
> FIRSTLY:
>
> Does anyone want this?

YES

You said a while back that you had a source for an Apple //e
terminal interface program. What ever became of this? I, for one,
would surely like such a utility. How can I get hold of these sources?

Thanks

From -5022921759806963997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-20 19:50:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site aicchi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!aicchi!joeloda
From: joeloda@aicchi.UUCP (Joseph D. Loda)
Newsgroups: net.micro.apple
Subject: Undocumented 6502 Opcodes
Message-ID: <376@aicchi.UUCP>
Date: Wed, 20-Feb-85 22:50:52 EST
Article-I.D.: aicchi.376
Posted: Wed Feb 20 22:50:52 1985
Date-Received: Fri, 22-Feb-85 09:51:42 EST
Distribution: net

Organization: Analysts International Corp; Chicago Branch
Lines: 17

Does anyone out there have a listing of undocumented 6502 opcodes? From
talking to several people, I have discovered:

  - That these opcodes function differently depending upon the chip
    manufacturer.

  - That some issue of "Compute" magazine had a listing of these at some
    point in time.

Many thanks in advance; I'll sleep better with one more curiousity
satisfied :-).

--
Joe Loda
Analysts International (Chicago Branch)
(312) 882-4673
..!ihnp4!aicchi!joeloda

From 510701495901057783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8858a34976c1a3a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-21 05:44:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!houxm!ahuta!houxt!mlr1
From: mlr1@houxt.UUCP (M.ROBINS)
Newsgroups: net.micro.apple
Subject: Apple Lisa Twiggy Disks
Message-ID: <517@houxt.UUCP>
Date: Thu, 21-Feb-85 08:44:08 EST
Article-I.D.: houxt.517
Posted: Thu Feb 21 08:44:08 1985
Date-Received: Tue, 26-Feb-85 04:08:06 EST
Organization: AT&T Information Systems, Holmdel NJ
Lines: 7

I have 20 brand-new 5 1/4" Twiggy disks that I would like
to get rid of for a small cost. If there is anyone out there
that is interested, please send me mail.

                    Mike Robins
                    houxt!mlr1

From 7812373289639194918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,437862c0bdb051cd

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-21 10:24:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: MICROCOMPUTER BOOKS FOR SALE: IBM, APPLE, UNIX, etc.
Message-ID: <8416@brl-tgr.ARPA>
Date: Thu, 21-Feb-85 13:24:39 EST
Article-I.D.: brl-tgr.8416
Posted: Thu Feb 21 13:24:39 1985
Date-Received: Tue, 26-Feb-85 06:45:28 EST
References: <204@cornell.UUCP>
Organization: Ballistic Research Lab
Lines: 4

> BRAND NEW MICROCOMPUTER BOOKS FOR SALE.
> E-MAIL: mughal@CORNELL

Please do not use this newsgroup nor the Arpanet for such commercials.

From 9005820672897368079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c75ccd2bce64cf2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-21 14:49:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!harpo!
decvax!genrad!panda!talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Apple//e termcap anyone?
Message-ID: <8431@brl-tgr.ARPA>
Date: Thu, 21-Feb-85 17:49:25 EST
Article-I.D.: brl-tgr.8431
Posted: Thu Feb 21 17:49:25 1985
Date-Received: Tue, 26-Feb-85 07:15:18 EST
References: <4500013@uok.UUCP>
Organization: Ballistic Research Lab
Lines: 9

> I would really appreciate any info about //e termcaps.

I post one every once in a while (last time was a couple of days ago).
Generally, you either use the raw Apple //e 80-column extended ROM,
which is not very satisfactory, or firmware built into some other
vendor's 80-column card, or a software terminal emulator program,
which often includes telecommunications and file transfer features.
Most such terminal emulators work with a termcap for a well-known

terminal type such as VT100.

From 4858501040420537622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-21 17:30:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxl!whuxlm!harpo!
decvax!genrad!mit-eddie!godot!harvard!seismo!umcp-cs!cvl!liang
From: liang@cvl.UUCP (Eli Liang)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <74@cvl.UUCP>
Date: Thu, 21-Feb-85 20:30:39 EST
Article-I.D.: cvl.74
Posted: Thu Feb 21 20:30:39 1985
Date-Received: Tue, 26-Feb-85 07:25:46 EST
References: <376@aicchi.UUCP>
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 45

> Does anyone out there have a listing of undocumented 6502 opcodes? From
> talking to several people, I have discovered:
>
>   - That these opcodes function differently depending upon the chip
>   manufacturer.
>
>   - That some issue of "Compute" magazine had a listing of these at some
>   point in time.
>
> Many thanks in advance; I'll sleep better with one more curiousity
> satisfied :-).
>
> --
> Joe Loda
> Analysts International (Chicago Branch)
> (312) 882-4673
> ..!ihnp4!aicchi!joeloda

There is a back issue of Byte which also mentioned the undocumented opcodes.

The wierdest opcode yet though is one a friend told me about. It may be
apochryphal so I think I will disclaim it right off. Supposedly, the
original 6502 had an undocumented test instruction (one of the x2H opcodes,
I think it was 12H) which would tie up the cpu and run internal checks on the
processor such as run through the address/data lines lightning fast, until it
was reset or a NMI occurred. Well, this testing had a nasty side effect....
The chips would get so hot doing this that after it was let run for a few
hours, the chip would either just fail, or every long once in a while

something catastrophic would happen and the chip would start smoking or actually catch on fire! It was thus descriptively named the HCF (Hold and Catch Fire) instruction. Supposedly, the Source or Compuserve had a 3 part article a few years ago describing this fascinating instruction. Perhaps there is someone on the net who worked on the design of the 6502 and could affirm or deny, once and for all whether the HCF instruction has ever existed or exists.

-eli

--

~~~~~~
Eli Liang ---
        University of Maryland Computer Vision Lab, (301) 454-4526
        ARPA: liang@cvl, eli@mit-mc, eli@mit-prep CSNET: liang@cvl
        UUCP: {seismo,rlgvax,allegra,brl-bmd,nrl-css}!umcp-cs!cvl!liang

From 6394553642536536658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49837e0110673946
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-21 19:29:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!cdshaw
From: cdshaw@watrose.UUCP (Chris Shaw)
Newsgroups: net.micro.apple
Subject: Re: Power supply dead
Message-ID: <7299@watrose.UUCP>
Date: Thu, 21-Feb-85 22:29:28 EST
Article-I.D.: watrose.7299
Posted: Thu Feb 21 22:29:28 1985
Date-Received: Fri, 22-Feb-85 21:13:15 EST
References: <258@nmtvax.UUCP> <4500014@uok.UUCP>
Reply-To: cdshaw@watrose.UUCP (Chris Shaw)
Organization: U of Waterloo, Ontario
Lines: 6
Summary: Fix IT !!

My advice to you (the guy with the dead power supply) is to pay the $45
or don't turn your apple on any more... There's no telling what
kind of chips/disk components you could kill/maim.

Sincerely (assuming you were)
Chris Shaw

From 1906598138574992679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d40f1ad31fbf4ebc,start
X-Google-Attributes: gid1622d3,public
~~~~~~

X-Google-ArrivalTime: 1985-02-22 06:15:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/17/84; site hlexa.UUCP
Path: utzoo!decvax!bellcore!allegra!ulysses!mhuxr!ihnp4!hlexa!smq
From: smq@hlexa.UUCP (Steven M. Queriolo)
Newsgroups: net.micro.apple
Subject: Apple //c Questions
Message-ID: <4033@hlexa.UUCP>
Date: Fri, 22-Feb-85 09:15:39 EST
Article-I.D.: hlexa.4033
Posted: Fri Feb 22 09:15:39 1985
Date-Received: Sat, 23-Feb-85 04:57:59 EST
Distribution: na
Organization: AT&T Bell Laboratories
Lines: 41

Software and Hardware advice needed for Apple //c

A close friend just received an Apple //c as a present and now has come to me for advice. After having boasted about the virtues of C, he is not content with Basic and desires a C compiler. In addition, he will probably need a printer (although I believe he had an Epson from his old Commodore-64 days).

Wanted Advice on the following:

C Compiler — Should be low cost, fairly complete, able to talk to the printer port. In addition, it should generate native code that can be run without the compiler or assembler. It should also run under the built in DOS and not require its own DOS.

Printer — Type of interface?, if he has the Epson, is that OK? What about the Apple printer(s)? Are there any major advantages to Apple printers over others?

Editor — Is the one that comes with the //c OK? Does one come with the Compiler(?) what is the best?

Like most of us, he is on a budget, so price *IS* a consideration.

As you can probably tell, I have no experience with Apple and would not like to suggest something inappropriate; that is why I posted here. I'm reasonably sure that there is at least one person in this group that already has a //c configured just this way.

Again, the net would prefer that you mail responses directly to me, I will summarize to the net shortly.

Thanx...

- Steven M. Queriolo - AT&T Bell Laboratories - ...ihnp4!hlexa!smq -

--

- Steven M. Queriolo - AT&T Bell Laboratories - ...ihnp4!hlexa!smq -

From -9684790744891834 59
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,933ba07e5d58f6a5,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,933ba07e5d58f6a5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-22 08:04:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple,net.games
Subject: Wizardry III disk storage map
Message-ID: <11608@watmath.UUCP>
Date: Fri, 22-Feb-85 11:04:27 EST
Article-I.D.: watmath.11608
Posted: Fri Feb 22 11:04:27 1985
Date-Received: Tue, 26-Feb-85 06:20:19 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 24
Xref: watmath net.micro.apple:1689 net.games:1650

Help, I was playing Wizardry III, when my party of one good lord, and one good samurai, turned into one good lord, and one EVIL sam. both in one party! well, now having an evil character of level 7 I tried to go to level three from level one, and before when it just sent me to the castle, now permitted me to venture up. Much to my dismay, I met some men in arms, and women in robes, and promptly died!

I am now wanting to cheat a little, by restoring the status bit on my back up disk. However, since I don't have a boltac's mail order catalog for the third scenario, I will have to do it by hand.

Does anyone know the location, in track,sector, and bit number of all the attributes of a character? Even some of them would help. Thanks alot,
Lord Beirnes and Fig2 will thank you.

Andrew Rahme.
hardware@watmath
University of Waterloo
Waterloo Ontario
Canada.

From -1002382402255058060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b443afc11d323ed9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-22 10:29:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcsstat!anthony
From: anthony@utcsstat.UUCP (Anthony Ayiomamitis)
Newsgroups: net.micro.apple
Subject: IIe + AE problems
Message-ID: <2166@utcsstat.UUCP>
Date: Fri, 22-Feb-85 13:29:45 EST
Article-I.D.: utcsstat.2166
Posted: Fri Feb 22 13:29:45 1985
Date-Received: Fri, 22-Feb-85 14:25:33 EST
Organization: U. of Toronto, Canada
Lines: 20

I am looking for some help on a problem a friend is experiencing. She has a IIe with an extended 80-column card and is encountering difficulties in running Ascii Express in half-duplex mode. Once she establishes communication with the host computer and interacts for about 30 seconds, her monitor "freezes" and the communications software hangs.

Any possible solutions would be much appreciated. Many thanks in advance.

--

Anthony Ayiomamitis
Dept Prev Medicine & Biostatistics
Faculty of Medicine
University of Toronto
Toronto, Canada M5S 2T1

{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!anthony
{ihnp4|decvax|utzoo|utcsrgv}!utcs!utzoo!utcsstat!anthony

From -6307681097652106579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c75ccd2bce64cf2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-22 10:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucuxc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!rcook
From: rcook@uiucuxc.UUCP
Newsgroups: net.micro.apple

Subject: Re: Apple//e termcap anyone?
Message-ID: <23600016@uiucuxc.UUCP>
Date: Fri, 22-Feb-85 13:48:00 EST
Article-I.D.: uiucuxc.23600016
Posted: Fri Feb 22 13:48:00 1985
Date-Received: Tue, 26-Feb-85 07:35:40 EST
References: <4500013@uok.UUCP>
Lines: 9
Nf-ID: #R:uok:4500013:uiucuxc:23600016:000:290
Nf-From: uiucuxc!rcook   Feb 22 12:48:00 1985

```
ab|apple2e|Apple //e:\
        :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
        :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
        :sr=^V:up=^_:\
        :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
        :cm=^^%r%+ %+ :tc=apple2e:
```

From -2331233687655043647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,9d50935896d9ede1
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 159752,9d50935896d9ede1
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,9d50935896d9ede1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-22 15:42:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site bnl.UUCP
Path: utzoo!linus!philabs!sbcs!bnl!davison
From: davison@bnl.UUCP (Dan Davison)
Newsgroups: net.sources,net.wanted.sources,net.micro.apple
Subject: Re: Apple //e and //c UNIX terminal interface available
Message-ID: <884@bnl.UUCP>
Date: Fri, 22-Feb-85 18:42:03 EST
Article-I.D.: bnl.884
Posted: Fri Feb 22 18:42:03 1985
Date-Received: Sun, 24-Feb-85 01:22:47 EST
References: <1352@sdcc7.UUCP> <8388@brl-tgr.ARPA>
Lines: 22
Xref: linus net.sources:2252 net.wanted.sources:463 net.micro.apple:1336

> > I have just finished writing a terminal program for the Apple //e
> > and //c computers with the 80 Col card in the AUX slot.
> >
> > FIRSTLY:
> >
> > Does anyone want this?
>

> YES
>
>
>
> You said a while back that you had a source for an Apple //e
> terminal interface program. What ever became of this? I, for one,
> would surely like such a utility. How can I get hold of these sources?
>
> Thanks

*** REPLACE THIS LINE WITH YOUR MESSAGE ***
add me to the list: thanks.
dan davison
davison@bnl.arpa, .bitnet
...decvax!philabs!sbcs!bnl!davison

From 1614294247207283837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-24 03:15:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watrose.UUCP
Path: utzoo!watmath!watrose!cdshaw
From: cdshaw@watrose.UUCP (Chris Shaw)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <7307@watrose.UUCP>
Date: Sun, 24-Feb-85 06:15:30 EST
Article-I.D.: watrose.7307
Posted: Sun Feb 24 06:15:30 1985
Date-Received: Wed, 27-Feb-85 03:06:04 EST
References: <376@aicchi.UUCP> <74@cvl.UUCP>
Reply-To: cdshaw@watrose.UUCP (Chris Shaw)
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 11

The HCF instruction actually did exist in the early version of the Motorola
6800. This "instruction" was undocumented, as well, but I read an article
in an ancient BYTE (1978 or so) that documented the undocumented goodies
of 6800, and this was one of the instructions.

It doesn't strike me as too likely that HCF could have occurred on 2
processors, and given reputations of all the CPU makers around I would vote
Motorola as being most likely to screw up like this.

Chris Shaw

From 7708589761651335504

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff9466ae61f869c9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-25 10:28:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!houxm!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Can Macintosh talk LIF and HP-IB?
Message-ID: <296@ssc-bee.UUCP>
Date: Mon, 25-Feb-85 13:28:27 EST
Article-I.D.: ssc-bee.296
Posted: Mon Feb 25 13:28:27 1985
Date-Received: Wed, 27-Feb-85 20:34:10 EST
References: <8100001@hpfcma.UUCP>
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 12

An IEEE 488 bus controller, the Mac488, is available
from I.O. tech, Inc.,
P.O. Box 21204
Cleveland, OH 44121
(216) 831-8646

They have an ad on pg. 66 of EETimes, Feb. 18.

--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -4794583150706092765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0fb932347268f74,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-25 14:27:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ellie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!rochester!rocksvax!rocksanne!sunybcs!ellie!uglahren
From: uglahren@ellie.UUCP (James A. Lahren)
Newsgroups: net.micro.apple
Subject: 16 bit 6502 for apple... when????
Message-ID: <323@ellie.UUCP>
Date: Mon, 25-Feb-85 17:27:58 EST
Article-I.D.: ellie.323
Posted: Mon Feb 25 17:27:58 1985
Date-Received: Fri, 1-Mar-85 07:49:01 EST
Distribution: net
Organization: State University of New York @ Buffalo,NY

Lines: 14

I haven't seen this addressed yet so here goes...
Does anyone in net land want to second guess apple
and prophesize when apple might get smart enough
to start selling the IIE and IIC with a 16 bit
CPU ??????

It seems to me that if they don't, the II family will
not be able to compete with upstarts like Atari's new
and much hyped 68000 line....

Any comments????

-jim lahren

From 5476522834436362757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a08e5f1455088fb7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-25 19:56:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!umcp-cs!cvl!gyuri
From: gyuri@cvl.UUCP (Gyorgy Fekete)
Newsgroups: net.micro.apple
Subject: Manx's ProDOS C
Message-ID: <92@cvl.UUCP>
Date: Mon, 25-Feb-85 22:56:30 EST
Article-I.D.: cvl.92
Posted: Mon Feb 25 22:56:30 1985
Date-Received: Fri, 1-Mar-85 07:42:52 EST
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 14

I just talked with MANX. They said they will be taking orders for version
1.06 which includes better runtime support libraries and support for ProDOS.
They will start taking orders in four weeks, and ship them in about six on a
first-order first-shipped basis.

They are also working on the version for Atari's and Commodore's answer to
the Macintosh (StXXX and Omega sorry, but I don't remember the names of
these Macalikes). After having the Mac version of C working, the port to the
macalikes takes less than three weeks, or so they claim. They also say that
these versions of ACCS will be ready by the time the mahines hit the market.

gyuri@cvl.arpa
..!seismo!umcp-cs!cvl!gyuri (I think)

From -8152950193816326426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d1baf43c5b1d1e8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-26 07:35:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: No MACs Please!!
Message-ID: <11660@watmath.UUCP>
Date: Tue, 26-Feb-85 10:35:11 EST
Article-I.D.: watmath.11660
Posted: Tue Feb 26 10:35:11 1985
Date-Received: Wed, 27-Feb-85 20:44:29 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 12

To all those who like posting things revelant to Macs only, you have
your own newsgroup, so please use that one.

I do not have a Mac, I have a IIe, and want to read about it, not the Mac.
If I wanted to read about the Mac, I would have joined the Mac newsgroup.

Thanks for your co-operation in keeping this an apple news group, and the
Mac news group for Mac postings.

Andrew Rahme

From 5156005554078869033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-26 08:41:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcrdcf.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!pesnta!hplabs!sdcrdcf!darrelj
From: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes (HCF)
Message-ID: <1788@sdcrdcf.UUCP>
Date: Tue, 26-Feb-85 11:41:42 EST
Article-I.D.: sdcrdcf.1788
Posted: Tue Feb 26 11:41:42 1985
Date-Received: Fri, 1-Mar-85 20:15:10 EST
References: <376@aicchi.UUCP> <74@cvl.UUCP>
Reply-To: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Distribution: net

Organization: System Development Corp. R+D, Santa Monica
Lines: 17
Summary:

Opcodes like HCF (halt and catch fire) go back far farther than the 6502.
I've seen this on lists of bogus op codes 15 years ago and were old then.
The majority of them date from the days of the first mass produced computers
(i.e. hundreds rather than a few hand-built copies) where assembler was the
only way and the machines were full of ideosyncrasies in efficient
operation--like the 1401 which had an opcode to read a card, punch a card
and print a line simultaneously, in part because the machine had no
interrupts.
--
Darrel J. Van Buer, PhD
System Development Corp.
2500 Colorado Ave
Santa Monica, CA 90406
(213)820-4111 x5449
...{allegra,burdvax,cbosgd,hplabs,ihnp4,orstcs,sdcsvax,ucla-cs,akgua}
!sdcrdcf!darrelj
VANBUER@USC-ECL.ARPA

From -7913582258276883603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c69f96bb09a95214,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-26 10:23:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: parameters needed for Amazon and F451
Message-ID: <11666@watmath.UUCP>
Date: Tue, 26-Feb-85 13:23:06 EST
Article-I.D.: watmath.11666
Posted: Tue Feb 26 13:23:06 1985
Date-Received: Wed, 27-Feb-85 20:45:26 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 18

I have just bought two new adventure games, Amazon and Farenheit 451,
by Trillium software. They are great games, four sides each, a mixture of
text and hi-res, and a big pharser (not as big as Infocoms, but big.)

I would like to back them up, although there is no writing to the disk,
I feel as though one side is going to go if I don't back them up.

Does anyone know the parms for them using Locksmith, Nibbles Away II,
E.D.D., or Copy II + ? If you do, please either leave me mail, or post

them for others to use also.

Thanks,
Andrew Rahme.
reply to: hardware@watmath
University of Waterloo
Waterloo Ontario

From -1234480854499503066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,921ebf795d9831c9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-26 14:23:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site burl.UUCP
Path: utzoo!watmath!clyde!burl!geoff
From: geoff@burl.UUCP (geoff)
Newsgroups: net.micro.apple
Subject: seeking on an Apple IIe
Message-ID: <646@burl.UUCP>
Date: Tue, 26-Feb-85 17:23:15 EST
Article-I.D.: burl.646
Posted: Tue Feb 26 17:23:15 1985
Date-Received: Wed, 27-Feb-85 20:54:45 EST
Distribution: net
Organization: AT&T Technologies, Burlington NC
Lines: 19

I have been trying to get some information on how to communicate directly
with my disk drives. I found one very good book called 'Beneath Apple Dos'
which tells most of the gory details. It gives all the right locations to
punch to do reads and writes, and even gives examples of code which will
perform the writes in the required 32 cycles/byte. However, when they get
to seeking to a given track, all they say is that turning the arm stepper
motor phases on in sequence from 1-4 moves it one way and 4-1 it moves it the
other. It then says that the timing of these phases is critical and they
recommend using rwts to do it. Period. NO indication of what is critical,
how long the phases must be on and off, and so forth. (If rwts can do it
consistently, it can't be that damned difficult!!).
I want to be able to run completely stand-alone, without DOS in the system
at all (this makes calling rwts rather difficult). Has anyone out there had
any experience with this (or just knows the magik numbers?).

thanks, all,

geoff sherwood
burl!geoff

From 4059775786481568432
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,6e11a2735d142252,start

X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,6e11a2735d142252,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,6e11a2735d142252,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1985-02-26 20:44:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!panda!talcott!
harvard!seismo!rochester!ritcv!jxf6805
From: jxf6805@ritcv.UUCP (J Froehlich)
Newsgroups: net.micro.mac,net.lang.c,net.micro.apple
Subject: ATTN: MEGAMAX C LOVERS V2.0
Message-ID: <1560@ritcv.UUCP>
Date: Tue, 26-Feb-85 23:44:56 EST
Article-I.D.: ritcv.1560
Posted: Tue Feb 26 23:44:56 1985
Date-Received: Fri, 1-Mar-85 20:45:18 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 8
Xref: watmath net.micro.mac:692 net.lang.c:4563 net.micro.apple:1709

My apologies to the entire net community and in particular to the folks at
Megamax! In all honesty, I did not realize that this request was improper.
I am new to the net and obviously ignorant of its purpose. Ironically, the
very day following my initial posting I did in fact order the software in
question through a local dealer and am anxiously awaiting its arrival. I am
not making excuses or trying to cover up, merely acknowledging the fact that
my request was out of line and I can assure you nothing of this sort will
ever happen again!

From -8783925828167764581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8d9b58113db210f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-26 21:32:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: PRODOS 1.1.1
Message-ID: <499@sftig.UUCP>
Date: Wed, 27-Feb-85 00:32:00 EST
Article-I.D.: sftig.499
Posted: Wed Feb 27 00:32:00 1985
Date-Received: Thu, 28-Feb-85 13:07:35 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 25

I just received the update disk for prodos 1.1.1. It contains new
prodos system, new filer, and new basic.system (I think -- I cant take
a catalog of it right now, because I'm using my apple IIe in terminal
mode to type this right now!) But I didn't get any hardcopy
documentation with it. (Not needed to apply the update, just boot the
disk and it tells you what to do.) The salesman at my local computer
store (Which was giving copies of the update disk away free to anybody
who walked in off the street.) said that they had not gotten anything
describing it either. (Believe that and I have a bridge I would like
to have you look at...) In any case, he couldn't give me any idea of
what bugs were supposedly fixed, or why I should want it except that
it was 'better'. (You know the story!)

So my question to the net is --

Does anybody know anything about this release? Does it have any new
features? What bugs does it fix? What new bugs does it introduce?
Are there any 'gotchas' that I should know about before I try to use
it for production work?

Mail to me and I will collate responses, if any.

Rick Thomas
{almost any backbone site, especially ihnp4, akgua or decvax}!attunix!rbt
Phone (201)-522-6062

From 6118897516009882383
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e10e2addb57ed2ba
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 00:38:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!genrad!mit-
eddie!godot!ima!zurton!devoz
From: devoz@zurton.UUCP
Newsgroups: net.micro.apple
Subject: Re: Undocumented 6502 Opcodes
Message-ID: <9@zurton.UUCP>
Date: Wed, 27-Feb-85 03:38:46 EST
Article-I.D.: zurton.9
Posted: Wed Feb 27 03:38:46 1985
Date-Received: Sun, 3-Mar-85 05:33:03 EST
Lines: 31
Nf-ID: #R:aicchi:-37600:zurton:5800001:000:1021
Nf-From: zurton!devoz   Feb 24 13:05:00 1985

> I wouldn't put much stock in a HCF instruction, considering
> the VAST number of 6502 based machines.

Think about it. With the amount of "hacking" done on these, surely large numbers would have accidently executed HCF instructions and burst into flames. (hee hee hee).

I do support the theory that there may be an instruction, or types of instructions, that, when executed, causes a Degradation of the Instruction Set, killing off many instructions, and maiming others.

If you program in 6502 you know exactly what I mean.

A sample of Destructive Op Codes:

DHXI - Destroy Half of the X Index register
DHYI - Destroy Half of the Y Index register
AWID - Always Wander Into Decimal mode

There are more. Supposedly during chip testing of the first few million devices, the original manufacturer wrongly executed these instructions, limiting the power of the 6502 forever, or until the 65816 arrives. (Ahhhh, the price of compatibility).

ddddddddeeeeeeeevvvvvvvvvooooooooozzzzzzzzzz

From -1181432059368417578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1317701a3191dbc0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 05:43:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site watmath.UUCP
Path: utzoo!watmath!hardware
From: hardware@watmath.UUCP (MFCF Hardware Lab)
Newsgroups: net.micro.apple
Subject: Prodos 1.1.1   BEWARE !!!!!!
Message-ID: <11689@watmath.UUCP>
Date: Wed, 27-Feb-85 08:43:34 EST
Article-I.D.: watmath.11689
Posted: Wed Feb 27 08:43:34 1985
Date-Received: Thu, 28-Feb-85 20:28:42 EST
Distribution: net
Organization: U of Waterloo, Ontario
Lines: 13

I recently did some trading of software with someone I met through a bbs in michigan. All of the prodos disks he gave me were Prodos 1.1.1 This is a bit strange since there was no visible difference, and that he had it on all of his disks, not one had 1.0.1, or whatever the first version was. Upon talking to a local computer hack, we came to the conclusion that all

this guy did was change two bytes on the disk so that it said 1.1.1
I think this guy did this to say that he had the latest Prodos, and was
glory seeking of sorts. To those who get the 'new' Prodos, beware that
this has happened to me, and Unless it has an Apple sticker on it, it may
not be true.

From -3181548424976481507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,a1a78217f7adffbb,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 12da6b,a1a78217f7adffbb,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 129c11,a1a78217f7adffbb,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a1a78217f7adffbb,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,a1a78217f7adffbb,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1985-02-27 08:57:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!ittvax!
dcdwest!sdcsvax!sdcc3!sdcc6!ix255
From: ix255@sdcc6.UUCP (John Antypas @ UC San Diego)
Newsgroups: net.micro,net.micro.cpm,net.lang.c,net.lang.pascal,net.micro.apple
Subject: Curve Plotter for Diablo?
Message-ID: <1933@sdcc6.UUCP>
Date: Wed, 27-Feb-85 11:57:47 EST
Article-I.D.: sdcc6.1933
Posted: Wed Feb 27 11:57:47 1985
Date-Received: Fri, 1-Mar-85 20:45:36 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 18
Xref: watmath net.micro:9536 net.micro.cpm:3637 net.lang.c:4564
net.lang.pascal:257 net.micro.apple:1710

Does anyone out there, have, in any language (high level), for any
computer, a program which will do simple two dimensional curves on a
Diablo printer. I type lots of lab reports and am tired of plotting
curves by hand. I have seen that Diablos can do simple graphics,
that's all I want. The ability to read in say four sets of X,Y data
points into the same graph would be nice. Any help in the area would
be most appreciated. BitGraphics and Character Graphics programs are
both quite acceptable.

Greg L. Hartzog {Posted via friend}

...!ucbvax!ucdavis!u566654244ea
...!{ucbvax,ihnp4,noscvax}!sdcsvax!sdcc6!ix255

ARPA: ucdavis!u566654244ea@Berkeley
      sdcsvax!sdcc6!ix255@{Berkeley,Nosc}

Bell: 619 455 0255

From 3648927483267314044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22373ea72af084d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 13:45:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 exptools; site ihu1e.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!hoxna!houxm!ihnp4!ihu1e!
jgpo
From: jgpo@ihu1e.UUCP (John, KA9MNK)
Newsgroups: net.micro.apple
Subject: Beneath Apple DOS
Message-ID: <400@ihu1e.UUCP>
Date: Wed, 27-Feb-85 16:45:03 EST
Article-I.D.: ihu1e.400
Posted: Wed Feb 27 16:45:03 1985
Date-Received: Fri, 1-Mar-85 07:11:32 EST
Distribution: net
Organization: AT&T Bell Laboratories
Lines: 12

Is the book *Beneath Apple DOS* still in print? I found a copy a couple
of years ago, but didn't buy it (alas). Now that I know it's an essential
part of any true hacker's professional library, I can't seem to find it.
Could someone tell me if it's still available, the ISBN number, and the
publisher's name and address? Thanks.

John Opalko
AT&T Bell Labs
Naperville, IL
...!ihnp4!ihu1e!jgpo

From -7104688075323399584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4559e739da56fda,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 15:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site acf4.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!panda!
talcott!harvard!seismo!cmcl2!acf4!dlm9068
From: dlm9068@acf4.UUCP (don mikkelsen)
Newsgroups: net.micro.apple
Subject: synthesizer software
Message-ID: <980002@acf4.UUCP>
Date: Wed, 27-Feb-85 18:26:00 EST

Article-I.D.: acf4.980002
Posted: Wed Feb 27 18:26:00 1985
Date-Received: Sat, 2-Mar-85 04:03:05 EST
Organization: New York University
Lines: 18

I am interested in interfacing a synthesizer (probably a DX7) to a computer (IIe, PC etc.). I am beginning to understand what I need to do hardware-wise, I am still confused as to what software is available currently, and of what it is capable.

How many tracks can I control? How many voices can be controlled simultaneously on an instrument such as the DX7, and to what degree of independence? How versatile are these programs musically? Is there a void here software-wise?

I appreciate any response,

Don

/* ---------- */

From -9047352652430067372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,68e15731077fafed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 16:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.14 $; site umn-cs.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!stolaf!umn-cs!kdoshi
From: kdoshi@umn-cs.UUCP
Newsgroups: net.micro.apple
Subject: Mac stuff on an Apple //e?
Message-ID: <7100002@umn-cs.UUCP>
Date: Wed, 27-Feb-85 19:08:00 EST
Article-I.D.: umn-cs.7100002
Posted: Wed Feb 27 19:08:00 1985
Date-Received: Mon, 4-Mar-85 08:28:46 EST
Lines: 12
Nf-ID: #N:umn-cs:7100002:000:302
Nf-From: umn-cs!kdoshi Feb 27 18:08:00 1985

Would anyone out there know if there is software available
that can emulate "macwrite" and "macpaint" and other "Mac's"
stuff on an Apple //e?
If so, could you tell me where it is available commercially
and the prices if possible.

Thanks in advance,

Kunjal Doshi
University of Minnesota

From -2231577133810169804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e0fb932347268f74
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-27 17:35:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!decwrl!sun!dgh
From: dgh@sun.uucp (David Hough)
Newsgroups: net.micro.apple
Subject: Re: 16 bit 6502 for apple... when????
Message-ID: <2015@sun.uucp>
Date: Wed, 27-Feb-85 20:35:05 EST
Article-I.D.: sun.2015
Posted: Wed Feb 27 20:35:05 1985
Date-Received: Sat, 2-Mar-85 03:21:33 EST
References: <323@ellie.UUCP>
Reply-To: dgh@sun.UUCP (David Hough)
Distribution: net
Organization: Sun Microsystems, Inc.
Lines: 21
Summary:

In article <323@ellie.UUCP> uglahren@ellie.UUCP (James A. Lahren) writes:
>
>   Does anyone in net land want to second guess apple
>   and prophesize when apple might get smart enough
>   to start selling the IIE and IIC with a 16 bit
>   CPU ??????
>
>   It seems to me that if they don't, the II family will
>   not be able to compete with upstarts like Atari's new
>   and much hyped 68000 line....
>

The problem for Apple is its own products competing against each other.
From a consumer marketing point of view there is no point upgrading the Apple
][to compete effectively with the Macintosh which is a far more profitable
product.

Welcome to the world of consumer marketing...

David Hough

From -1575016514343535048

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,e75d0fdcfd0a74ad,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,e75d0fdcfd0a74ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 05:44:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site bunker.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!ittvax!bunker!pop
From: pop@bunker.UUCP (Paul Pederson)
Newsgroups: net.micro.apple,net.games
Subject: Ultima III questions
Message-ID: <736@bunker.UUCP>
Date: Thu, 28-Feb-85 08:44:56 EST
Article-I.D.: bunker.736
Posted: Thu Feb 28 08:44:56 1985
Date-Received: Sat, 2-Mar-85 04:09:17 EST
References: none
Distribution: net
Organization: Bunker Ramo, Trumbull Ct
Lines: 32
Xref: watmath net.micro.apple:1713 net.games:1667

I've been playing Ultima III on my Apple II- off and on for about 8 months now. The characters in the group are around 20th level and all have the mark of fire and will soon have the mark of power.

Does anyone know where to find the Mark of the King? Supposedly, once a character has the mark of the king, his hit points can be raised beyond 550. It would be nice for my characters to have more than 550 hit points each.

Where is Exodus? I've heard that Exodus is actually a computer with slots which you put 'cards' into, but where are the cards and what are the consequences of putting the cards into Exodus?

I've found the temples in the underworld where characters can raise characteristic points (intelligence, strength, etc), but is there anything ele down there worth looking for?

What are some of the 'other' commands? I've discovered only one useful 'other' command thus far -- bribe -- which is useful getting around guards at a gate or stopping one from attacking you.

I've heard there is a treasure room in Lord British's castle. Is it worth going into? I haven't found it yet because I think it is protected by the power field next to the healer's room.

Is there some other, easier way to get rich quick than to invade the treasure room in Death Gulch?

Answers to these questions and other helpful information will be greatly appreciated. If you would just like to exchange information, drop me a line via e-mail and maybe we can trade notes!

-Paul O. Pederson (somewhere in Connecticut)

From 1888517623533046116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,4317487fa3aae0cf,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,4317487fa3aae0cf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-02-28 09:13:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucsfcgl.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mhuxj!mhuxr!ulysses!allegra!bellcore!
decvax!ucbvax!ucsfcgl!harrison
From: harrison@ucsfcgl.UUCP (Peter Harrison%MIS)
Newsgroups: net.micro.cpm,net.micro.apple
Subject: Supercalc tax templates: does anyone have 1984 version?
Message-ID: <456@ucsfcgl.UUCP>
Date: Thu, 28-Feb-85 12:13:30 EST
Article-I.D.: ucsfcgl.456
Posted: Thu Feb 28 12:13:30 1985
Date-Received: Mon, 4-Mar-85 04:54:28 EST
Organization: UCSF Computer Graphics Lab
Lines: 13
Xref: watmath net.micro.cpm:3673 net.micro.apple:1718

I used the 1983 version that a friend got from a bulletin board.
Does anyone have the new ones? I will gladly mail a disk and postage
to you, or perhaps post them in net.sources?

Peter Harrison
UUCP: ucbvax!ucsfcgl!harrison
      ucbvax!ucsfmis!harrison
ARPA: ucsfcgl!harrison@berkeley.arpa
      ucsfmis!harrison@berkeley.arpa
Phone: (415) 921-5060
US Post: 22 Terra Vista, #A2, San Francisco, CA 95115 or
         A-16, UCSF, San Francisco, CA 94143

From -5881205304228151715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31a76928a3bd1cb4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-30 15:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uicsl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!uiucdcs!uicsl!
keller
From: keller@uicsl.UUCP
Newsgroups: net.micro.apple

Subject: Mac Rumors
Message-ID: <30500001@uicsl.UUCP>
Date: Fri, 30-Nov-84 18:55:00 EST
Article-I.D.: uicsl.30500001
Posted: Fri Nov 30 18:55:00 1984
Date-Received: Sun, 2-Dec-84 03:28:22 EST
Lines: 43
Nf-ID: #N:uicsl:30500001:000:1662
Nf-From: uicsl!keller   Nov 30 17:55:00 1984

Think

I have heard that the 512k Mac is not the real "FAT Mac" and that
the real one will be announced at the Apple annual meeting in January.
Now a rumor about that:

Apple is buying 20MByte 3.5 inch hard disks from Tandon for use in the
new version of the Macintosh.

About other things:

I haven't heard a good explanation for the continued shipment of single
sided floppy drive. Got any?

Why not a faster printer? Say, something between the Imagewriter and the
soon-to-be-announce laser printer.

The rumors that I have heard are as follows:

The January meeting will provide us with:
- a local area net
- a laser printer
- a color Mac
- hard disks for Mac
- the replacement of the Lisa series with a Mac based series

Now some things that I see as unavoidable in the future:
- a lap sized Mac with LCD display (is there a cmos 68000?)
- obvious extensions to the basic Mac that will result in something
  that looks similar to the workstation products from Sun, Apollo, etc.
  If they would just put the Mac in a package with some slots for
  plug-in boards like the Apple][they would please a lot of people.
- a Smalltalk or LISP machine (they will be forced into one of these
  because of things like TI's integrated circuit version of the MIT
  Lisp machine and because they want to be at the cutting edge)
- a much increased output from Apple's in house programming staff
  (they can't grow like they have been without developing more software)

The number one question is...

Will people still think that the Mac is special enough to buy when IBM
matches the windowing environment with software for the PC and PCAT?

From 2150434498827686819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9e96d7846e88e9ac
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-02 05:38:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadre.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!idis!cadre!geb
From: geb@cadre.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple to CP/M converter request - a pirate, perchance?
Message-ID: <97@cadre.UUCP>
Date: Sun, 2-Dec-84 08:38:33 EST
Article-I.D.: cadre.97
Posted: Sun Dec 2 08:38:33 1984
Date-Received: Tue, 4-Dec-84 06:57:14 EST
References: <74@decwrl.UUCP>, <660@ames.UUCP>
Organization: Decision Systems Lab., Univ. of Pgh.
Lines: 4

The old Microsoft CP/M cards did not have the apple dos to
cp/m conversion programs, and several public domain versions
exist, so it is improper to impugn the motives of those
requesting such versions.

From -6618839340200898575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c728fefc76dd7c5a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-03 02:19:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!zehntel!hplabs!hao!
seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: Re: request for information
Message-ID: <252@sara70.UUCP>
Date: Mon, 3-Dec-84 05:19:50 EST
Article-I.D.: sara70.252
Posted: Mon Dec 3 05:19:50 1984
Date-Received: Thu, 6-Dec-84 05:03:58 EST
References: <107@wuibc.UUCP> <22200001@iuvax.UUCP>
Organization: SARA, Amsterdam, The Netherlands
Lines: 15

This is a line-eater:

From -4072674709516314002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,315240e6f4849525,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-03 07:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site acf4.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!zehntel!hplabs!hao!
seismo!cmcl2!acf4!greenber
From: greenber@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Lisa Source needed...
Message-ID: <12500027@acf4.UUCP>
Date: Mon, 3-Dec-84 10:30:00 EST
Article-I.D.: acf4.12500027
Posted: Mon Dec 3 10:30:00 1984
Date-Received: Thu, 6-Dec-84 05:37:04 EST
Organization: New York University
Lines: 15
Nf-ID: #N:acf4:12500027:000:439
Nf-From: acf4!greenber   Dec 3 10:30:00 1984

<>

A friend of mine is busy trying to translate the Lisa Office Automation
package into a foreign language. He is in need of the following:

1) Source code for MMU (whatever that is?!?!)
2) Source code for the OA system (if available)
3) Pointers and tips regarding all of the above.

If you can help him out (he is in trouble, it appears!), please
mail to me at:

Ross M. Greenberg @ NYU ----> allegra!cmcl2!acf4!greenber <----

From -6618923055031304137
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,b7a72fe80de6040c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-03 13:35:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucla-cs.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!trwrb!trwrba!cepu!ucla-cs!lui
From: lui@ucla-cs.UUCP
Newsgroups: net.micro.apple
Subject: ASCII Express
Message-ID: <2557@ucla-cs.ARPA>
Date: Mon, 3-Dec-84 16:35:17 EST
Article-I.D.: ucla-cs.2557
Posted: Mon Dec 3 16:35:17 1984
Date-Received: Thu, 6-Dec-84 03:39:59 EST
Distribution: net
Organization: UCLA Computer Science Department
Lines: 10

I am using ASCII Express with the Apple IIc. I connected it to a Racal
Vadic VA212 modem. For some reason, all I get on the screen is garbage.
I tried modify the # of bits, parity, etc. but that doesn't seem to help.

First of all, does anyone have a similiar setup? How did you connect
the IIc port to the modem (i.e. pin to pin connections)? What settings
do you use to connect to a VAX?

--Stephen
p.s. Anybody have a manual for ASCII Express

From -7757122341843225635
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e968179549cb887d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-03 14:26:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!uchuck
From: uchuck@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Help with Wordprocessing package for][e.
Message-ID: <3529@ecsvax.UUCP>
Date: Mon, 3-Dec-84 17:26:44 EST
Article-I.D.: ecsvax.3529
Posted: Mon Dec 3 17:26:44 1984
Date-Received: Thu, 6-Dec-84 03:04:24 EST
Lines: 19

I am in the Medical Sciences Teaching Labs at UNC and we have a TV production
department which writes scripts. Theses scripts are usually in two columns
across an 80 column page(text on the left, stage directions on right). The
TV people are *not* computer programmers but are above average computer users.
Applewriter I does not meet their needs and they are looking for another

wordprocessing package with 80 column capabilities. I have experience with
IBM mainframes and PC's but am in the dark about Apple software. It would
be preferable if the software were on NC State contract and/or available at
Student Stores(UNC,NCSU). Any help would be greatly appreciated. Please
respond by e-mail as I do not subscribe to net.micro.apple(but will
read it after this date).

The Apple][e has 80 column capabilities and we wish only to buy a new
wordprocessing package not additional operating systems or hardware. We have
Apple DOS 3.3 and a C-Itoh 8510A printer.

- Chuck Bennett -
  919-966-1134
  (decvax,akqua)!mcnc!ecsvax!uchuck

From 6266559836613575586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,31a76928a3bd1cb4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-03 18:08:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadovax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!trwrb!trwrba!cadovax!keithd
From: keithd@cadovax.UUCP (Keith Doyle)
Newsgroups: net.micro.apple
Subject: Re: Mac Rumors
Message-ID: <317@cadovax.UUCP>
Date: Mon, 3-Dec-84 21:08:44 EST
Article-I.D.: cadovax.317
Posted: Mon Dec 3 21:08:44 1984
Date-Received: Thu, 6-Dec-84 03:39:17 EST
References: <30500001@uicsl.UUCP>
Organization: Contel Cado, Torrance, CA
Lines: 16

>The number one question is...

>Will people still think that the Mac is special enough to buy when IBM
>matches the windowing environment with software for the PC and PCAT?

Not unless they don't bother to provide a version that includes a parallel
hardware expansion bus for devices like D/A, A/D converters, Digital
Oscilloscope boards, co-processors and the like. In fact, if they
delivered one with a 16 bit wide bus and CPU interrupt lines, they'd
have IBM's P.C. bus beat by a mile.

Keith Doyle
{ucbvax,ihnp4,decvax}!trwrb!cadovax!keithd

"You'll PAY to know what you REALLY think!"

From 4365183061434042179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,fbabb28342010427,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,fbabb28342010427,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-04 04:58:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sfmag.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!mhuxm!sftig!sftri!sfmag!gll
From: gll@sfmag.UUCP (G.L.Lindgren)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Using MacTerminal with Non-Apple Modems
Message-ID: <458@sfmag.UUCP>
Date: Tue, 4-Dec-84 07:58:40 EST
Article-I.D.: sfmag.458
Posted: Tue Dec 4 07:58:40 1984
Date-Received: Wed, 5-Dec-84 01:28:57 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 18
Xref: watmath net.micro.mac:85 net.micro.apple:1510

Does anyone out there have any experience connecting a non-Apple modem
to the Macintosh to use with MacTerminal? I've tried several different
DB-9 to DB-25 pin layouts and several different modems and can't seem
to figure out what's going on. I'd appreciate any assistance or
direction on who I can talk to about this.

Also, if someone could send my the source for macput and macget, I'd
appreciate it.

Thank you in advance,

Gary Lindgren
AT&T Bell Laboratories
190 River Road   Room G-229
Summit, N.J. 07901

201-522-6170
btlunix!gll

From -3530544719078091955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,355776767f82ac76,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-04 15:17:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site usceast.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!dual!amdcad!decwrl!decvax!mcnc!
ncsu!ncrcae!usceast!ted

From: ted@usceast.UUCP (Ted Nolan)
Newsgroups: net.micro.apple
Subject: Cramapple info?
Message-ID: <2137@usceast.UUCP>
Date: Tue, 4-Dec-84 18:17:41 EST
Article-I.D.: usceast.2137
Posted: Tue Dec 4 18:17:41 1984
Date-Received: Thu, 6-Dec-84 07:44:38 EST
Reply-To: ted@usceast.UUCP (Ted Nolan)
Organization: Csci Dept, U of S. Carolina, Columbia
Lines: 19

I'm posting this for a friend, I will pass on replys, but would prefer they
go to ..usceast!wood

He wants to know if anyone out there has any information on something called
a Cramapple for the Apple 2. It is supposed to upgrade the size of the Drams .

Any information on exactly what it is and does for you, price ,availability,
article references , etc would be welcomed.

Thanks
Ted Nolan ..usceast!ted

--

Ted Nolan   ...decvax!mcnc!ncsu!ncrcae!usceast!ted
6536 Brookside Circle   ...akgua!usceast!ted
Columbia, SC 29206
("Deep space is my dwelling place, the stars my destination")

From -674585544144747398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd638f5327334a88,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-04 16:02:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1m.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!ihu1m!gpw
From: gpw@ihu1m.UUCP
Newsgroups: net.micro.apple
Subject: Rumor II MAC
Message-ID: <145@ihu1m.UUCP>
Date: Tue, 4-Dec-84 19:02:01 EST
Article-I.D.: ihu1m.145
Posted: Tue Dec 4 19:02:01 1984
Date-Received: Thu, 6-Dec-84 02:44:04 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 36

Let me try a few what ifs out.....

What if .. APPLE were to use the 16 bit version of the
6502 as a companion processor to the 68020 ?

What if .. They were to get ..hum.. maybe 1 meg in 64k
chips on the mother board. (substitute 256k chip if handy)

What if .. The Prodos and dos source were rewritten to allow
for 16 bit addresses?

What if the 68020 had the 'quick draw' roms available in this
single machine.

What would happen to all those MACs and IIe's out there if
this package were available for about 3000 $$US?

Now before you say I'm crazy or that this would be silly consider:

APPLE uses the integrated WOZ machine to control both the IIc and
the Mac. Whats so hard about swapping some romware electronically
to controll two types of drives. (or for that matter two drive types
under one system)

Many companies already have 68000's attached to II,II+,IIe models.
(Here I must admit that there are about 1000 of these out there max)

So what do all you APPLE people think ??

George Wilkin
AT&T Network Systems
ihnp4!ihu1m!gpw

*APPLE and MAC belong to Apple Computer
Anything I have said here is in no way the position or opinion of AT&T
(or anyone else :-))

From -6571507602422025925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 163b79,563c963960f29af,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 15f443,563c963960f29af,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,563c963960f29af,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,563c963960f29af,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-05 07:59:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site orca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!zehntel!tektronix!
orca!dickm
From: dickm@orca.UUCP

Newsgroups: net.wanted,net.micro.apple,net.micro,net.general
Subject: WANTED: HOME COMPUTER
Message-ID: <1210@orca.UUCP>
Date: Wed, 5-Dec-84 10:59:32 EST
Article-I.D.: orca.1210
Posted: Wed Dec 5 10:59:32 1984
Date-Received: Fri, 7-Dec-84 02:23:40 EST
Sender: dickm@orca.UUCP
Organization: Tektronix, Wilsonville OR
Lines: 8
Xref: watmath net.wanted:5289 net.micro.apple:1522 net.micro:8849 net.general:4150

Wanted for special Christmas gift:

Commodore 64 or Apple II (preferred) or ? - and/or accessories/peripherals;

Please contact: Dick McClelland
                 Tektronix-ECS Wilsonville
                 (503) 685-2649
                 dickm@orca

From -38947803378952864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd638f5327334a88
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-05 10:28:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Rumor II MAC (apple II upgrade?)
Message-ID: <272@ssc-bee.UUCP>
Date: Wed, 5-Dec-84 13:28:33 EST
Article-I.D.: ssc-bee.272
Posted: Wed Dec 5 13:28:33 1984
Date-Received: Thu, 6-Dec-84 07:39:29 EST
References: <145@ihu1m.UUCP>
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 19

>
>   What if .. APPLE were to use the 16 bit version of the
>   6502 as a companion processor to the 68020 ?

     Alas, Apple denies any plans to upgrade the IIe's to 16-bit
     era. Woz told mis_Infoworld that he was working on such a project
     then retracted that statement the next week. (Sounds like some
     heavy arm twisting to protect Mac sales).

     Rumor has it that Western Design (???) who designed the 16-bit 6502

was working on a plug in card for the IIe video slot. This sounds like a good deal. I would prefer a 68000 plug in card with (here I go again :-) 16 sockets to hold either 64k or 256k ram chips (jumper selectable -- someone tell me if this is impossible). The 68000 should run at 8 Mhz or higher.

--

Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -5802246849509348181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,29faf1db18058e14,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-05 12:57:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Aztec C graphics and some other stuff
Message-ID: <484@ittral.UUCP>
Date: Wed, 5-Dec-84 15:57:44 EST
Article-I.D.: ittral.484
Posted: Wed Dec 5 15:57:44 1984
Date-Received: Fri, 7-Dec-84 00:38:29 EST
Lines: 29

Recently I posted a request for info about graphics routines for Aztec C. I got a lot of requests; it seems that a lot of people are interested, so I'm going ahead with my work on the hi-res graphics library for Aztec C. I'll mail it to those who specifically requested that I send it by mail, but due to the many requests I got I will be posting it to the net. I'm not sure when. It isn't finished yet, and my wife and I have a baby due (our first!) any day now, and I just bought a house, and so I'm not exactly breaking my neck to get this done. I'll try to have everything finished up sometime around the first of the year. Maybe sooner, probably later.

By the way, I really like the Aztec C compiler, but the support from Manx has been absolutely terrible. I have a hard time finding anyone there who seems familiar with the Apple version of their compiler. The response when I report a bug is usually something like, "Hmmmmm. I see." They have been promising a ProDos version of the compiler for nearly a year now. I think it got shelved while they got the Mac version working. At any rate, I'm not very impressed with them as a company. Their documentation stinks, too. As long as you work under the shell they supply you're fine, but I have been having a heck of a time implementing device drivers for use in a stand-alone environment. Some more support and better documentation would help a lot.

Douglas Hall
ITT Telecom Products
Raleigh, NC
ittvax!ittral!hall

From 1114814628539218633
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,315240e6f4849525
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-05 13:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!hao!seismo!cmcl2!
acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Lisa Source needed...
Message-ID: <12500029@acf4.UUCP>
Date: Wed, 5-Dec-84 16:04:00 EST
Article-I.D.: acf4.12500029
Posted: Wed Dec 5 16:04:00 1984
Date-Received: Sat, 8-Dec-84 06:06:59 EST
References: <12500027@acf4.UUCP>
Organization: New York University
Lines: 20
Nf-ID: #R:acf4:12500027:acf4:12500029:000:221
Nf-From: acf4!spector   Dec 5 16:04:00 1984

One problem with translating Lisa 7/7 into anything other than English:

Apple has already done it.

I believe so far the list is into:

German
French
Spanish
Dutch

And perhaps a few others.

From 2766412274576860853
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,3eb279e78a9f5e3a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-05 14:15:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!zehntel!dual!ames!
barry
From: barry@ames.UUCP (Kenn Barry)
Newsgroups: net.micro.apple
Subject: Hard disk for $695.00?
Message-ID: <679@ames.UUCP>
Date: Wed, 5-Dec-84 17:15:58 EST
Article-I.D.: ames.679
Posted: Wed Dec 5 17:15:58 1984
Date-Received: Fri, 7-Dec-84 01:44:24 EST
Distribution: net
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 19

[]
     I have an ad for a hard disk (10mb) for the Apple][+ and][e
called "The Sider", from First Class Peripherals. According to the ad,
for $695.00 you get a disk and interface all ready to be plugged into
your Apple.
     This is easily the lowest price for 10mb on an Apple that I've
ever seen, and I'm thinking of buying one. My question is, does anyone
out there have any experience with this beast? I am particularly concerned
about reliability, and would be very grateful if anyone with information
on this product would contact me.
     If interest warrants, I will post a summary of my findings to
the net. Thanks in advance to all who respond.

- From the Crow's Nest -   Kenn Barry
                                              NASA-Ames Research Center
                                              Moffett Field, CA

     USENET: {ihnp4,vortex,dual,hao,menlo70,hplabs}!ames!barry
     SOURCE: ST7891

From -1885251865349401918
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ff5f5373024b03f4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-06 09:37:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rayssd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!rayssd!jxc
From: jxc@rayssd.UUCP
Newsgroups: net.micro.apple
Subject: Feeling LISP-less, can anyone help?
Message-ID: <594@rayssd.UUCP>
Date: Thu, 6-Dec-84 12:37:30 EST

Article-I.D.: rayssd.594
Posted: Thu Dec 6 12:37:30 1984
Date-Received: Fri, 7-Dec-84 02:29:02 EST
Organization: Raytheon Co., Portsmouth RI
Lines: 14

Does anyone know of a (yes, I know this probably belongs in net.wanted)
LISP compiler/interpreter for the Apple][,][+, //e, //c?

I remember a distribution of a MicroLisp written in Basic (ouch!)
by the Apple Dealer's Software Subscription Group (Vol 3-5?), but
this version was too slow. Have any other compilers/interpreters
become available since?

Any information would be appreciated.

Jeff Clesius {allegra|linus|brunix}!rayssd!jxc
Raytheon Submarine Signal Division
Box 330
Portsmouth, RI   (401) 847-8000 X4015

From 6921327277229690511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,da94cf66b3a564fb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-07 16:01:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site gargoyle.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!gargoyle!ed
From: ed@gargoyle.UChicago.UUCP (Ed Friedman)
Newsgroups: net.micro.apple
Subject: Timing on apples
Message-ID: <249@gargoyle.UChicago.UUCP>
Date: Fri, 7-Dec-84 19:01:18 EST
Article-I.D.: gargoyle.249
Posted: Fri Dec 7 19:01:18 1984
Date-Received: Sat, 8-Dec-84 06:49:12 EST
Organization: U. Chicago - Computer Science
Lines: 18

     Does anyone know of a way to get detect real time from Apple II
computers without buying a clock board? Is there any memory location
which steadily increments on some fixed cycle? I know that a time delay
of x seconds can readily be programmed in, but I am concerned about a
program with numerous levels of interrupts which still can refer back
to some subroutine which will return the real time. Has anyone done
something like this on the Apple II? If so, I would like to hear how
you did it.

                                    Thanks in advance,

Ed Friedman
Computer Science Dept.
University of Chicago
Chicago, Illinois 60637

From -5181929363222139352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,eb1a0c7d664d61b4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,eb1a0c7d664d61b4,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,eb1a0c7d664d61b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-07 18:26:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84 SMI; site sun.uucp
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!decwrl!sun!sunny
From: sunny@sun.uucp (Sunny Kirsten)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: Apple Lisa, ComputerCraft, NO SUPPORT
Message-ID: <1856@sun.uucp>
Date: Fri, 7-Dec-84 21:26:52 EST
Article-I.D.: sun.1856
Posted: Fri Dec 7 21:26:52 1984
Date-Received: Sun, 9-Dec-84 06:32:09 EST
Distribution: net
Organization: Sun Microsystems, Inc.
Lines: 43
Xref: watmath net.micro:8862 net.micro.apple:1527 net.micro.mac:109

In October of 1983, I purchased a Lisa computer from Mission Computer Center, Palo Alto, CA, whose operations were subsequently purchased by ComputerCraft. It was, at the time, represented to me that within a month there would be available both the LisaPascal programming language, and the LisaWorkshop programming environment, without which the Lisa is incapable of doing anything but the 7 applications initially offered. As a programmer of some 15 years, it should be obvious that I wouldn't buy a computer I couldn't personally program. In fact, I had every intention of making my living by becoming an independent software developer of applications for the Lisa. It was my intent to become self employed, and make my living by programming my Lisa.

On the anniversary of my Lisa purchase I tried for the umpteenth time to take delivery of a programming environment/language for my Lisa, and was again told it was unavailable. Also, the hardware "upgrade" which was supposed to have been available in June of 1984 was still not available. I beseeched the manager of the store with this story, and he suggested that I call the local Apple representative, which I did. I was told that within a week the hardware upgrade would be shipped to ComputerCraft.

At the end of November I returned to the store, and was again told that nothing was available. Returning in early December, I demanded a full refund upon return of my Lisa, and was told by the store manager that he couldn't authorize such, and that I would have to talk to the regional office. I proceeded to visit the regional office, and repeat my demand of a full refund.

I was told that the regional office was not authorized to authorize such a return, and that I would be contacted by a representative of ComputerCraft corporate, and left my work and home phone #'s toward that end. I was, as expected, not contacted. Having waited a full week for ComputerCraft corporate to respond to my request, I can only conclude that ComputerCraft not only never has supported me, but that they never will, and find no alternative but to initiate a lawsuit regarding ComputerCraft's breach of contract and fraud. In short, what was delivered to me was a closed system incapable of being programmed, and therefore something I would not have purchased in the first place if it had been so represented. I have every intent of pressing a law suit which requests not only a full refund of the purchase price, but also treble damages as a punitive measure to prevent ComputerCraft from continuing these unlawful practices.

Sunny Kirsten

--
mail ucbvax\!sun\!sunny decvax\!sun\!sunny ihnp4\!sun\!sunny<<EOF

EOF

From 9193696520186567800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eb279e78a9f5e3a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-09 15:33:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucsfcgl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ucbvax!ucsfcgl!harrison
From: harrison@ucsfcgl.UUCP (Peter Harrison%MIS)
Newsgroups: net.micro.apple
Subject: Re: Hard disk for $695.00?
Message-ID: <400@ucsfcgl.UUCP>
Date: Sun, 9-Dec-84 18:33:34 EST
Article-I.D.: ucsfcgl.400
Posted: Sun Dec 9 18:33:34 1984
Date-Received: Tue, 11-Dec-84 02:41:24 EST
References: <679@ames.UUCP>
Reply-To: harrison@ucsfcgl.UUCP (PUT YOUR NAME HERE)
Distribution: net
Organization: UCSF Computer Graphics Lab
Lines: 6
Summary:

I called the company on their 800 number about 3 weeks ago. They said they had not started shipping yet but expected to in about 2 weeks (ie about a week ago. I have not called back since. Obviously this means no data on reliability. Has anyone actually got one of these yet?

Peter Harrison

From -2905137683688348900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ea88748e9649124,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-09 21:02:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site isucs1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!houxm!ihnp4!stolaf!umn-cs!
isucs1!notes
From: notes@isucs1.UUCP
Newsgroups: net.micro.apple
Subject: Apple /// kermit
Message-ID: <213@isucs1.UUCP>
Date: Mon, 10-Dec-84 00:02:03 EST
Article-I.D.: isucs1.213
Posted: Mon Dec 10 00:02:03 1984
Date-Received: Fri, 7-Dec-84 01:37:42 EST
Sender: notes@isucs1.UUCP
Organization: Iowa State University
Lines: 15
Nf-ID: #N:isucs1:19400002:000:411
Nf-From: isucs1!fidder   Dec 3 19:47:00 1984

I am looking for a version of kermit which will run on apple ///'s
Has anyone had any experience with such a beast, and if so where might I
find a working version. Or will the version for the apple][work on the
three in emulation mode ? As always if I receive enough replies I will
summarize for the net.

Thanks,

Ted Fidder
Iowa State University
USENET: ...umn-cs!isucs1!fidder

From 7329847319304747120
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,58d5bfad3377804f,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,58d5bfad3377804f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-10 09:56:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sfmag.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!sftig!sftri!sfmag!gll
From: gll@sfmag.UUCP (G.L.Lindgren)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Source for uuencode/uudecode

Message-ID: <460@sfmag.UUCP>
Date: Mon, 10-Dec-84 12:56:27 EST
Article-I.D.: sfmag.460
Posted: Mon Dec 10 12:56:27 1984
Date-Received: Tue, 11-Dec-84 04:35:49 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 11
Xref: watmath net.micro.mac:113 net.micro.apple:1530

Can someone send me the source for uuencode/uudecode?

Thank you,

Gary Lindgren
AT&T Bell Laboratories
190 River Road Room G229
Summit, N.J. 07901
201-522-6170
ihnp4!btlunix!gll

From 8253192060858490669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,40ad19664192277,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-13 07:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!mgnetp!we53!busch!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple
Subject: Apple Pascal Keypress function
Message-ID: <181@wuphys.UUCP>
Date: Thu, 13-Dec-84 10:51:00 EST
Article-I.D.: wuphys.181
Posted: Thu Dec 13 10:51:00 1984
Date-Received: Fri, 14-Dec-84 07:31:19 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 12

I'm having trouble using the KEYPRESS function in the unit APPLESTUFF.
The problem being that the function doesn't work. I have a IIe with an extended
80 column board and am working with Apple Pascal version 1.1. I
suspect that the problem lies with differences in I/O with the 80 col.
board. Does anyone know of a fix for this so that I can test for
keydown from a pascal program ? If so, please reply by mail or post
to the net. Thanks in advance.

Frank Kramer

From -170458988705840230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7ec2ccb995f9e5ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-13 08:41:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dmcnh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!wjh12!
genrad!decvax!ittvax!sii!dmcnh!gts
From: gts@dmcnh.UUCP
Newsgroups: net.micro.apple
Subject: Manx address wanted (pirates > /dev/hell)
Message-ID: <168@dmcnh.UUCP>
Date: Thu, 13-Dec-84 11:41:40 EST
Article-I.D.: dmcnh.168
Posted: Thu Dec 13 11:41:40 1984
Date-Received: Sat, 15-Dec-84 01:56:08 EST
Distribution: net
Organization: Datamedia Corp, Nashua, NH
Lines: 24

[Sixteen men on a dead man's chest....]

Anyone have the address for Manx (makers of Aztec-C)?
I have access to their C compiler but need to contact them
before I make a copy. (No pirate I.)

BTW: Anyone who responds to this request is aiding and abeting
an obvious criminal:

>Subject: ASCII Express
>I am using ASCII Express with the Apple IIc. I connected it to a Racal
>Vadic VA212 modem. For some reason, all I get on the screen is garbage.
>I tried modify the # of bits, parity, etc. but that doesn't seem to help.
>First of all, does anyone have a similiar setup? How did you connect
>the IIc port to the modem (i.e. pin to pin connections)? What settings
>do you use to connect to a VAX?
>p.s. Anybody have a manual for ASCII Express

>From the heavily-sedated terminal of ><..!decvax!ittvax!sii!dmcnh!gts

Disclaimer: The content of this message is the sole responsibility of
dmcnh!gts and does not necessarily reflect the policies of Datamedia.

From -7691374714211094664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8ea88748e9649124

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-13 08:49:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site txsil.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!txsil!gertjan
From: gertjan@txsil.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple /// kermit
Message-ID: <16200001@txsil.UUCP>
Date: Thu, 13-Dec-84 11:49:00 EST
Article-I.D.: txsil.16200001
Posted: Thu Dec 13 11:49:00 1984
Date-Received: Sun, 16-Dec-84 04:57:00 EST
References: <19400002@isucs1.UUCP>
Lines: 3
Nf-ID: #R:isucs1:19400002:txsil:16200001:000:109
Nf-From: txsil!gertjan   Dec 13 10:49:00 1984

We go an Apple in from a local dealer. It had kermit in there.
So you might consult your local Apple store.

From -6319350855610831917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,9a1f3821fa5069ab,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,9a1f3821fa5069ab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-13 09:56:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidca.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!wjh12!talcott!
harvard!seismo!cmcl2!philabs!ttidca!davidt
From: davidt@ttidca.UUCP (David Terlinden)
Newsgroups: net.wanted,net.micro.apple
Subject: Apple emulator in C for VAX
Message-ID: <186@ttidca.UUCP>
Date: Thu, 13-Dec-84 12:56:56 EST
Article-I.D.: ttidca.186
Posted: Thu Dec 13 12:56:56 1984
Date-Received: Tue, 18-Dec-84 03:31:05 EST
Organization: TTI, Santa Monica, CA.
Lines: 2
Xref: watmath net.wanted:5375 net.micro.apple:1537

Anyone know of a C program that emulates a 6502 cpu?
D.M. TERLINDEN, TTI, 3100 Ocean Park, Santa Monica 90405, (213) 450-9111 x3124

From 2777830362212587979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,729cc9dd33c43ef9,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-12-13 13:41:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucsfcgl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!wjh12!
genrad!decvax!ucbvax!ucsfcgl!harrison
From: harrison@ucsfcgl.UUCP (Peter Harrison%MIS)
Newsgroups: net.micro.apple
Subject: Can I use an Apple //e in Australia on 240v 50 Hz mains?
Message-ID: <408@ucsfcgl.UUCP>
Date: Thu, 13-Dec-84 16:41:32 EST
Article-I.D.: ucsfcgl.408
Posted: Thu Dec 13 16:41:32 1984
Date-Received: Sat, 15-Dec-84 01:57:26 EST
Distribution: net
Organization: UCSF Computer Graphics Lab
Lines: 8

I know I will need to get a PAL colout card. The old Apple II had a
switch on the power supply for 110/220v and a couple of jumper pads to
convert to 50 Hz. What is the situation for the //e? Is there anyone
in Australian netland who has actually got one running?

Peter Harrison
ucbvax!ucsfcgl!harrison
ucsfcgl!harrison@berkeley.ARPA

From 3863738545967093547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 163b79,e29941c0ebd89b7c,start
X-Google-Attributes: gid163b79,public
X-Google-Thread: 15f443,e29941c0ebd89b7c,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,e29941c0ebd89b7c,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,e29941c0ebd89b7c,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1984-12-13 13:53:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxt!bll
From: bll@mhuxt.UUCP (LEVIN)
Newsgroups: net.general,net.wanted,net.micro.apple,net.wanted.sources
Subject: WANTED Apple IIe compatible printer before X-mas
Message-ID: <410@mhuxt.UUCP>
Date: Thu, 13-Dec-84 16:53:22 EST
Article-I.D.: mhuxt.410
Posted: Thu Dec 13 16:53:22 1984
Date-Received: Fri, 14-Dec-84 06:51:00 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 8
Xref: watmath net.general:4169 net.wanted:5345 net.micro.apple:1531
net.wanted.sources:208

Wanted, Apple IIe compatible dot matrix printer, used.
Looking for $200.-$250. price range. Please respond
ASAP. Murray Hill, Whippany, Scotch Plains, Watchung
area preferable for responses, as I live in Berkeley
Heights area. Will travel a little farther if necessary.
Please call Frank Michenfelder, AT&T Bell Laboratories,
Short Hills, N. J. 564-2660 (x2660). Need to find
one before Christmas!

From 2878420595324060099
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98afa021888944b8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-13 21:30:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!islenet!richard
From: richard@islenet.UUCP (Richard Foulk)
Newsgroups: net.micro.apple
Subject: Graphics routines for Aztec C
Message-ID: <825@islenet.UUCP>
Date: Fri, 14-Dec-84 00:30:31 EST
Article-I.D.: islenet.825
Posted: Fri Dec 14 00:30:31 1984
Date-Received: Mon, 10-Dec-84 03:17:39 EST
Organization: Islenet Inc., Honolulu
Lines: 245

Several people have asked for graphics routines for use with the Aztec C
compiler on the Apple 2. I promised to send these to someone a while
back but I seem to have lost their address.

Anyway, here they are. I haven't used this stuff in quite some time so
my recollection of it is a bit vague but I'm pretty sure everything works.
At least on an Apple 2e with Aztec C version 1.05B (probably not the current
version). These routines should have been put into separate files and built
into a library, I just never got around to it. The formatting of the code
probably looks a bit strange since the Aztec editor has tab stops every
four columns instead of every eight.

If you can't figure out what each routine does just check your Applesoft
manual, most of the names are the same.

My having created and posted these routines should in no way be construed
as an endorsement of Apple computers or as a statement that Apple computers
are suitable for any purpose whatsoever.

These routines are Copyleft 1984 by Me. Enjoy.

Richard Foulk

```
--------------------------------cut here--------------------------------------
          public   hgr_      hgr(page);
          public   text_          text();
          public   rot_      rot(rotation);
          public   scale_         scale(scale_factor);
          public   xdraw_         xdraw(shape_no, x, y);
          public   draw_          draw(shape_no, x, y);
          public   hcolor_        hcolor(color);
          public   pdl_      pdl(paddle_no);
          public   plotline  plotline(x, y, x2, y2);
          public   plot_          plot(x, y);        plot a point
          public   plotto_        plotto(x, y); plot a line from the current loc
          public   clear_         clear();      clear hires screen
          public   peek_          peek(ad);
          public   poke_          poke(ad, byte);

sp        equ      2
r0        equ      8
flag equ       0
temp equ       0

shapel    equ      $1a
shapeh    equ      $1b
shapepnt equ   $e8           pointer to shape table
rotz equ       $f9           shape rotation value is stored here
scalez    equ      $e7

hgr       equ      $f3e2
hgr2 equ       $f3d8
rombyte equ         $e000         this location holds a $4c if roms are enabled
selram    equ      $c080         select ram card
selrom    equ      $c081         select roms

hgr_ jsr       romcheck  check if rom selected and select if not
          ldy      #0
          lda      (sp),y
          and      #1
          beq      two
          jsr      hgr
          jmp      done
two       jsr      hgr2

done lda       flag     master exit, reselects ram-card if necessary
          bne      rts1
          sta      selram        re-select ram card
rts1 rts

text_     lda      $c051         turn on text mode
          lda      $c052         nomix
          lda      $c054         primary page
          rts

pdl_ ldy       #0
```

```
          lda       (sp),y
          tax
          jsr       $fb1e           go read paddle(x)
          sty       r0              val returned in y
          lda       #0
          sta       r0+1
          rts

rot_ ldy       #0
          lda       (sp),y
          sta       rotz
          rts

scale_    ldy       #0
          lda       (sp),y
          sta       scalez
          rts

hcolor_   jsr       romcheck
          ldy       #0
          lda       (sp),y
          tax
          jsr       $f6f0
          jmp       done

plotline                    *     plotline(x1, y1, x2, y2);
          jsr       romcheck
          jsr       plt             plot a dot at x1 y1
          jsr       pltto
          jmp       done

plotto_
          jsr       romcheck
          ldy       #0
          jsr       pltto2
          jmp       done

pltto     ldy       #4
pltto2    lda       (sp),y
          pha                       x2 low
          iny
          lda       (sp),y
          tax                       x2 high
          iny
          lda       (sp),y
          tay                       y2
          pla
          jsr       $f53a           plot from current loc to x2 y2
          rts

plot_     jsr       romcheck  plot(x, y);
          jsr       plt
          jmp       done
```

```
plt       ldy      #0
          lda      (sp),y
          tax                    x1 low
          iny
          lda      (sp),y
          sta      flag      x1 high, save temporarily
          iny
          lda      (sp),y         y1
          ldy      flag
          jsr      $f457          plot a point
          rts

romcheck
          lda      rombyte        check if basic is "up" (ROMs)
          sta      flag      init flag as no toggle necessary to call roms
          cmp      #$4c
          beq      ret
          lda      #0
          sta      selrom         turn on roms
          sta      flag      and set flag
ret       rts

xdraw_    jsr      romcheck
          jsr      drsetup
          jsr      $f661          xdraw routine
          jmp      done

draw_     jsr      romcheck
          jsr      drsetup
          jsr      $f605          draw routine
          jmp      done

drsetup   ldy      #0
          lda      (sp),y         get shape number
          tax
          jsr      setshp
          ldy      #4
          lda      (sp),y         Y location
          sta      $e2
          dey
          lda      (sp),y         X high
          sta      $e1
          dey
          lda      (sp),y         X low
          sta      $e0
          tax                     setup registers for call
          ldy      $e1
          lda      $e2
          jsr      $f417          set position
          lda      rotz
          rts
```

```
setshp  lda     shapepnt
        sta     shapel
        lda     shapepnt+1
        sta     shapeh
        txa
dp1     asl     a
        bcc     dp2
        inc     shapeh
        clc
dp2     tay
        lda     (shapel),y
        adc     shapel
        tax
        iny
        lda     (shapel),y
        adc     shapepnt+1
        sta     shapeh
        stx     shapel
        rts

clear_  lda     #$20
        sta     temp+1
        lda     #0
        sta     temp
        tay
        ldx     #$20
cloop   sta     (temp),y
        iny
        bne     cloop
        inc     temp+1
        dex
        bne     cloop
        rts

peek_   ldy     #1
        lda     (sp),y
        sta     temp+1
        dey
        lda     (sp),y
        sta     temp
        lda     (temp),y
        sta     r0
        lda     #0
        sta     r0+1
        rts

poke_   ldy     #0
        lda     (sp),y
        sta     temp
        iny
        lda     (sp),y
        sta     temp+1
        iny
```

```
          lda       (sp),y
          ldy       #0
          sta       (temp),y
          rts

          end
```

```
--
Richard Foulk      ...{dual,vortex,ihnp4}!islenet!richard
Honolulu, Hawaii
```

```
From -207301647766512883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,95fd10372d4558ee,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12c65a,95fd10372d4558ee,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 129c11,95fd10372d4558ee,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,95fd10372d4558ee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-16 18:37:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!wjh12!talcott!
harvard!seismo!brl-tgr!abc
From: abc@brl-tgr.ARPA (Brint Cooper )
Newsgroups: net.micro,net.micro.apple,net.micro.cbm,net.micro.atari
Subject: Keyboards for Handicapped Needed
Message-ID: <6600@brl-tgr.ARPA>
Date: Sun, 16-Dec-84 21:37:07 EST
Article-I.D.: brl-tgr.6600
Posted: Sun Dec 16 21:37:07 1984
Date-Received: Tue, 18-Dec-84 02:19:35 EST
Distribution: net
Organization: Ballistic Research Lab
Lines: 29
Xref: watmath net.micro:8921 net.micro.apple:1536 net.micro.cbm:1006
net.micro.atari:525

I am helping someone whose niece, age 6, is a victim of cerebral palsey
and who has shown interest in having a small computer.  For financial
reasons, we are looking at the popular 8-bit machines for which a broad
software base exists (Apple, C64, Atari).

Apparently, the child has severe fine motor impairment; she cannot write
and probably has little dexterity with her fingers.

Therefore, we are looking for microcomputer add-on keyboards made for
such folks.  Please keep in mind that the "keyboard" has to be
interfaced to the computer and we'd prefer not to have an R&D project as
the aunt, the niece, and I are on west coast, central US, and east
```

coast, respectively.

Please mail or post replies to net.

Thanks,

Brint
      ARPA: abc@brl.arpa
      UUCP: ...{decvax,cbosgd}!brl-bmd!abc

            Dr Brinton Cooper
            U.S. Army Ballistic Research Laboratory
            Attn: AMXBR-SECAD (Cooper)
            Aberdeen Proving Ground, MD 21005-5066

Offc: 301 278-6883   AV: 283-6883   FTS: 939-6883
Home: 301-879-8927

From 597219672263765192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,27f5d04ff78167ff,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-17 13:19:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wu1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!ittvax!dcdwest!
sdcsvax!sdcrdcf!hplabs!hao!seismo!cmcl2!rna!cubsvax!wu1!rf
From: rf@wu1.UUCP
Newsgroups: net.micro.apple
Subject: Please tell me about music writing programs for Apple 2's
Message-ID: <329@wu1.UUCP>
Date: Mon, 17-Dec-84 16:19:38 EST
Article-I.D.: wu1.329
Posted: Mon Dec 17 16:19:38 1984
Date-Received: Fri, 21-Dec-84 00:44:32 EST
Organization: Western Union Telegraph, Mahwah, NJ
Lines: 9

Does anyone know of a music writing program which runs on Apple
2's? We're particularly interested in a program which can
transpose.

Please mail comments to me. If there's enough interest, I will
post a summary to the net.

"Orion shall rise!"   Randolph Fritz
UUCPnet: {ihnp4,decvax}!philabs!wu1!rf

From 3597705323897810819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eb279e78a9f5e3a

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-17 15:47:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-vax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!vax135!cornell!uw-beaver!
ssc-vax!tjj
From: tjj@ssc-vax.UUCP (T J Jardine)
Newsgroups: net.micro.apple
Subject: Re: Hard disk for $695.00?
Message-ID: <278@ssc-vax.UUCP>
Date: Mon, 17-Dec-84 18:47:45 EST
Article-I.D.: ssc-vax.278
Posted: Mon Dec 17 18:47:45 1984
Date-Received: Wed, 19-Dec-84 02:28:07 EST
References: <679@ames.UUCP> <400@ucsfcgl.UUCP>
Distribution: net.micro.apple
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 32

About a week before Thanksgiving I ordered one of these 10 MB hard disks from
First Class Peripherals, Inc. They sent me a letter about a week later with
a copy of their warranty (one page description) that thanked me for ordering
their product and informed me that my unit was due for shipment on Dec 3rd.
It arrived at my home on Dec 13th, I unpacked it the next day and have had it
up and running for 2+ days now. They are very careful in their packing and
their documentation. The Sider, as it's called, comes with an interface
board that goes only in slot 7, all of the necessary connecting cables, a
reference manual, and two double-sided floppy diskettes. One of the four
sides of the diskettes contains their installation software to format and
verify the disk. The other three sides have utility software for use in
installing ProDos, CP/M (either PCPI or Microsoft), and Apple Pascal (either
1.1 or 1.2). DOS 3.3 is supported as a matter of course. Their partitioning
scheme is a bit strange at first glance, but becomes understandable the more
you think about the problem of supporting four different operating systems.
I use Pascal almost exclusively, with a little DOS BASIC here and there, so
I have four small volumes (5.25 inch 35 track capacity equivalent) and three
large volumes (about 8 inch diskette capacity) for DOS, and the rest, with
minor allocations for ProDos and CP/M, allocated to four Pascal units of
3728 blocks each. Haven't really had a chance to shake the system out yet,
but I was favorably impressed by what I have seen so far. You don't get
a whole 10 MB for any one operating system, but I have the equivalent of
53+ Pascal diskettes online at one time and that's a whole lot more than
I have had before. For $695 I can only cross my fingers and hope that
someone doesn't buy them up before my warranty expires. More later if
there is interest.

--
TJ (with Amazing Grace) The Piper
Boeing Computer Services
Artificial Intelligence Center
...uw-beaver!ssc-vax!tjj

From -5454951040435875293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d4e8af9237086857,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,d4e8af9237086857,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,d4e8af9237086857,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1984-12-19 08:24:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2.fluke 9/24/84; site fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxn!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Rather interesting coincidence(?) [forwareded from games.trivia]
Message-ID: <167@vax2.fluke.UUCP>
Date: Wed, 19-Dec-84 11:24:12 EST
Article-I.D.: vax2.167
Posted: Wed Dec 19 11:24:12 1984
Date-Received: Fri, 21-Dec-84 02:27:20 EST
References: <1181@trwrba.UUCP>
Reply-To: moriarty@fluke.UUCP (Jeff Meyer)
Organization: John Fluke Mfg. Co., Inc., Everett, WA
Lines: 19
Xref: watmath net.micro:8947 net.micro.mac:170 net.micro.apple:1542

In article <1181@trwrba.UUCP> ssimpson@trwrba.UUCP (Scott W. Simpson) writes:
>
>   Was watching Get Smart this morning and I noticed something
>interesting. Max and the chief were exchanging code words at the door
>so the chief could get in a room. Max said, "What's the code?" and the
>chief replied, "You say Apple and I say Macintosh." Hmmmm.....

This seems like a rather amazing coincidence... anyone have an explanation
at Apple?

                                        "DANGER is my BUSINESS"

                        Moriarty, aka Jeff Meyer
                        John Fluke Mfg. Co., Inc.
UUCP:
 {cornell,decvax,ihnp4,sdcsvax,tektronix,utcsrgv}!uw-beaver \
    {allegra,gatech!sb1,hplabs!lbl-csam,decwrl!sun,ssc-vax} -- !fluke!moriarty
ARPA:
     fluke!moriarty@uw-beaver.ARPA

From -643026335983626935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,835786651650db66,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-19 10:15:13 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!wjh12!talcott!
harvard!seismo!hao!ames!barry
From: barry@ames.UUCP (Kenn Barry)
Newsgroups: net.micro.apple
Subject: Hard disk for $695.00? (SUMMARY OF RESPONSES)
Message-ID: <716@ames.UUCP>
Date: Wed, 19-Dec-84 13:15:13 EST
Article-I.D.: ames.716
Posted: Wed Dec 19 13:15:13 1984
Date-Received: Fri, 21-Dec-84 01:39:01 EST
Distribution: net
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 87

[]

This is a summary of the information I received about the Sider hard disk for the Apple. My thanks to all who responded to my query. My personal decision is to wait a while before purchasing one of these units, both because $695.00, though a very attractive price, is a lot of money, and because the unit has not been around long enough for any information on its long-term reliability to be available, yet.

****

> When I saw the ad I immediately noticed two key item of information
> were missing and called the company. The person I spoke to was amazed that
> they had been omitted from the ad's copy and supplied them, to wit:
>
> Average seek time: 95ms.
> Transfer rate: 5 mbits/sec.
>
> My understanding is that the low price was made possible by using a
> 5 1/4 inch winchester with "small footprint" technology. If you look through
> Byte Magazine, you'll notice a few new 10mbyte drives for the IBM PC in
> the same price range and using the same new technology.

> I was concerned also and I called the manufacturer. The are in
> business about 2 months. Have sold 250 of them. It is a miniscribe
> drive and a Xebec (sp?) controller.
> It is not a special limited price and will be their standard price.
> Therefore my logic is- since I can't readily afford it now,
> wait till it's out there and there's some feedback on it.

> I have purchased one of the Sider units. It arrived two days ago.
> Except for formatting the disk and setting up files, I have not had
> a real chance to use it. It did arrive in good shape, and the diagnostic
> program indicates that there were no bad sectors.
>
> Installation was fairly straight forward, you connect mount a cable and
> plug attachment to the back of the apple, and attach the other end of
> of the cable to the controller board. Then you attach a second cable

> from the outside of the apple to the drive. You can daisy-chain up to
> 2 drives together, but if you do not use a second drive, you need to
> attach a null plug to the other I/O port. The instructions are
> complete, but could use more illustrations.
>
> You can then configure up to four operating systems, DOS 3.3,
> Apple PASCAL (1.1 or 1.2), PRODOS and one of two flavors of CPM. A minor
> flaw is that each operating system will use about 100k even if you don't
> actually use it. Also each operating system has its own boundary on the
> disk and these cannot be changed without reformatting.
>
> The disk is fairly quiet, allthough the rotating drive does make a
> humming noise similar to a small fan. It accesses data quietly (no
> clatter), and as far as I can tell so far, is reasonably fast, (but I
> have not really had time to test this).
>
> The literature does not actually state who the drive manufacturer is,
> but one of the utilities has a xybek (sp?) copyright, so that is
> a good guess.
>
> A word of caution, no real information is given on the internals of
> the DOS's used, so if you have a card that uses a patched DOS, it
> might not be simple to patch into FCP's DOS. I have not had time to
> explore this further....
>
> Overall, I am pleased with the quality of the unit I was shipped. I
> found only one documentation bug (I setting up pascal) and this was
> obvious and easy to work arround. If I am still happy after a month
> or so of use, then I might buy a second drive.

I, also, called the company, and was told that their disk, though compatable with both the Apple][+ and][e, is not compatable with the old Apple][. My machine is a][, though I have put Applesoft on the motherboard, making it essentially a][+. They told me that, if their disk would not work on my machine, I could return it within 15 days for a full refund.

My thanks, also, to T.J. Jardine, who posted a separate message about the Sider disk he/she recently acquired. I would also appreciate it if any/all owners of the Sider would post a note if they have any problems with their units in the future.

Again, my thanks to all.

- From the Crow's Nest - Kenn Barry
NASA-Ames Research Center
Moffett Field, CA

USENET: {ihnp4,vortex,dual,hao,menlo70,hplabs}!ames!barry
SOURCE: ST7891

From -1919222419711692733

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1579f2,9d40aabd3a50cb04,start
X-Google-Attributes: gid1579f2,public
X-Google-Thread: 1622d3,9d40aabd3a50cb04,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-20 21:00:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple,net.crypt
Subject: Analysis of SAFECOM
Message-ID: <6710@brl-tgr.ARPA>
Date: Fri, 21-Dec-84 00:00:35 EST
Article-I.D.: brl-tgr.6710
Posted: Fri Dec 21 00:00:35 1984
Date-Received: Sat, 22-Dec-84 02:18:32 EST
Distribution: net
Organization: Ballistic Research Lab
Lines: 31
Xref: watmath net.micro.apple:1543 net.crypt:258

Some time in September, Bill Parker posted the source to SAFECOM,
which is an encryption program for inter-micro communications.
I just now got around to looking into its innards and thought I
would let its potential users know that it is very easy to crack.

The encryption is done basically by adding corresponding letters
of a cyclic key and the plaintext, then splitting the resulting
byte into two 4-bit nybbles and offsetting them into the printable
ASCII range by adding a constant.

The first thing a cryptanalyst would do to crack a message in this
system would be to reconstruct the (key + plaintext) bytes from
the offset 4-bit nybbles; this is a purely mechanical procedure.

The next step would be a Kasiski analysis to determine the key
length. (This is described in the hardcover edition of Kahn's
"The Codebreakers"; it is simple to perform.)

Then he would stack the ciphertext into "bins", each enciphered
by one of the key letters. Since each of the stacks is just a
Caesar substitution, a correlation between each stack frequency
distribution and the normal alphabetic frequencies will show what
the key letter is for that stack.

Then, since the key is now known, the entire message can be quickly
decrypted using SAFECOM!

I estimate that it would take someone with appropriate computer
tools only a couple of minutes to crack a SAFECOM-encrypted message.
This assumes a moderately long message and a relatively short key;

if the ratio is not as favorable it would take somewhat longer.

From 2653607745991046052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7bdb8570189357fd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-21 11:13:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!utah-cs!meredith
From: meredith@utah-cs.UUCP (Mark J Meredith)
Newsgroups: net.micro.apple
Subject: PDQ II
Message-ID: <3161@utah-cs.UUCP>
Date: Fri, 21-Dec-84 14:13:17 EST
Article-I.D.: utah-cs.3161
Posted: Fri Dec 21 14:13:17 1984
Date-Received: Sun, 23-Dec-84 07:56:35 EST
Organization: Univ of Utah CS Dept
Lines: 10

i can't seem to find who it was that requested information
about Enhancement Technology Corp.'s PDQ II.
i was thinking of upgrading my apple IIe with this.
could you please include me on you list for interested parties.

or would anyone with the PDQ let me know how you like/dislike it.

thanx in advance.

-mark <meredith@utah-cs>

From -5874594574403840063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,d4e8af9237086857
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,d4e8af9237086857
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,d4e8af9237086857
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-12-21 15:50:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc6.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!edsel!bentley!hoxna!houxm!
whuxlm!harpo!decvax!ittvax!dcdwest!sdcsvax!sdcc6!ix408
From: ix408@sdcc6.UUCP (Cris Rys)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Rather interesting coincidence(?) [forwareded from games.trivia]
Message-ID: <1841@sdcc6.UUCP>
Date: Fri, 21-Dec-84 18:50:08 EST
Article-I.D.: sdcc6.1841

Posted: Fri Dec 21 18:50:08 1984
Date-Received: Sun, 23-Dec-84 00:38:45 EST
References: <1181@trwrba.UUCP> <167@vax2.fluke.UUCP>
Organization: U.C. San Diego, Academic Computer Center
Lines: 7
Xref: watmath net.micro:8963 net.micro.mac:181 net.micro.apple:1545

It doesn't seem like such a coincidence, a Macintosh is an apple,
which is why the chief said apple...Macintosh, and is why apple
chose the name Macintosh.

Unless there is more to it than that, then it is pretty simple.

Cris Rys -->sdcc6!ix408

From -2927307980678356216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,29d08cdb2d11fd7e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-21 19:42:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ucla-cs.ARPA
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!trwrb!trwrba!cepu!ucla-cs!
faigin
From: faigin@ucla-cs.UUCP
Newsgroups: net.micro.apple
Subject: Apple][Printers
Message-ID: <2930@ucla-cs.ARPA>
Date: Fri, 21-Dec-84 22:42:14 EST
Article-I.D.: ucla-cs.2930
Posted: Fri Dec 21 22:42:14 1984
Date-Received: Mon, 24-Dec-84 02:47:04 EST
Organization: UCLA Computer Science Department
Lines: 21

I am looking for printers for the Apple][+. I am mainly looking
for an Okidata, Epson, or a Gemini. Which is the best to use with
the Apple? Which is the cheapest and where I can find one
below list price (I am located in the Los Angeles area).

I do not subscribe to this group, so please reply via electronic
mail.

--

Daniel P. Faigin
University of California at Los Angeles

UUCP: {cepu|ihnp4|trwspp|ucbvax}!ucla-cs!faigin

THIS SPACE
UNDER CONSTRUCTION

A new high-rise office
building is being constructed

ARPA: faigin@UCLA-CS.ARPA | on this site.
USPS (Home):   11743 Darlington Avenue #9 |
                Los Angeles CA 90049 | Full lines available. Call
                (213) 826-3357 | 555-1234 for leasing info.

From -4608806666595061037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d4e8af9237086857
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,d4e8af9237086857
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,d4e8af9237086857
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-22 10:17:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:ag4
From: ag4@pucc-h (Angus Greiswald the fourth)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Rather interesting coincidence(?) (trivia)
Message-ID: <1593@pucc-h>
Date: Sat, 22-Dec-84 13:17:30 EST
Article-I.D.: pucc-h.1593
Posted: Sat Dec 22 13:17:30 1984
Date-Received: Thu, 27-Dec-84 03:55:16 EST
References: <1181@trwrba.UUCP> <167@vax2.fluke.UUCP>
Organization: your service
Lines: 19

> In article <1181@trwrba.UUCP> ssimpson@trwrba.UUCP (Scott W. Simpson) writes:
> >
> > Was watching Get Smart this morning and I noticed something
> >interesting. Max and the chief were exchanging code words at the door
> >so the chief could get in a room. Max said, "What's the code?" and the
> >chief replied, "You say Apple and I say Macintosh." Hmmmm.....

> This seems like a rather amazing coincidence... anyone have an explanation
> at Apple?

Sorry if I'm not from Apple, but it's really not as much a coincidence as it
sounds. You see, a macintosh (however it is really spelled) is just a type
of apple - whence came the name for Apple's Mac. Kinda neat, huh.

--

Jeff Lewis   vvvvvvvvvvvv
{decvax|ucbvax|allegra|seismo|harpo|teklabs|ihnp4}!pur-ee!lewie
                                                    ^^^^^^^^^^^^

From 6159064994578011045
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 152df8,d4e8af9237086857
X-Google-Attributes: gid152df8,public
X-Google-Thread: 129c11,d4e8af9237086857
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d4e8af9237086857
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-23 18:17:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site mot.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!teddy!panda!
talcott!harvard!seismo!ut-sally!oakhill!mot!al
From: al@mot.UUCP (Al Filipski)
Newsgroups: net.micro,net.micro.mac,net.micro.apple
Subject: Re: Rather interesting coincidence(?) [forwareded from games.trivia]
Message-ID: <56@mot.UUCP>
Date: Sun, 23-Dec-84 21:17:19 EST
Article-I.D.: mot.56
Posted: Sun Dec 23 21:17:19 1984
Date-Received: Wed, 26-Dec-84 02:06:26 EST
References: <167@vax2.fluke.UUCP>
Organization: Motorola Microsystems, Phoenix AZ
Lines: 14

>> Was watching Get Smart this morning and I noticed something
>>interesting. Max and the chief were exchanging code words at the door
>>so the chief could get in a room. Max said, "What's the code?" and the
>>chief replied, "You say Apple and I say Macintosh." Hmmmm.....
>
>This seems like a rather amazing coincidence... anyone have an explanation
>at Apple?

Hardly surprising, considering that McIntosh is the second most
popular variety of apple (the fruit) in the U.S.

Alan Filipski, UNIX group, Motorola Microsystems, Tempe, AZ U.S.A
{allegra | ihnp4 } ! sftig ! mot ! al
{seismo | ihnp4 } ! ut-sally ! oakhill ! mot ! al

From 3522011090921172151
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,575e63a6f90d5916,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 13544e,575e63a6f90d5916,start
X-Google-Attributes: gid13544e,public
X-Google-Thread: 1622d3,575e63a6f90d5916,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-27 15:55:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!houxm!mhuxr!ulysses!allegra!mit-eddie!
godot!harvard!seismo!rochester!ken
From: ken@rochester.UUCP (Ken Yap)

Newsgroups: net.micro.apple,net.micro.68k,net.unix
Subject: Help wanted for Kermit on Lisa Xenix
Message-ID: <5008@rochester.UUCP>
Date: Thu, 27-Dec-84 18:55:11 EST
Article-I.D.: rocheste.5008
Posted: Thu Dec 27 18:55:11 1984
Date-Received: Sat, 29-Dec-84 02:54:00 EST
Reply-To: ken@rochester.UUCP (Ken Yap)
Followup-To: /dev/null
Organization: U. of Rochester, CS Dept.
Lines: 14
Keywords: Kermit, Xenix, Lisa

I helped a friend install Kermit on a Lisa today, using the generic UX
Kermit posted a few months back. It worked, except that I had to
comment out a couple of lines concerned with sending a break signal.
There are two undefined symbols: TIOCSBRK and TIOCCBRK. These are not
defined for Xenix ioctl(2) calls. Is there a way to generate a break
signal under Xenix? Can it be faked? Please reply by e-mail. I will
summarize if there is sufficient interest.

Thanks in advance.
--
     Ken Yap

UUCP: (..!{allegra, decvax, seismo}!rochester!ken) ARPA: ken@rochester.arpa
USnail: Dept. of Comp. Sci., U. of Rochester, NY 14627.

From -785731960644892720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c1eb6d6f06960b96,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,c1eb6d6f06960b96,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1984-12-28 13:30:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!trwrb!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Resource Editor in net.sources
Message-ID: <1316@hao.UUCP>
Date: Fri, 28-Dec-84 16:30:42 EST
Article-I.D.: hao.1316
Posted: Fri Dec 28 16:30:42 1984
Date-Received: Sat, 29-Dec-84 10:28:21 EST
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 3
Xref: dcdwest net.micro.apple:1382 net.micro.mac:211

Since it seems to have been given to the public,

the Resource Editor (not the final version) has been posted to
net.sources.

From 2969639651016431366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,68e38db55ea44bac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-12-31 10:03:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uok!
chumphre
From: chumphre@uok.UUCP
Newsgroups: net.micro.apple
Subject: Fatten MAC for about $300
Message-ID: <4500010@uok.UUCP>
Date: Mon, 31-Dec-84 13:03:00 EST
Article-I.D.: uok.4500010
Posted: Mon Dec 31 13:03:00 1984
Date-Received: Mon, 14-Jan-85 01:35:05 EST
Lines: 13
Nf-ID: #N:uok:4500010:000:543
Nf-From: uok!chumphre   Dec 31 12:03:00 1984

In the January '85 issue (#98) of Dr. Dobbs Journal the cover article
is a set of step by step instructions on how to increase the RAM in
a Macintosh to 512K for approx. $300. That price will probably
fluctuate considerably since it is based on the price of 16 256K RAM
chips, which can cost anywhere from "$15 to $45".

The instructions in the article are more than adequate; and include
all necessary photographs, diagrams, warnings, and trouble shooting
information. The article also lists some sources for the necessary chips.

j

From 6312061477870787791
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,575e63a6f90d5916
X-Google-Attributes: gid159df4,public
X-Google-Thread: 13544e,575e63a6f90d5916
X-Google-Attributes: gid13544e,public
X-Google-Thread: 1622d3,575e63a6f90d5916
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-03 08:48:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!
rochester!ken
From: ken@rochester.UUCP (Ken Yap)

Newsgroups: net.micro.apple,net.micro.68k,net.unix
Subject: Re: Help wanted for Kermit on Lisa Xenix
Message-ID: <5096@rochester.UUCP>
Date: Thu, 3-Jan-85 11:48:28 EST
Article-I.D.: rocheste.5096
Posted: Thu Jan 3 11:48:28 1985
Date-Received: Fri, 4-Jan-85 05:10:55 EST
References: <5008@rochester.UUCP>
Reply-To: ken@rochester.UUCP (Ken Yap)
Organization: U. of Rochester, CS Dept.
Lines: 22
Xref: watmath net.micro.apple:1552 net.micro.68k:503 net.unix:3216
Summary:

A while back I asked if and how Kermit under Xenix could send out a
break signal. As far as I can tell, and no one has contradicted this,
Xenix ioctl(2) calls don't include the capability of sending breaks.
The general suggestion was to fake a break by setting the line to the
lowest possible speed, send out some nulls or dels, and hope the
machine at the other end will treat the framing errors resulting as a
break.

Unfortunately, I have to report that this didn't work with the machine
I had on the other end, a HP3000. C'est la vie. I think its ugly to use
out-of-band signals to interrupt programs, don't you? (BTW, before
some HP wizard starts flaming me, I should mention that ctrl-Y works
for most programs, but not listf, the directory lister.)

Next question: do the HP wizards out there know if some control
character can be designated to interrupt all programs? The usual
e-mail and summarize offer, as always.
--
     Ken Yap

UUCP: (..!{allegra, decvax, seismo}!rochester!ken) ARPA: ken@rochester.arpa
USnail: Dept. of Comp. Sci., U. of Rochester, NY 14627. Voice: Ken!

From -9098487817699861733
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,ed6c94fd63c40e75,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,ed6c94fd63c40e75,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,ed6c94fd63c40e75,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1985-01-04 07:57:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rlgvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!mcnc!philabs!cmcl2!
seismo!rlgvax!geller
From: geller@rlgvax.UUCP (David Geller)
Newsgroups: net.micro,net.micro.pc,net.micro.apple

Subject: New Konica Laser printer announced
Message-ID: <325@rlgvax.UUCP>
Date: Fri, 4-Jan-85 10:57:44 EST
Article-I.D.: rlgvax.325
Posted: Fri Jan 4 10:57:44 1985
Date-Received: Mon, 7-Jan-85 01:54:42 EST
Distribution: net
Organization: CCI Office Systems Group, Reston, VA
Lines: 20
Xref: watmath net.micro:9009 net.micro.pc:3078 net.micro.apple:1555

1/3/84

The most recent issue of PC WEEK (1984 Year in Review) describes a
new laser printer to be manufactured by Konica, the Japanese photography
company. The printer is Konica's own design and is said to be faster and
more durable then several of the small laser printers now on the market
that use the Cannon print engine. Prices, when announced, are expected
to be in the range of $3500 to $4000 for the low-end model with the
ability to add a more advanced adaptor for bit-mapped graphics. This
news is significant in that it affirms many peoples notion of the
direction printers and printing methods are heading towards. Having
used Konica cameras and Hexanon lenses for many years I am more than
eagerly awaiting the release of this new product. I am also sure that
as more units are released and prices drop more and more people will
begin using laser printers.
                        rlgvax!geller
                        David P. Geller

(this information is my own. It should not be considered to be the
opinion or view of my employer)

From -6409374863049134885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7c4711009b08ff4f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-04 09:06:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site analog.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!hao!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell   )
Newsgroups: net.micro.apple
Subject: MacPascal Bug
Message-ID: <164@analog.UUCP>
Date: Fri, 4-Jan-85 12:06:30 EST
Article-I.D.: analog.164
Posted: Fri Jan 4 12:06:30 1985
Date-Received: Tue, 8-Jan-85 03:08:01 EST
Organization: Analog Design Tools, Menlo Park, CA.
Lines: 34

I'm not implying that there is only ONE bug in MacPascal, or anything, but this one is a killer (to me, at any rate)

I am running Pascal on a 512K Mac and trying to develop a fairly large program, with a view to making a stand-alone application of it when the appropriate tools become available and I can afford them. One reviewer of MacPascal led me to believe that a 512K Mac would allow 10000 line programs to run under Pascal.

This appears not to be true. I don't have an exact count of the lines, but the source file for my program is just under 24K, and it is probably no larger than 1500 lines. This is what started happening: I added one or two lines and tried to test things, and got an error message to the effect that I was passing too few parameters to a procedure or function. The little hand pointed to the program header ("Program blotblotblot"). Delete the lines I had added, and then things ran fine. I fiddled around a while, and finally deleted a bunch of code that was no longer needed, and THEN I could add the one or two lines I was trying to add in the first place! All the tests I could bring to bear pointed to a hypothesis that there is an internal invisible limit on code size in MacPascal, which is far lower than the size of memory would lead one to believe. My listing takes 16% of the available memory, and the crash happens before many data structures get initialized, so it is not that I have an inordinate amount of data. BTW, I do have both Quickdraw libraries and the SANE library included-I think these together take about 6% of the available memory.

Is there anyone else who has experienced this? The documentation very carefully omits any reference to a place to call for help or to report bugs, and there is no promise of bug fixes or updates, and no registration that I could see. So, does anyone know to whom I may report this problem? Would Apple be able to help?

{hplabs,menlo70}!analog!kim

From -6454000000468508068
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61c1b55be692842f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-04 10:55:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: TK-Solver
Message-ID: <2636@harpo.UUCP>
Date: Fri, 4-Jan-85 13:55:05 EST
Article-I.D.: harpo.2636
Posted: Fri Jan 4 13:55:05 1985
Date-Received: Sat, 5-Jan-85 23:54:47 EST
Sender: bob@harpo.UUCP

Organization: AT&T Bell Laboratories, Whippany
Lines: 5
Nf-ID: #N::37600015:000:132
Nf-From: !bob   Jan 4 13:54:00 1985

TK-solver is available for the][E. Can anyone tell me if it's available
for the []+? How do you like the program?
                        harpo!bob

From 5594172034385135325
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,61c1b55be692842f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-04 12:08:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: TK-Solver
Message-ID: <2637@harpo.UUCP>
Date: Fri, 4-Jan-85 15:08:42 EST
Article-I.D.: harpo.2637
Posted: Fri Jan 4 15:08:42 1985
Date-Received: Sat, 5-Jan-85 23:54:07 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 5
Nf-ID: #N::37600015:000:132
Nf-From: !bob   Jan 4 13:54:00 1985

TK-solver is available for the][E. Can anyone tell me if it's available
for the []+? How do you like the program?
                        harpo!bob

From 4074047852104450959
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bbce2d8fdd1aebc3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-05 21:20:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 v7 ucbtopaz-1.8; site
ucbtopaz.CC.Berkeley.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!ucbvax!ucbtopaz!
dina
From: dina@ucbtopaz.CC.Berkeley.ARPA
Newsgroups: net.micro.apple
Subject: Novation Apple-Cat modem problem
Message-ID: <617@ucbtopaz.CC.Berkeley.ARPA>
Date: Sun, 6-Jan-85 00:20:21 EST
Article-I.D.: ucbtopaz.617

Posted: Sun Jan 6 00:20:21 1985
Date-Received: Tue, 8-Jan-85 02:59:58 EST
Organization: Univ. of Calif., Berkeley CA USA
Lines: 24

I have a two-year old apple //e with a Novation Apple-Cat 300 baud
modem. The following problem has existed ever since I purchased the
system:

If the system is booted up cold and I dial out, a connection
will always be established upon the first try. However, when
booting up and attempting to dial out *after* using the apple
for more than a few minutes, a connection with the host will
NOT be established, regardless of who or what is being dialed.
The time necessary to elapse before I can successfully dial out
and establish a connection again seems to equal the time the apple
was left on prior to dialing.

I sent the modem back to Novation earlier this year, and it was
returned "fixed" according to them. However, the problem still
remains; the necessary elapse time was just reduced a little.

Does anybody have any insight as to what this problem is caused
by (heat?) and what the cure might be?
Thanks in advance,

Dina Street

ucbvax\!ucbtopaz\!dina

From 6653644193367401743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dbf34ca649f98180,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-06 22:16:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 v7 ucbtopaz-1.8; site
ucbtopaz.CC.Berkeley.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!ucbvax!ucbtopaz!
dina
From: dina@ucbtopaz.CC.Berkeley.ARPA
Newsgroups: net.micro.apple
Subject: Upgrading a 300-baud modem
Message-ID: <619@ucbtopaz.CC.Berkeley.ARPA>
Date: Mon, 7-Jan-85 01:16:05 EST
Article-I.D.: ucbtopaz.619
Posted: Mon Jan 7 01:16:05 1985
Date-Received: Tue, 8-Jan-85 07:52:16 EST
Organization: Univ. of Calif., Berkeley CA USA
Lines: 11

I have a 300 baud Novation Apple Cat modem. Since I find myself
using it much more than originally anticipated, I'd like to upgrade
it to 1200 baud. Can this be done without buying a new modem?

All comments and suggestions appreciated.

Dina Street

ucbvax\!ucbtopaz\!dina

From 1833849806101279674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5a826f71fd23727,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-07 10:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uokvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uokvax!sbyunker
From: sbyunker@uokvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple][Printers
Message-ID: <10500003@uokvax.UUCP>
Date: Mon, 7-Jan-85 13:58:00 EST
Article-I.D.: uokvax.10500003
Posted: Mon Jan 7 13:58:00 1985
Date-Received: Sat, 12-Jan-85 00:01:24 EST
References: <2930@ucla-cs.UUCP>
Lines: 25
Nf-ID: #R:ucla-cs:-293000:uokvax:10500003:000:1130
Nf-From: uokvax!sbyunker   Jan 7 12:58:00 1985

/***** uokvax:net.micro.appl / sbyunker / 12:58 pm Jan 7, 1985 */
/***** uokvax:net.micro.appl / ucla-cs!faigin / 12:10 am Dec 27, 1984 */
I am looking for printers for the Apple][+. I am mainly looking
for an Okidata, Epson, or a Gemini. Which is the best to use with
the Apple? Which is the cheapest and where I can find one
below list price (I am located in the Los Angeles area).

I do not subscribe to this group, so please reply via electronic
mail.

--

                                                | THIS SPACE
Daniel P. Faigin | UNDER CONSTRUCTION
University of California at Los Angeles |
                                                | A new high-rise office

UUCP: {cepu|ihnp4|trwspp|ucbvax}!ucla-cs!faigin | building is being constructed
ARPA: faigin@UCLA-CS.ARPA | on this site.
USPS (Home): 11743 Darlington Avenue #9 |
Los Angeles CA 90049 | Full lines available. Call
(213) 826-3357 | 555-1234 for leasing info.
/* ---------- */
/* ---------- */

From 7545108395998265401
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f5a826f71fd23727
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-07 10:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uokvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!ihnp4!inuxc!pur-ee!
uiucdcs!uokvax!sbyunker
From: sbyunker@uokvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple][Printers
Message-ID: <10500002@uokvax.UUCP>
Date: Mon, 7-Jan-85 13:58:00 EST
Article-I.D.: uokvax.10500002
Posted: Mon Jan 7 13:58:00 1985
Date-Received: Sat, 12-Jan-85 00:00:58 EST
References: <2930@ucla-cs.UUCP>
Lines: 23
Nf-ID: #R:ucla-cs:-293000:uokvax:10500002:37777777600:1045
Nf-From: uokvax!sbyunker Jan 7 12:58:00 1985

/***** uokvax:net.micro.appl / ucla-cs!faigin / 12:10 am Dec 27, 1984 */
I am looking for printers for the Apple][+. I am mainly looking
for an Okidata, Epson, or a Gemini. Which is the best to use with
the Apple? Which is the cheapest and where I can find one
below list price (I am located in the Los Angeles area).

I do not subscribe to this group, so please reply via electronic
mail.

--

| THIS SPACE
Daniel P. Faigin | UNDER CONSTRUCTION
University of California at Los Angeles |
| A new high-rise office
UUCP: {cepu|ihnp4|trwspp|ucbvax}!ucla-cs!faigin | building is being constructed
ARPA: faigin@UCLA-CS.ARPA | on this site.
USPS (Home): 11743 Darlington Avenue #9 |
Los Angeles CA 90049 | Full lines available. Call
(213) 826-3357 | 555-1234 for leasing info.

/* ---------- */

From -172207694151752113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,909e3e73f305f9b3,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,909e3e73f305f9b3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-07 16:57:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!watmath!sunybcs!ugdaves
From: ugdaves@sunybcs.UUCP (David J. Szczepanski)
Newsgroups: net.micro,net.micro.apple
Subject: Prometheus ProModem 1200
Message-ID: <1020@sunybcs.UUCP>
Date: Mon, 7-Jan-85 19:57:12 EST
Article-I.D.: sunybcs.1020
Posted: Mon Jan 7 19:57:12 1985
Date-Received: Tue, 8-Jan-85 04:00:39 EST
Distribution: net
Organization: State University of New York @ Buffalo,NY
Lines: 24
Xref: watmath net.micro:9016 net.micro.apple:1558

  I have had a ProModem for about a year, and have noticed that some of the things that are mentioned in the manual are not true. For instance, if the line is busy the manual says that the modem should detect the busy signal, hang up and try again. This does not happen. Also if you have the options processor installed you have the ability to create logon macros, which I have not been able to get to work as of yet. Another problem with the options processor, is with its ability to send and receive messages at preset times, this does not work either. When attempting to receive , it will answer the phone , detect carrier and then hang up. Other than these problems, I have been satisfied with the operation of the modem. If anyone has had the same problems, and knows of a solution please send me mail. Also if you have any other problems, send mail. If there are many responses I will summarize to the net.

Thank you,
Dave Szczepanski

--
...Dave Szczepanski

...{burdvax, rocksvax, bbncca, decvax, dual, rocksanne, watmath}!sunybcs!ugdaves

From 8369232728751961309

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9657e0451b43efa7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-08 12:49:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuphys.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!we53!busch!wucs!wuphys!fek
From: fek@wuphys.UUCP (Frank Kramer)
Newsgroups: net.micro.apple
Subject: Graphics dump from Apple Pascal ?
Message-ID: <188@wuphys.UUCP>
Date: Tue, 8-Jan-85 15:49:00 EST
Article-I.D.: wuphys.188
Posted: Tue Jan 8 15:49:00 1985
Date-Received: Thu, 10-Jan-85 06:38:20 EST
Distribution: net
Organization: Physics Dept., Washington Univ. in St. Louis
Lines: 9

*
Does anyone out there know of a routine that will produce a dump of the
graphics screen to a printer from within an Apple Pascal program ? I
would appreciate anything from a note on a commercially available
package to the algorithms for an ass'y language routine. Thanking you
in advance -

                    Frank Kramer
                    WUPHYS

From -8697509389507140146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5101f747684b232b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 06:33:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on PIE Writer group needed
Message-ID: <2638@harpo.UUCP>
Date: Wed, 9-Jan-85 09:33:12 EST
Article-I.D.: harpo.2638
Posted: Wed Jan 9 09:33:12 1985
Date-Received: Fri, 11-Jan-85 22:31:17 EST
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 4
Nf-ID: #N::37600016:000:153
Nf-From: !bob   Jan 9 09:33:00 1985

Can anyone give information on how to contact the PIE Writer group (a

group of enthusiasts using the PIE writer word processor package.)
harpo!bob

From 2268597746705263503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5101f747684b232b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 09:12:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on PIE Writer group needed
Message-ID: <2639@harpo.UUCP>
Date: Wed, 9-Jan-85 12:12:41 EST
Article-I.D.: harpo.2639
Posted: Wed Jan 9 12:12:41 1985
Date-Received: Fri, 11-Jan-85 22:46:17 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 4
Nf-ID: #N::37600016:000:153
Nf-From: !bob   Jan 9 09:33:00 1985

Can anyone give information on how to contact the PIE Writer group (a
group of enthusiasts using the PIE writer word processor package.)
harpo!bob

From 7688301004891526569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 120a1f,e35771fdefc06a8b,start
X-Google-Attributes: gid120a1f,public
X-Google-Thread: 1622d3,e35771fdefc06a8b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 12:02:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncrcae.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!akgua!mcnc!ncsu!
ncrcae!bens
From: bens@ncrcae.UUCP (Ben Solkofske)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: wanted, termcap for apple IIe
Message-ID: <2096@ncrcae.UUCP>
Date: Wed, 9-Jan-85 15:02:58 EST
Article-I.D.: ncrcae.2096
Posted: Wed Jan 9 15:02:58 1985
Date-Received: Sat, 12-Jan-85 07:10:14 EST
Organization: NCR, Columbia, SC
Lines: 7
Xref: watmath net.micro.apple:1572 net.wanted.sources:295

Anyone have a termcap entry for the apple IIe?
Using the 80-column card, modem is Hayes micromodem IIe.

     Thanks,
     Ben Solkofske
     decvax!mcnc!ncsu!ncrcae!bens
     akgua!usceast!ncrcae!bens

From -3389531331480598507
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ccd1ff69e33a77ea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 12:32:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!umcp-cs!cvl!hsu
From: hsu@cvl.UUCP (David Hsu)
Newsgroups: net.micro.apple
Subject: More Mac rumors, probably old
Message-ID: <1604@cvl.UUCP>
Date: Wed, 9-Jan-85 15:32:54 EST
Article-I.D.: cvl.1604
Posted: Wed Jan 9 15:32:54 1985
Date-Received: Sat, 12-Jan-85 07:05:40 EST
Distribution: net
Organization: Computer Vision Lab, U. of Maryland, College Park
Lines: 17

   Okay....assorted rumors about the Mac II to be announced later this
month at Apple's meeting (or so I hear).

1) Of course, color is the big expectation.
2) 1 Meg of memory is the other big expectation.
3) Actually, double sided drives are another hope.
   I get conflicting news about one or two internal, though.
4) Production of the Appleline interfaces (finally). Not everybody
   is hoping, though.
5) High-speed hard disk interface port...no more serial crud.
6) 12 inch monitor.

Anybody hear anything else??

                            -Dave
Arpanet: hsu@cvl

From -7180491800626392455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dbf34ca649f98180

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 15:22:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc13.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!akgua!sdcsvax!
sdcc3!sdcc13!ee161anm
From: ee161anm@sdcc13.UUCP ({|stu)
Newsgroups: net.micro.apple
Subject: Re: Upgrading a 300-baud modem
Message-ID: <127@sdcc13.UUCP>
Date: Wed, 9-Jan-85 18:22:28 EST
Article-I.D.: sdcc13.127
Posted: Wed Jan 9 18:22:28 1985
Date-Received: Sat, 12-Jan-85 07:11:05 EST
References: <619@ucbtopaz.CC.Berkeley.ARPA>
Organization: U.C. San Diego, Academic Computer Center
Lines: 9

>
>
> I have a 300 baud Novation Apple Cat modem. Since I find myself
> using it much more than originally anticipated, I'd like to upgrade
> it to 1200 baud. Can this be done without buying a new modem?
>

Yeah!   Novation sells an upgrade card which converts your 300 baud
apple cat modem to a 300/1200 baud modem. That's what I use.

From 3763392520371352588
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13544e,575e63a6f90d5916
X-Google-Attributes: gid13544e,public
X-Google-Thread: 159df4,575e63a6f90d5916
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,575e63a6f90d5916
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 20:50:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!
rochester!ken
From: ken@rochester.UUCP (Ken Yap)
Newsgroups: net.micro.apple,net.micro.68k,net.unix
Subject: Re: Help wanted for Kermit on Lisa Xenix
Message-ID: <5229@rochester.UUCP>
Date: Wed, 9-Jan-85 23:50:13 EST
Article-I.D.: rocheste.5229
Posted: Wed Jan 9 23:50:13 1985
Date-Received: Sat, 12-Jan-85 00:43:43 EST
References: <5008@rochester.UUCP> <5096@rochester.UUCP>
Reply-To: ken@rochester.UUCP (Ken Yap)
Organization: U. of Rochester, CS Dept.

Lines: 15
Xref: watmath net.micro.apple:1569 net.micro.68k:505 net.unix:3273
Summary:

A while back I stated that Xenix had no ioctl(2) call to assert a
break signal on the line. It turns out that I was wrong. My only excuse
is that pages were missing from the tty(M) entry. See below:

From Cliff Neighbors:
The Santa Cruz Operation, Inc.

in system III one uses the ioctl TCSBRK command to send a break;
(refer to section TTY(M) of the XENIX Operating System Reference
Commands (M) section); the lisa zscc serial driver supports this command.
--
     Ken Yap

UUCP: (..!{allegra, decvax, seismo}!rochester!ken) ARPA: ken@rochester.arpa
USnail: Dept. of Comp. Sci., U. of Rochester, NY 14627. Voice: Ken!

From -3475697352726263750
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93c5b0e3ffac2367,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-09 22:24:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gitpyr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxlm!akgua!gatech!
gitpyr!msj
From: msj@gitpyr.UUCP (Mike St. Johns)
Newsgroups: net.micro.apple
Subject: Apple (super?) serial interface
Message-ID: <466@gitpyr.UUCP>
Date: Thu, 10-Jan-85 01:24:57 EST
Article-I.D.: gitpyr.466
Posted: Thu Jan 10 01:24:57 1985
Date-Received: Sat, 12-Jan-85 06:13:27 EST
Reply-To: msj@gitpyr.UUCP (Mike St. Johns)
Organization: Georgia Institute of Technology
Lines: 17

I have and Apple IIc and have been trying to find enough information on
it to write my own psuedo-VT100 terminal emulator. I have enough information
on ProDOS, the keyboard and screen routines, what I can't find is info
on the serial interfaces that are built it. My current terminal program
(Ascii Express Pro V2) works pretty well, and it seems to think that the
card is a super-serial card. Does anyone have any info on this card?

What I need are word and bit assignments for the 16 byte locations per slot
north of $C090, as well as any interesting addresses for built in routines.
For example, how to send an interrupt (break) signal? Mail to me or

post back to this news group. Mike
--
Mike St. Johns
Georgia Insitute of Technology, Atlanta Georgia, 30332
...!{akgua,allegra,amd,hplabs,ihnp4,seismo,ut-ngp}!gatech!gitpyr!msj
StJohns@MIT-Multics.ARPA (404) 982-0035

From 3703813883233620749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9657e0451b43efa7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-10 05:58:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP (Dave Newkirk)
Newsgroups: net.micro.apple
Subject: Re: Graphics dump from Apple Pascal ?
Message-ID: <1477@ihuxl.UUCP>
Date: Thu, 10-Jan-85 08:58:54 EST
Article-I.D.: ihuxl.1477
Posted: Thu Jan 10 08:58:54 1985
Date-Received: Sat, 12-Jan-85 00:30:30 EST
References: <188@wuphys.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 6

My brother says that if you have Applesoft in ROM, the Zoom Graphics program
can recover the picture. Zoom Graphics is available from most stores and
mail order services. Since it depends on Applesoft routines, you need Applesoft
in ROM at the same time the picture is stored in RAM.

Dave Newkirk, ihnp4!ihuxl!dcn

From 5915593205455827321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,8009ee6252ac5267,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,8009ee6252ac5267,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14d0b9,8009ee6252ac5267,start
X-Google-Attributes: gid14d0b9,public
X-Google-ArrivalTime: 1985-01-10 12:34:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!watmath!sunybcs!ugnorman
From: ugnorman@sunybcs.UUCP (Stephen Norman)
Newsgroups: net.micro.apple,net.micro.mac,fa.info-mac
Subject: Memory usage by MacPaint
Message-ID: <1028@sunybcs.UUCP>
Date: Thu, 10-Jan-85 15:34:29 EST

Article-I.D.: sunybcs.1028
Posted: Thu Jan 10 15:34:29 1985
Date-Received: Fri, 11-Jan-85 03:34:19 EST
Distribution: net
Organization: State University of New York @ Buffalo,NY
Lines: 8
Xref: watmath net.micro.apple:1562 net.micro.mac:271 fa.info-mac:1358

I need to know how much memory (& disk space) one full page of text & graphics will occupy in the Mac (& on a disk, hard or floppy) using MacPaint.

SRN

thanx

From -6519179535830265002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,41e002b04fd84198,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 14d0b9,41e002b04fd84198,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 152df8,41e002b04fd84198,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,41e002b04fd84198,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-10 12:36:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sunybcs.UUCP
Path: utzoo!watmath!sunybcs!ugnorman
From: ugnorman@sunybcs.UUCP (Stephen Norman)
Newsgroups: net.lang.pascal,net.micro.apple,net.micro.mac,fa.info-mac
Subject: Pascal on the Mac
Message-ID: <1029@sunybcs.UUCP>
Date: Thu, 10-Jan-85 15:36:39 EST
Article-I.D.: sunybcs.1029
Posted: Thu Jan 10 15:36:39 1985
Date-Received: Fri, 11-Jan-85 03:35:16 EST
Distribution: net
Organization: State University of New York @ Buffalo,NY
Lines: 10
Xref: watmath net.lang.pascal:174 net.micro.apple:1563 net.micro.mac:272 fa.info-mac:1359

I was wondering, since the Mac can run programs written in Pascal (UCSD), can a person run P-code written on an Apple II + on the Mac? What does the Mac actually use in terms of Pascal and P-code from the P-machine?

SRN

thanx

From -422774794927120363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fc94625e0112ba4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-10 19:48:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!brl-tgr!scooper
From: scooper@brl-tgr.ARPA (Stephan Cooper)
Newsgroups: net.micro.apple
Subject: Screen dump in graphics mode
Message-ID: <7204@brl-tgr.ARPA>
Date: Thu, 10-Jan-85 22:48:23 EST
Article-I.D.: brl-tgr.7204
Posted: Thu Jan 10 22:48:23 1985
Date-Received: Sun, 13-Jan-85 07:44:20 EST
Distribution: net
Organization: Ballistic Research Lab
Lines: 12

I have the misfortune of attempting to get my Apple Imagewriter to print
graphics. The situation is as follows:

I have a picture on the Apple screen constructed through a crude
  Pascal drawing program.
My problem is that I want a hard copy printout of the picture.
How can this be accomplished? Is it possible to do a "screen dump" of
the graphics screen? If so, how? If it is not possible, how can I get
my printer to print the picture?

Thanks
-Steve

From -4687461276229328988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: fc3d0,fd9966d140709b03,start
X-Google-Attributes: gidfc3d0,public
X-Google-Thread: 115981,fd9966d140709b03,start
X-Google-Attributes: gid115981,public
X-Google-Thread: 10643c,fd9966d140709b03,start
X-Google-Attributes: gid10643c,public
X-Google-Thread: 1622d3,fd9966d140709b03,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-11 08:14:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.UUCP

Path: utzoo!utcs!hobie
From: hobie@utcs.UUCP (Hobie Orris)
Newsgroups: ut.general,tor.general,ont.general,net.micro.apple
Subject: Apple compatible 4 sale (Toronto - reposting)
Message-ID: <326@utcs.UUCP>
Date: Fri, 11-Jan-85 11:14:27 EST
Article-I.D.: utcs.326
Posted: Fri Jan 11 11:14:27 1985
Date-Received: Fri, 11-Jan-85 11:27:33 EST
Organization: University of Toronto - General Purpose UNIX
Lines: 35

APPLE COMPATIBLE COMPUTER
---

* Computer with 64K (48K + ramcard)
  * IBM style case
  * Portable keyboard with 10 programmable function keys
    and 67 BASIC functions and auto-repeat
* Disk drive and controller card
* 5A power supply
* Serial card and manual modem
* Integer BASIC card
* Speech synthesis card
* RGB card
* 70 disks of software (business and games)
* Z80 card
* Wizard printer card

All this for only $1800
(or best offer)

This system belongs to a friend who is rarely at home, so please
respond to me via mail, leaving your phone number if possible.
I'll ask him to contact you.
--

--

"I'll be back! ... With nuclear weapons!

Hobie Orris University of Toronto {decvax|harpo|ihnp4}!utcs!hobie
Computing Services

From -1726262324122658578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d9ba45530780f00,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-01-11 18:15:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site calmasd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!harpo!whuxlm!akgua!
sdcsvax!sdcc6!calmasd!cjn
From: cjn@calmasd.UUCP (Cheryl Nemeth)
Newsgroups: net.micro.apple
Subject: Word processing
Message-ID: <234@calmasd.UUCP>
Date: Fri, 11-Jan-85 21:15:57 EST
Article-I.D.: calmasd.234
Posted: Fri Jan 11 21:15:57 1985
Date-Received: Mon, 14-Jan-85 03:04:48 EST
Organization: Calma Company, San Diego, CA
Lines: 13
Summary:

References:
Sender:
Reply-To: cjn@calmasd.UUCP (Cheryl Nemeth)
Followup-To:
Distribution: net
Organization: Calma Company, San Diego
Keywords: word processing

What's the best word processing program out there for the Apple II+?
(I realize this is extremely subjective. What I'm really looking for
is reviews. --- Thanks)

Cheryl Nemeth

From 2718058106446569375
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49d92ba14aec26c9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-13 14:18:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gatech.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gatech!wan
From: wan@gatech.UUCP (Peter N. Wan)
Newsgroups: net.micro.apple
Subject: Data Acquisition Interfaces for Apple IIe
Message-ID: <11636@gatech.UUCP>
Date: Sun, 13-Jan-85 17:18:03 EST
Article-I.D.: gatech.11636
Posted: Sun Jan 13 17:18:03 1985
Date-Received: Mon, 14-Jan-85 04:53:01 EST
Distribution: net
Organization: School of ICS, Georgia Tech (Atlanta, Georgia)
Lines: 15

A friend of mine would like to know if there are interfaces

for data acquisition equipment to Apple IIe machines. He
runs a chemistry lab with pH testers, spectrometers, etc.
and would like to be able to sample and store data under the
control of his Apple IIe. If someone knows of any such
interfaces (hardware/software), I'd like to know who the
manufacturer is, and the type of interface used.

Please send mail responses, since I do not normally read this
newsgroup. I will summarize to the net if necessary. Thanks.
     Peter
--
Peter N Wan
UUCP : ...!{akgua,allegra,ihnp4,rlgvax,ut-ngp,ut-sally}!gatech!wan
ARPA : Wan%GaTech.CSNet@CSNet-Relay.Arpa CSNET : Wan@GaTech

From -5315612502062143246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,c90b5cbfbba9fbe4,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,c90b5cbfbba9fbe4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-14 20:19:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.mac,net.micro.apple
Subject: >512K mac...
Message-ID: <1336@hao.UUCP>
Date: Mon, 14-Jan-85 23:19:35 EST
Article-I.D.: hao.1336
Posted: Mon Jan 14 23:19:35 1985
Date-Received: Thu, 17-Jan-85 03:45:08 EST
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 44
Xref: watmath net.micro.mac:342 net.micro.apple:1579

<>

I am helping to design upgrades for the macintosh. The lowest
level upgrade is for 1M byte. That hopefully will cost only
about $1000 or less. The 1 meg board will go inside of the mac,
and the mac will look no different from the outside. However,
it will have 1 meg of memory plus the memory that the mac already
had (1.5 meg total if you had a 512K mac) that runs twice as
fast as the regular mac ram because it is DMA. We have designed
boards going up to 8 meg. We have implemented our design up
to the 4 meg level. Here is what we are planning to do: You
can buy the 1 meg upgrade, and it will be internal with a connector
that is invisible from the outside of the mac (like the interrupt

and reset switches) on the bottom right vents. If you connect
the card-cage that we are designing to the connector, you can
add several additional things... more memory, a color board we
have designed, a speedup board, and some others... The card
cage has a case like the mac's, and it fits snugly under the
mac, adding 5 inches to the mac's height, and no inches to it's
footprint.

The question: Is this what you guys in netland really want?
Do you have any questions or suggestions?
Please let me know, because we are really doing this to make
the macintosh a REALLY serious machine. Since our product will
be compatible with the hyper drive, and any other hard drives,
the mac can become sort of like a mini-computer. Imagine 8 Meg
of ram and a 192 meg hard drive...

Dave Kliman
70 Glen Cove Drive
Glen Head, NY 11545
(516) 671-1301
to be found somewhere near sjuvax!drexel!dave
presby!drexel!dave

--

Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -2344815257234325678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ccd1ff69e33a77ea
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-14 22:03:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site topaz.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!topaz!friedman
From: friedman@topaz.ARPA (Gadi Friedman)
Newsgroups: net.micro.apple
Subject: Re: More Mac rumors, probably old
Message-ID: <267@topaz.ARPA>
Date: Tue, 15-Jan-85 01:03:06 EST
Article-I.D.: topaz.267
Posted: Tue Jan 15 01:03:06 1985
Date-Received: Thu, 17-Jan-85 03:45:35 EST
References: <1604@cvl.UUCP>
Distribution: net
Organization: Rutgers Univ., New Brunswick, N.J.

Lines: 17

I heard this from some guy in the local computer store.
He seemed reliable and clamed to have on on order already.

He said Apple will be coming out with a Turbo-Mac this Summer.
It will contain up to 2MB ram, 68020 processor, color and
an internal 960k double sided sony drive. He said the special
price (for developers or dealers or something) will be $1800
dollars.

He also said Apple will anounce that in is stopping to manufactue
the Lisa computers Completely.

-Gadi

P.S. This is only a rumer, but he seemed like he knew what he was
talking about....

From 8154924590341939577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d9ba45530780f00
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-15 09:52:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site txsil.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!txsil!
larry
From: larry@txsil.UUCP
Newsgroups: net.micro.apple
Subject: Re: Word processing
Message-ID: <16200003@txsil.UUCP>
Date: Tue, 15-Jan-85 12:52:00 EST
Article-I.D.: txsil.16200003
Posted: Tue Jan 15 12:52:00 1985
Date-Received: Thu, 17-Jan-85 04:43:56 EST
References: <234@calmasd.UUCP>
Lines: 16
Nf-ID: #R:calmasd:-23400:txsil:16200003:000:604
Nf-From: txsil!larry   Jan 15 11:52:00 1985

Pie Writer < Hayden Software

I certainly don't have time to write a software review, but Pie Writer
is a very functional text editor and formatter. Pie Writer's roots go
back to QED (forerunner to vi (?)).   For an Apple][WP program, it
has an abundance of commands for manipulating text.

The text formatting commands have to be imbedded in the document.
They take the form of nroff dot commands, and most of them are identical
or very similar to corresponding nroff commands.

Very robust, fast, nice user interface. Especially friendly to vi and
nroff users. $150.

     Larry Versaw, SIL Dallas

From -2452705175367319035
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,c90b5cbfbba9fbe4
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,c90b5cbfbba9fbe4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-15 15:45:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cmu-cs-k.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!rochester!cmu-cs-pt!cmu-cs-k!tim
From: tim@cmu-cs-k.ARPA (Tim Maroney)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: >512K mac...
Message-ID: <20980069@cmu-cs-k.ARPA>
Date: Tue, 15-Jan-85 18:45:26 EST
Article-I.D.: cmu-cs-k.20980069
Posted: Tue Jan 15 18:45:26 1985
Date-Received: Fri, 18-Jan-85 01:43:02 EST
References: <1336@hao.UUCP>
Organization: Carnegie-Mellon University, CS/RI
Lines: 17
Xref: watmath net.micro.mac:354 net.micro.apple:1583

Those sound like very worthwhile upgrades. What I would really like to see
more than anything else is virtual memory, though. You could put a memory
management chip on the memory expansion boards, or replace the 68000 with a
line to a board containing a 68000 with memory management. Probably the
former would be preferable. This would enable the Mac to run 4.2bsd,
although the porting effort would be significant. If it could be done under
$2000, you would have a guaranteed market here at C-MU, since all students
will soon be required to obtain a cheap 4.2bsd workstation (which one is
under discussion) to hook up to the VICE network in early 1986.
-=-
Tim Maroney, Carnegie-Mellon University Computation Center
ARPA: Tim.Maroney@CMU-CS-K   uucp: seismo!cmu-cs-k!tim
CompuServe: 74176,1360   audio: shout "Hey, Tim!"

"Remember all ye that existence is pure joy; that all the sorrows are
but as shadows; they pass & are done; but there is that which remains."
Liber AL, II:9.

From -2772293195325725218
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,ef86ae55aed453f8,start

X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,ef86ae55aed453f8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-15 22:58:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!tektronix!reed!
maclab
From: maclab@reed.UUCP (Mac Lab Login)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Mac Millisecond Timing / Serial Technology
Message-ID: <813@reed.UUCP>
Date: Wed, 16-Jan-85 01:58:19 EST
Article-I.D.: reed.813
Posted: Wed Jan 16 01:58:19 1985
Date-Received: Fri, 18-Jan-85 03:29:33 EST
Organization: Reed College, Portland, Oregon
Lines: 66
Xref: watmath net.micro.apple:1585 net.micro.mac:363

Millisecond Timing

I have written a short piece of Assembler code which adds millisecond- precision timing to the Macintosh's list of desirable features. The code is very simple (it sets up the VIA to generate millisecond interrupts -- a short interrupt handler increments a long-word memory location after each interrupt). It is designed to be used with assembler, pascal, MSBasic, (Mac Basic?), and perhaps MacPascal (for interpreted languages on the Mac, the code is short enough to poke into memory; a CALL statement will pass the interrupt handler a pointer to the variable you want to use as the timer location -- then just read the variable whenever you need to see how many milliseconds have elapsed). If you are interested, mail me a request, and I will send you the code.

Serial Technology

I currently work in the Reed College "MacLab." Reed College has a particularly aggressive 5 Year Master plan for aquiring and implementing computing resources, which involves loaning every student on campus a Macintosh. We are a small group, located in the physics department, who are dedicated to Macintosh development and problem solving for the Reed Community. The MacLab has developed several software packages (now being sold by an outside vendor) --

GriffinTerminal -- a Tektronix 4012 emulator for the Mac, with
quickdraw support, file transfer, mouse button
interrogation,
etc. etc...

GriffinText -- a fast, 32K ASCII text editor for the Mac

AELM-51 -- An Intel MCS-51 mnemonic assembler/editor/downloader/
terminal for the Mac.

We are particularly obsessed with controlling external devices (primarily networks of 8051 microcontroller single-board computers which we have designed) and methods of collecting and displaying real-world data with the Macintosh. A real-time-oriented compiled Pascal for the Macintosh is our pet project at the moment, along with a Finder-like (icon-oriented) interface to our external hardware networks.

If you have similar interests, or if you would like to know more about what we are doing, we're always glad to talk, via USENET or telephone or US mail.

-Scott

MacLab
Physics Department
Reed College
Portland, OR 97202
(503) 771-1112 x277

Scott Gillespie	-- programmer/coordinator
Rick Wood	-- Serial Specialist (GriffinTerminal Author)
Greg Stein	-- Assembler/Compiler-writer extroardinaire
Marianne Colgrove	-- MacPascal Expert/Telephone Diplomat/PR
Zoe Mendell	-- Mac-Nerd expert/misc. support
Prof. Richard Crandall	-- Supervisor/Hardware Ace/Idea Generator

From -1628236999499100649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,212ad04213fbccf9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-16 08:31:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site wanginst.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!wanginst!vishniac
From: vishniac@wanginst.UUCP (Ephraim Vishniac)
Newsgroups: net.micro.apple
Subject: Wanted: Original "Adventure" for Apple][
Message-ID: <107@wanginst.UUCP>
Date: Wed, 16-Jan-85 11:31:37 EST
Article-I.D.: wanginst.107
Posted: Wed Jan 16 11:31:37 1985
Date-Received: Fri, 18-Jan-85 02:14:02 EST
Distribution: net
Organization: Wang Institute, Tyngsboro, Ma. 01879

Lines: 9

Where can I obtain a version of the original Crowther/Woods (?)
Adventure game suitable for the Apple][e or][c?

Please reply by mail, as I imagine the answer is not of general
interest to the net.

Ephraim Vishniac
decvax!wanginst!vishniac

From 2346486495111280876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bf6ff7457d961d90,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,bf6ff7457d961d90,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 120a1f,bf6ff7457d961d90,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-01-16 13:30:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC830713); site uva.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!mcvax!uva!dolf
From: dolf@uva.UUCP (Dolf Starreveld)
Newsgroups: net.micro.mac,net.micro.apple,net.wanted.sources
Subject: Need Xlisp 1.2 info
Message-ID: <158@uva.UUCP>
Date: Wed, 16-Jan-85 16:30:20 EST
Article-I.D.: uva.158
Posted: Wed Jan 16 16:30:20 1985
Date-Received: Sun, 20-Jan-85 01:34:49 EST
Reply-To: dolf@uva.UUCP (Dolf Starreveld)
Organization: Comp. Science Dept., University of Amsterdam
Lines: 21
Xref: watmath net.micro.mac:381 net.micro.apple:1588 net.wanted.sources:335

Some while ago, someone posted a binhex version of xlisps version 1.2 for the
Macintosh. I know lisp, but don't know Xlisp.
I found out by examining the source that you can do something with
classes etc, but how.

Can anybody provide me with some documentation on xlisps, may be in
particular, about xlisp 1.2 for the Macintosh ??

Thanks,

--
Dolf Starreveld

Computer Science Department
University of Amsterdam
The Netherlands

{philabs, decvax, seismo}!mcvax!uva!dolf

From 2666662478261786760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,8c102a494cfb9c64,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,8c102a494cfb9c64,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,8c102a494cfb9c64,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-01-16 13:40:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hou5a.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!vax135!ariel!hou5f!hou5g!
hou5h!hou5a!ihw
From: ihw@hou5a.UUCP (I Walkenfeld)
Newsgroups: net.micro.mac,net.micro.apple,net.lang.pascal
Subject: Wanted: p-system software
Message-ID: <643@hou5a.UUCP>
Date: Wed, 16-Jan-85 16:40:05 EST
Article-I.D.: hou5a.643
Posted: Wed Jan 16 16:40:05 1985
Date-Received: Thu, 17-Jan-85 14:02:21 EST
Organization: AT&T Information Systems Laboratories, Holmdel, NJ
Lines: 27
Xref: watmath net.micro.mac:349 net.micro.apple:1582 net.lang.pascal:197

[...]

I recently bought a UCSD Pascal p-system with my Macintosh and am
looking for a few things to feed it.

1. p-system programs, either for Mac or other systems (they're
   supposedly portable). Public domain sources preferable but
   not essential.
   (Also, libraries.)

2. information on transfering from one p-system to another, and, if
   possible, from a non-p-system to a p-system (and
   vice-versa).

3. Macintosh routines to access the Mac toolbox & Quickdraw
   routines. (The few subroutines included are not really sufficient.)

4. Information about p-system user's groups, newsletter, etc.

Mail is okay (I'll summarize to the net if it looks like people are
interested). Post to the net if you want, though.

Thanks very much for any help or directions.

Irwin Walkenfeld
AT&T Information Systems - Holmdel, NJ
...!hou5a!ihw

From -6596729740585496955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d9ba45530780f00
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-17 05:46:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site zeppo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!harpo!zeppo!bob
From: bob@zeppo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Word processing
Message-ID: <1127@zeppo.UUCP>
Date: Thu, 17-Jan-85 08:46:21 EST
Article-I.D.: zeppo.1127
Posted: Thu Jan 17 08:46:21 1985
Date-Received: Sat, 19-Jan-85 00:43:25 EST
Sender: bob@zeppo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 6
Nf-ID: #R:calmasd:-23400:zeppo:23600002:000:207
Nf-From: zeppo!bob   Jan 17 08:46:00 1985

 I echo the vote for PIE. It supports dot matrix printers exceptionally well.
If you have CPM, WORDSTAR is excellent also but it doesn't support
all the bells and whistles on dot matrix printers as easily.

From 6463898892021831745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,a3796982e89a14f6,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,a3796982e89a14f6,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,a3796982e89a14f6,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-01-17 13:33:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site cylixd.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!hplabs!hpda!fortune!amdcad!decwrl!
decvax!harpo!whuxlm!akgua!akgub!cylixd!wayne
From: wayne@cylixd.UUCP (Wayne Steinmetz)
Newsgroups: net.micro.apple,net.wanted,net.wanted.sources
Subject: Looking for LOGO source for a 64K Apple][e
Message-ID: <127@cylixd.UUCP>

Date: Thu, 17-Jan-85 16:33:35 EST
Article-I.D.: cylixd.127
Posted: Thu Jan 17 16:33:35 1985
Date-Received: Tue, 22-Jan-85 03:48:46 EST
Reply-To: wayne@cylixd.UUCP (Wayne Steinmetz)
Organization: RCA-Cylix Communications Network Inc., Memphis, Tn.
Lines: 21
Xref: watmath net.micro.apple:1593 net.wanted:5595 net.wanted.sources:348

[given to the line eater]

This is being posted to help out a local school in the Memphis area.
The story goes like this:

     The school was told that a version of LOGO was available for
their 64K Apple IIe so they ordered it. They were then told that it
was no longer (or not - whatever the case may be) available, but that
a 128K version was the only thing now available. They really don't
want to go through the conversion expense (for the Apple) so the question
is this - does anybody have a copy 64K version for sale or know where
one can be found?

NOTE: As this article was being posted, the person making the request
     to me found a place that will sell a 64K version for ~$130. Any
     bids from net land?

Please mail all responses to:

     ..!inhp4!akgub!cylixd!wayne

From -8690650566886074617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-17 14:35:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site boulder.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!hao!cires!boulder!heuring
From: heuring@boulder.UUCP (Vincent Heuring)
Newsgroups: net.micro.apple
Subject: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <287@boulder.UUCP>
Date: Thu, 17-Jan-85 17:35:46 EST
Article-I.D.: boulder.287
Posted: Thu Jan 17 17:35:46 1985
Date-Received: Mon, 21-Jan-85 03:08:49 EST
Distribution: net
Organization: University of Colorado, Boulder
Lines: 40

I: Does *ANYBODY* have a termcap for the IIe with the Apple 80 column board? Please reply via this newsgroup.

II: (FLAME) I have been using my IIe to communicate with our local system at 1200 baud for a year now, and have had real frustrations with the slowness of the Apple Monitor. I need to pad linefeeds with three nulls to keep the monitor from dropping one to three characters at the beginning of lines. I have been using the Apple SuperSerial card, and could find no way around the problem. This is not a particularly big problem if one communicates with only one or two systems, but became a real hassle when dealing with a number of different ones: VAX/Unix, VAX/vms, Cyber, Lockheed Dialog, etc.
I have been phoning the Apple hotline about this every few months, trying to get a) a straight answer,and b) a solution to my problem. The first few calls resulted in answers of "I don't know," "It must be your software," (stupid answer) "maybe it's the modem," (another stupid answer) etc etc. Finally, a few months ago, one of the guys admitted that it was the monitor program on the 80 col. card (a straight answer), but his (non)solution was to hang around the local computer store and wait for an upgrade that might appear some year. arghhhhhh.
First, the types that populate most computer stores are hostile to any question except "Can I buy a Lisa if I pay full price?"
And second, most of them have the technical smarts of a planarian worm.

What is most irritating about this is an attitude on the part of the customer service people that if there is no currently available fix to the problem, that the problem isn't a problem, it is an undocumented feature.

I like Apple, and I think they are good for the industry; but let's not confuse them with a *real* computer vendor, that gets on bugs, has a real field service organization, etc. Oh, by the way, if anybody does have a fix for the monitor problem, I would appreciate hearing about it.

V. Heuring
Electrical and Computer Engineering Dep't.
University of Colorado - Boulder.

From 4860801970253982920
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5d9ba45530780f00
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-18 07:10:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ecsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP (D Gary Grady)
Newsgroups: net.micro.apple
Subject: Re: Word processing - (nf)
Message-ID: <515@ecsvax.UUCP>

Date: Fri, 18-Jan-85 10:10:50 EST
Article-I.D.: ecsvax.515
Posted: Fri Jan 18 10:10:50 1985
Date-Received: Mon, 21-Jan-85 02:29:49 EST
References: <1127@zeppo.UUCP>
Organization: Duke U Comp Ctr
Lines: 10

<>
> I echo the vote for PIE.

Curious name for a word processor, and maybe intentionally so. "Pie" or
"pi" is an old printer's term for scrambled type...
--
D Gary Grady
Duke U Comp Center, Durham, NC 27706
(919) 684-3695
USENET: {seismo,decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From 7915980590921385642
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ef08e84be736495,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-18 08:22:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cbneb.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbsck!cbneb!adm
From: adm@cbneb.UUCP
Newsgroups: net.micro.apple
Subject: Info wanted: C for Mac
Message-ID: <2898@cbneb.UUCP>
Date: Fri, 18-Jan-85 11:22:00 EST
Article-I.D.: cbneb.2898
Posted: Fri Jan 18 11:22:00 1985
Date-Received: Sat, 19-Jan-85 04:18:09 EST
Sender: adm@cbneb.UUCP
Organization: AT&T Bell Laboratories, Columbus, OHIO
Lines: 6
Nf-ID: #N:cbnap:18600002:000:154
Nf-From: cbnap!whp   Jan 18 09:15:00 1985

Anyone have experience with a C compiler for the Mac? If so, please
send mail to me; I will summerize to the net if enough interest.

{ihnp4}!cbnap!whp

From -8352175193877719518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c90b5cbfbba9fbe4
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,c90b5cbfbba9fbe4

X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-01-18 08:27:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rtech.ARPA
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!dual!unisoft!mtxinu!rtech!mark
From: mark@rtech.ARPA (Mark Wittenberg)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Re: >512K mac...
Message-ID: <105@rtech.ARPA>
Date: Fri, 18-Jan-85 11:27:01 EST
Article-I.D.: rtech.105
Posted: Fri Jan 18 11:27:01 1985
Date-Received: Mon, 21-Jan-85 07:49:50 EST
References: <1336@hao.UUCP>
Distribution: net
Organization: Relational Technology, Berkeley CA
Lines: 41
Xref: watmath net.micro.mac:411 net.micro.apple:1592

> <>
>
> I am helping to design upgrades for the macintosh. The lowest
> level upgrade is for 1M byte. That hopefully will cost only
> about $1000 or less. The 1 meg board will go inside of the mac,
> and the mac will look no different from the outside. However,
> it will have 1 meg of memory plus the memory that the mac already
> had (1.5 meg total if you had a 512K mac) that runs twice as
> fast as the regular mac ram because it is DMA. We have designed
> boards going up to 8 meg. We have implemented our design up
> to the 4 meg level. Here is what we are planning to do: You
> can buy the 1 meg upgrade, and it will be internal with a connector
> that is invisible from the outside of the mac (like the interrupt
> and reset switches) on the bottom right vents. If you connect
> the card-cage that we are designing to the connector, you can
> add several additional things... more memory, a color board we
> have designed, a speedup board, and some others... The card
> cage has a case like the mac's, and it fits snugly under the
> mac, adding 5 inches to the mac's height, and no inches to it's
> footprint.
>
> ...
>
>
>   Dave Kliman
>   70 Glen Cove Drive
>   Glen Head, NY 11545
>   (516) 671-1301
>   to be found somewhere near sjuvax!drexel!dave
>   presby!drexel!dave
>

Well, I'm sure interested!
(sorry this didn't go through mail, I don't know how to get to drexel;

please don't flame, we just got our routine software yesterday and
haven't yet installed it.)

Mark Wittenberg
Relational Technology
mtxinu!rtech!mark
zehntel!rtech!mark

From 7473461037693708041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef86ae55aed453f8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-18 13:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version nyu B notes v1.5 12/10/84; site acf4.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!mit-eddie!
godot!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP (David HM Spector)
Newsgroups: net.micro.apple
Subject: Re: Mac Millisecond Timing / Serial Technology
Message-ID: <980001@acf4.UUCP>
Date: Fri, 18-Jan-85 16:15:00 EST
Article-I.D.: acf4.980001
Posted: Fri Jan 18 16:15:00 1985
Date-Received: Mon, 21-Jan-85 02:28:37 EST
References: <813@reed.UUCP>
Organization: New York University
Lines: 6

Hi I would be very interested in such code? Could I get a copy of
your milisecond routine???

Dave Spector
spector@nyu-cmcl1.ARPA
...!allegra!cmcl2!cmcl1!spector

From 2138748391392499896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-19 23:22:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!bellcore!decvax!genrad!teddy!panda!
talcott!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <7570@brl-tgr.ARPA>
Date: Sun, 20-Jan-85 02:22:03 EST
Article-I.D.: brl-tgr.7570

Posted: Sun Jan 20 02:22:03 1985
Date-Received: Wed, 23-Jan-85 05:37:15 EST
References: <287@boulder.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 16

```
#
# Apple //e with 80-column card
# The modem interface is permitted to discard LF (maybe DC1), otherwise
# passing characters to the 80-column firmware via COUT (PR#3 assumed).
# Auto-wrap does not work right due to newline scrolling delay, which also
# requires that you set "stty cr2".
# Note: Cursor addressing is only available via the Pascal V1.1 entry,
# not via the BASIC PR#3 hook.  All this nonsense can be avoided only by
# using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
     :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
     :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
     :sr=^V:up=^_:\
     :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
     :cm=^^%r%+ %+ :tc=apple2e:
```

From 5279589855404790682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,69946b9fd9e6a331,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-20 13:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!inuxc!pur-ee!uiucdcs!uok!
jatranks
From: jatranks@uok.UUCP
Newsgroups: net.micro.apple
Subject: Response to graphics dump
Message-ID: <4500011@uok.UUCP>
Date: Sun, 20-Jan-85 16:08:00 EST
Article-I.D.: uok.4500011
Posted: Sun Jan 20 16:08:00 1985
Date-Received: Wed, 23-Jan-85 05:03:30 EST
Lines: 22
Nf-ID: #N:uok:4500011:000:1086
Nf-From: uok!jatranks   Jan 20 15:08:00 1985

In reply to Screen dump in graphics mode brl-tgr!scooper

I have an Apple //e with a C.ITOH prowriter. It is the same
thing as apple's old DMP. I use a TYMAC parallel interface. It
type of software that you are using, but the TYMAC card lets you
print whatever is in the hires screen from BASIC. I know that
the old Apple DMP came with screen dump software that was a

machine languge program. If your drawing program is in basic,
using their screen dump in conjunction with the ampersand
vector from basic. If it is not in basic. I suggest trying to
break out of the program and saving the screen onto the disk and then
running the DMP software or initiate the ^IGD2 command (TYMAC) which
prints the second hires screen in double size(? double means bigger
than normal not double screen size). For more information,
mail me a letter with some more specifics in it about what type of
software and things that I might need to know to help you better.

P.S. I would also like to know about anyone with an Apple //e
termcap that uses the 80-col card.

          Todd Ranks   uok!jatranks

From 6169034430903145188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,999deb9d8d593c2f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 152df8,999deb9d8d593c2f,start
X-Google-Attributes: gid152df8,public
X-Google-ArrivalTime: 1985-01-21 10:34:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site lzmi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!ahuta!pegasus!lzmi!psc
From: psc@lzmi.UUCP (Paul S. R. Chisholm)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Apple's 1985 Superbowl commercial
Message-ID: <314@lzmi.UUCP>
Date: Mon, 21-Jan-85 13:34:03 EST
Article-I.D.: lzmi.314
Posted: Mon Jan 21 13:34:03 1985
Date-Received: Wed, 23-Jan-85 07:21:43 EST
Organization: AT&T-IS Enhanced Network Services
Lines: 27
Xref: watmath net.micro.mac:429 net.micro.apple:1596

<nibble> . . . <nibble> . . . <nibble> . . . <BYTE!>

One of the last commercials in Superbowl XIX was Apple Computer's
annual weird Superbowl ad. The initial reaction of everyone who
wasn't expecting it was, "What the hell is *this* an ad for???"

It starts with a line of men and women, all wearing three piece suits,
trudging through dusty scrub to a depressingly played "Heigh ho,
heigh ho, it's off to work we go". They're marching blindfolded,
each with his or her right hand on the preceding fellow's right
shoulder, up along a trail . . . and over a cliff, one by one.

The last one in line stops as the guy in front of him suddenly isn't
there. He feels around in front of him, alarmed, as a voice-over
says:

     On January twenty-third, Apple will introduce the
     Macintosh Office. You can look into it . . .
(The survivor lifts up a corner of his blindfold, looks down where
his predecessors went--)
     . . . or you can continue with business as usual.
(--and looks behind him, to see *another* line of businessmen,
walking blindfolded, in a line up the trail. . . .)
--
     -Paul S. R. Chisholm
     ...!hogpd!pegasus!lzmi!psc   The above opinions are my own,
     ...!cbosg!lzmi!psc   and do not necessarily represent
     ...!ucbvax!ihnp4!lznv!psc   those of anyone else.

From -8427428854753646139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c90b5cbfbba9fbe4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-21 13:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.13 $; site iuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!ihnp4!inuxc!iuvax!wagle
From: wagle@iuvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: >512K mac...
Message-ID: <22200002@iuvax.UUCP>
Date: Mon, 21-Jan-85 16:56:00 EST
Article-I.D.: iuvax.22200002
Posted: Mon Jan 21 16:56:00 1985
Date-Received: Thu, 24-Jan-85 05:43:47 EST
References: <1336@hao.UUCP>
Lines: 7
Nf-ID: #R:hao:-133600:iuvax:22200002:000:410
Nf-From: iuvax!wagle   Jan 21 16:56:00 1985

  8+ Meg main memory has me drooling. Do you have a better interface for
the hard disk? Already existing hard disks for the Mac have been reported
to be fairly slow. If you could get a good/reasonable timesharing BSD 4.2
workstation out of the Mac, you have a customer. I assume that your 5 inch
high box has plugs in the back so you can plug in a reasonable number of
devices (ala APPLE][, IBM XT, etc)?

From 8477759802753923278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-22 07:10:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Dave Seaman)

Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <828@pucc-i>
Date: Tue, 22-Jan-85 10:10:47 EST
Article-I.D.: pucc-i.828
Posted: Tue Jan 22 10:10:47 1985
Date-Received: Thu, 24-Jan-85 07:04:14 EST
References: <287@boulder.UUCP>
Distribution: net
Organization: Purdue University Computing Center
Lines: 29

> II: (FLAME) I have been using my IIe to communicate with our local system at
> 1200 baud for a year now, and have had real frustrations with
> the slowness of the Apple Monitor. I need to pad linefeeds with
> three nulls to keep the monitor from dropping one to three characters
> at the beginning of lines.

The "slowness of the Apple Monitor" is not the problem. It's the Apple
hardware.

Scrolling the screen on an Apple involves moving 23x80 characters in memory.
This requires about 3700 memory references. There isn't time to do this
in the 8.3 milliseconds that you have between characters arriving on a
1200 baud line, even if you don't bother with such things as branching
and incrementing.

> What is most irritating about this is an attitude on the part of
> the customer service people that if there is no currently available
> fix to the problem, that the problem isn't a problem, it is an
> undocumented feature.

It's more like a documented non-feature. The Apple monitor does not
actively support interrupts, which are the only solution to the problem.
On the other hand, the hooks are available so that user programs can do
their own interrupt processing. One of the reasons most terminal programs
do not do this is that most communications cards do not adhere to the
Apple standards for interrupt handling, which were established rather
late in the game. See the Apple //e Reference Manual.
--
Dave Seaman ..!pur-ee!pucc-i:ags

From 6015820996628350320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-22 07:45:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site moncol.UUCP
Path: utzoo!watmath!clyde!cbosgd!cbdkc1!desoto!packard!hoxna!houxm!vax135!petsd!
moncol!ben
From: ben@moncol.UUCP (Bennett Broder)

Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <164@moncol.UUCP>
Date: Tue, 22-Jan-85 10:45:57 EST
Article-I.D.: moncol.164
Posted: Tue Jan 22 10:45:57 1985
Date-Received: Wed, 23-Jan-85 19:33:03 EST
References: <287@boulder.UUCP>
Organization: Monmouth College, West Long Branch, NJ 07764
Lines: 11

Although it is true that the firmware in the Apple Super Serial Card
loses characters at baud rates over 300 (a fact that is mentioned in
the documentation), good terminal software can easily remedy the
problem. I have used the SSC with an IIe at 9600 baud (with no
padding) using the program Softerm II by Softronics of Memphis
Tenn. The software is so good that it can even run your printer
concurrently and still not lose a character.

Ben Broder
..vax135!petsd!moncol!ben

From -8359592493519648980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,64fe2fc9d838d401,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 152df8,64fe2fc9d838d401,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,64fe2fc9d838d401,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-23 11:23:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stcvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!stcvax!lat
From: lat@stcvax.UUCP (Larry Tepper)
Newsgroups: net.micro,net.micro.apple,net.micro.mac
Subject: A stab from the past
Message-ID: <365@stcvax.UUCP>
Date: Wed, 23-Jan-85 14:23:47 EST
Article-I.D.: stcvax.365
Posted: Wed Jan 23 14:23:47 1985
Date-Received: Fri, 25-Jan-85 21:56:29 EST
Organization: Storage Technology Corp. Louisville, CO
Lines: 34
Xref: watmath net.micro:9174 net.micro.apple:1602 net.micro.mac:457

I saved this little item from last year and placed a reminder
in my calendar file to repost it now. You might read net.rumor
for more info about Exxon Office Systems!

> From: robison@eosp1.UUCP

> Newsgroups: net.micro,net.micro.apple
> Subject: Re: Apple Macs and C? <at Dartmouth>
> References: <521@eosp1.UUCP>
> Date: Sun, 22-Jan-84 23:33:30 MST
> Organization: Exxon Office Systems, Princeton, NJ

> Since it is so much more fun to say "I told you so" in
> advance, I want to comment on Dartmouth's gamble again.
> Apparently there will soon be lots of a NEW, UNTESTED PRODUCT
> (untested by real customers, that is), the McIntosh, on campus
> at Dartmouth, for the sucker--excuse me, the students to use.
> Apple may pull off a miracle here, but the likely expectation
> is for:
>   (1) Long delays in delivery, machines not ready when needed.
>   (2) A lot of shakedown, hardware for sure and maybe software
>   too, in the first year of widespread use.

> I would rather subject my student body to a tried and true technology,
> and let someone else try the machines out before I buy them on a large
> scale. Good luck Dartmouth! You have my sympathy; I'm not sure
> I should admire your courage.
>   - Toby Robison
>   decvax!ittvax!eosp1!robison
>   or: allegra!eosp1!robison
>   (maybe: princeton!eosp1!robison)
--
It's getting lonely around here...
{ihnp4 hao ucbvax!nbires}!stcvax!lat   Larry Tepper
Storage Technology, MD-3T, Louisville, CO 80028   +1 303 673 5435

From 2083864986555955838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,2633878a32b15d41,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,2633878a32b15d41,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 07:08:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 12/13/84; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!decvax!
wanginst!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Desperate need for people to use net.sources.mac
Message-ID: <245b158a.8e4@apollo.uucp>
Date: Thu, 24-Jan-85 10:08:20 EST
Article-I.D.: apollo.245b158a.8e4
Posted: Thu Jan 24 10:08:20 1985
Date-Received: Sun, 27-Jan-85 07:12:42 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 22
Xref: watmath net.micro.mac:466 net.micro.apple:1605

....
For the past year I have been in the habit of automatically dumping
certain newsgroups to read at home. (This involves a rather
complicated procedure that dumps the news at 4 in the morning,
reformats it for nroff (with headers and bullet lists) and then
prints it out along with a table of contents and a permuted index).
However, neither I nor the printer room staff appreciate dumping
40 or 50 pages of compressed (or worse yet, uncompressed) mac hex
code every night. Someone has created net.sources.mac. PLEASE
USE IT! That way those of us who want mac code, but don't have
the time to peruse the net.micro.mac and net.micro.apple, can get
it at our leisure, and everyone should be a little happier.

                                    Many Thanks,
                                        Kee Hinckley
                                ...decvax!wanginst!apollo!nazgul

*** No I don't have a mac, I'm just aquiring software in anticipation
    of having one. ***

*** Re: Availability of dump software. It's written in the Apollo shell
    language but uses Unix utilities. If anyone wants to translate it I'll
    post it. ***

From 8837887620722717419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,abb71ab7ca0e3347,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 12:39:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Super Serial Card at 1200 bps
Message-ID: <2654@harpo.UUCP>
Date: Thu, 24-Jan-85 15:39:11 EST
Article-I.D.: harpo.2654
Posted: Thu Jan 24 15:39:11 1985
Date-Received: Fri, 25-Jan-85 21:43:51 EST
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 4
Nf-ID: #N::37600017:000:203
Nf-From: !bob   Jan 24 15:39:00 1985

Can anyone comment on their experience -good or bad- at using the Super
Serial Card with a 1200 boud modem. Several people have said that
it loses characters, but I find this a little hard to believe.

From -8838618672952524676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 15:18:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!decvax!
ittvax!dcdwest!sdcsvax!sdcc3!sdcc7!ee177xak
From: ee177xak@sdcc7.UUCP (Tien Nguyen{|stu)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug in the 80 Col Monitor.
Message-ID: <1347@sdcc7.UUCP>
Date: Thu, 24-Jan-85 18:18:41 EST
Article-I.D.: sdcc7.1347
Posted: Thu Jan 24 18:18:41 1985
Date-Received: Sun, 27-Jan-85 06:52:38 EST
References: <287@boulder.UUCP> <164@moncol.UUCP>
Organization: U.C. San Diego, Academic Computer Center
Lines: 7

Does anyone know how to put the Super Serial Card into Terminal mode
via Pascal 1.1.
please mail or post your solution.
                        Thanks,
                        T. Nguyen
                        UCSD
                        sdcsvax!sdcc7!ee171xak

From -3157581828152409288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,abb71ab7ca0e3347
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 18:11:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Super Serial Card at 1200 bps
Message-ID: <2655@harpo.UUCP>
Date: Thu, 24-Jan-85 21:11:44 EST
Article-I.D.: harpo.2655
Posted: Thu Jan 24 21:11:44 1985
Date-Received: Fri, 25-Jan-85 09:23:06 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 4
Nf-ID: #N::37600017:000:203
Nf-From: !bob   Jan 24 15:39:00 1985

Can anyone comment on their experience -good or bad- at using the Super

Serial Card with a 1200 boud modem. Several people have said that
it loses characters, but I find this a little hard to believe.

From -3695280380661655108
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e157e30a6dbbe81,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 19:11:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site sol1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
akgua!sol1!john
From: john@sol1.UUCP (john)
Newsgroups: net.micro.apple
Subject: Driver/simple comm program wanted for Aztec C on Apple II
Message-ID: <241@sol1.UUCP>
Date: Thu, 24-Jan-85 22:11:50 EST
Article-I.D.: sol1.241
Posted: Thu Jan 24 22:11:50 1985
Date-Received: Mon, 28-Jan-85 05:13:25 EST
Reply-To: john@sol1.UUCP (John Korsmeyer)
Organization: THE SOLUTION, Lincoln, NE
Lines: 17

Does someone have a driver/simple communications program combination
under Aztec C for the Apple II?
I would like to be able to do file transfers between our UNIX SYSIII system
and the Apple Aztec C environment.
I guess I would need this on a Apple (yech!) DOS 3.3 formatted floppy because
I can't download.

Thanks in advance .....

[Take what I say in a different way]
[and it's easy to say   ]
[that this is all confusion   ]

     John Korsmeyer @ THE SOLUTION

     EMAIL: akgua!sol1!john

From -5803137923405642398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb9414a9442176d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-24 20:32:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxj!houxm!whuxlm!harpo!decvax!
ittvax!dcdwest!sdcsvax!sdcc3!sdcc7!ee65xdh

From: ee65xdh@sdcc7.UUCP (JAMES HAYES)
Newsgroups: net.micro.apple
Subject: Re: IIe Termcap; Bug (slug) in the 80 Col Monitor.
Message-ID: <1348@sdcc7.UUCP>
Date: Thu, 24-Jan-85 23:32:19 EST
Article-I.D.: sdcc7.1348
Posted: Thu Jan 24 23:32:19 1985
Date-Received: Sun, 27-Jan-85 06:53:49 EST
References: <287@boulder.UUCP>
Reply-To: ee65xdh@sdcc7.UUCP (JAMES HAYES)
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 41
Keywords: TERMCAP
Summary: Some relief for Apple and UNIX users.

In article 287@boulder.UUCP Vincent Heuring writes:

> I: Does *ANYBODY* have a termcap for the IIe with the Apple 80 column
> board? Please reply via this newsgroup.

Yes! I have a terminal package that emulates the fuctions of a
vt-52. It will be released on net.sources as soon as the TERMCAP
description is prepared. It is able to use *ANY* modem
configuration that the P-system is capable of.   The emulator is
written in 6502 assembly and is about 900 bytes long. Hardware
requirements?

Apple //e or //c
80 column card in AUX slot.
Any modem that Pascal can use.

> II: I have been using my IIe to communicate with our local system at
> 1200 baud for a year now, and have had real frustrations with
> the slowness of the Apple Monitor. I need to pad linefeeds with
> three nulls to keep the monitor from dropping one to three characters
> at the beginning of lines. I have been using the Apple SuperSerial
> card, and could find no way around the problem. This is not a particularly
> big problem if one communicates with only one or two systems, but
> became a real hassle when dealing with a number of different ones:
> VAX/Unix, VAX/vms, Cyber, Lockheed Dialog, etc.

The problem is NOT in the Super Serial Card. The problem lies in the
80 column support routines in the //e and //c. THEY ARE EXTREMELY
SLUGGISH. Keep looking in net.sources, my program will be there
soon.

Me: James Hayes
US Snail: P.O. Box 7378, La Jolla   CA   92037
Ma-Bell: (619) 455-1195 (Only if urgent.. ONLY!)
Net: {ucbxax,sdchema,inhp4,ucivax,bmcg,
          sdcrdcf,akgua}!sdcsvax!sdcc7!ee65xdh

~ Speed isn't everything... You have to be right some of the time...
  :-) ~

From -829162783647851188
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,fbd80db4441b431,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 12da6b,fbd80db4441b431,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,fbd80db4441b431,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-26 07:37:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site ritcv.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!panda!talcott!
harvard!seismo!rochester!ritcv!jxf6805
From: jxf6805@ritcv.UUCP (Joe Froehlich)
Newsgroups: net.micro.mac,net.lang.c,net.micro.apple
Subject: C Compiler For Mac
Message-ID: <1490@ritcv.UUCP>
Date: Sat, 26-Jan-85 10:37:53 EST
Article-I.D.: ritcv.1490
Posted: Sat Jan 26 10:37:53 1985
Date-Received: Tue, 29-Jan-85 06:39:14 EST
Distribution: net
Organization: Rochester Institute of Technology, Rochester, NY
Lines: 5
Xref: watmath net.micro.mac:478 net.lang.c:4066 net.micro.apple:1610

I would appreciate any information regarding a C compiler for the Macintosh. I am
interested in doing some development work in the area of educational software. I
m currently using the HIPPO-C Level 1 package. Has anyone out there had any
eperience with this package. If someone has experience with a C package they can
recommend for software development, I would appreciate hearing from you.

From 3330958952653641861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,57a80db602b3982f,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,57a80db602b3982f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-26 09:07:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site osu-eddie.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!cbosgd!osu-eddie!tepj
From: tepj@osu-eddie.UUCP (Tom Phillips)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Megamax-C
Message-ID: <71@osu-eddie.UUCP>

Date: Sat, 26-Jan-85 12:07:37 EST
Article-I.D.: osu-eddi.71
Posted: Sat Jan 26 12:07:37 1985
Date-Received: Mon, 28-Jan-85 04:37:22 EST
Distribution: net
Organization: Ohio State Univ., CIS Dept., Cols, Oh.
Lines: 23
Xref: watmath net.micro.apple:1606 net.micro.mac:471

[...]

I have just finished talking to the guys at Megamax and was notified of a new release of the package. This new release has a few things all of you have been yelling about. 1: It now has the mini-finder from the compiler and the linker, no more typing in those file names. 2:It now supports the creation of drivers and desk-accesories. 3: The linker has been improved. (It is now a little faster). There are also a few misc. bells and whistles to be added.
In the next release they hope to include a smaller editor (Hooray! 50K+ was just slightly too big). Also the enum types and the other stuff from that proposed revision.
Not to wave my flag again, but these guys have put out a rather good package. It out benchmarked all of the competing packages, it comes with a librarian, it is rather well documented, supports floating point, register variables, bit wise stuff. It produces reasonably compact, double clickable code also. To top it off, its NOT copy protected (My hard disk loves it) and it is marketed at a fair price, $299 (Quantity discounts, etc.)

--
Tom (Flip) Phillips
The Ohio State University
osu-eddie!tepj

From 1205314658187294687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,abb71ab7ca0e3347
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1985-01-26 16:14:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!mhuxb!mhuxn!mhuxm!mhuxj!houxm!whuxlm!
akgua!sdcsvax!sdcc3!sdcc7!ee65xdh
From: ee65xdh@sdcc7.UUCP (JAMES HAYES)
Newsgroups: net.micro.apple
Subject: Re: Super Serial Card at 1200 bps
Message-ID: <1350@sdcc7.UUCP>
Date: Sat, 26-Jan-85 19:14:33 EST
Article-I.D.: sdcc7.1350
Posted: Sat Jan 26 19:14:33 1985
Date-Received: Mon, 28-Jan-85 06:46:25 EST
References: <2654@harpo.UUCP>
Reply-To: ee65xdh@sdcc7.UUCP (JAMES HAYES)

Organization: U.C. San Diego, Academic Computer Center
Lines: 43
Summary:

In article <2654@harpo.UUCP> bob@harpo.UUCP writes:
> Can anyone comment on their experience -good or bad- at using the Super
> Serial Card with a 1200 boud modem. Several people have said that
> it loses characters, but I find this a little hard to believe.

The Super Serial card is not at fault. It can handle a heck of a lot
more faster baud rates than 1200. The problem is the Apple's
screen hardware and supporting routines.

The //e, more so than the //c has problems in the 80 column mode.
The display is memory mapped in an interlaced fashion. Half of the
screen is stored on the card in the AUX slot and half is stored on
the regualar text page. (That's why when you hit reset, you get
every other character on the 80 column screen.) Ok, to access the
other AUX page of display memory, you must store to two memory
locations. One tells the card to sense for the second location. The
second location toggles the region of memory you want to use. (both
are mapped into the SAME $400-$7FF range.)

Ok, that doesn't sound two bad, but that means to scroll, you must
access 2 switches, 1100 memory references, another switch, 1100 more
references, and some more to clean up the last line. THAT'S AN AWFUL
LOT OF TIME TO DO THAT. 1200 baud just can't keep up.

On top of that, Apple didn't optimize the routines on the //e. I
haven't verified, but the //c's screens appear to scroll much
faster.

I reccomend a better solution made by Computer Stop of Hawthorne,
CA. They make an 80 column card (about $99 on sale) that does all
the display updating in HARDWARE, so when I want it to scroll, I
need ONLY 4 MEMORY REFERENCES. Truly an improvement.

'nuff said.

Me: James Hayes
US Snail: P.O. Box 7378, La Jolla CA 92037

Net: {ucbvax,sdchema,inhp4,ucivax,
                bmcg,sdcrdcf,akgua}!sdcc7!ee65xdh

~Speed isn't everything. You have to be right some of the time.. :-) ~

From -1669551389404707834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,40a0335e5766e9b4,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1985-01-27 10:12:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site emory.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxr!ihnp4!houxm!whuxlm!akgua!emory!adam
From: adam@emory.UUCP (Adam Beguelin)
Newsgroups: net.micro.apple
Subject: SUMacC and RAM serial drivers
Message-ID: <1462@emory.UUCP>
Date: Sun, 27-Jan-85 13:12:50 EST
Article-I.D.: emory.1462
Posted: Sun Jan 27 13:12:50 1985
Date-Received: Tue, 29-Jan-85 06:01:37 EST
Distribution: net
Organization: Math & Computer Science, Emory University, Atlanta
Lines: 21

I am using SUMacC to write a communications package and I am
having trouble using the RAM serial drivers. I have been
sucessful in using the ROM drivers but I want to have the
Xon/Xoff that Inside Mac says is only available with the
RAM drivers. RAMSDOpen always returns an error even though
Inside Mac gives the resource ID for the driver and says that
it is stored in system file.

Could anyone give me any advice on this? Even the method for
using the RAM serial drivers from another compiler would be usefull.

     Thanks,

     Adam Beguelin
     Emory University
     Dept of Math and CS
     Atlanta, Ga 30322

     {akgua,sb1,gatech}!emory!adam   USENET
      adam@emory   CSNET
      adam.emory@csnet-relay   ARPANET

From -2931609326102537080
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159752,9d50935896d9ede1,start
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,9d50935896d9ede1,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,9d50935896d9ede1,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1985-01-27 16:24:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!ittvax!
dcdwest!sdcsvax!sdcc3!sdcc7!ee65xdh
From: ee65xdh@sdcc7.UUCP (JAMES HAYES)

Newsgroups: net.sources,net.wanted.sources,net.micro.apple
Subject: Apple //e and //c UNIX terminal interface available
Message-ID: <1352@sdcc7.UUCP>
Date: Sun, 27-Jan-85 19:24:03 EST
Article-I.D.: sdcc7.1352
Posted: Sun Jan 27 19:24:03 1985
Date-Received: Tue, 29-Jan-85 07:08:32 EST
Organization: U.C. San Diego, Academic Computer Center
Lines: 43
Keywords: TSET 6.3
Xref: watmath net.sources:2472 net.wanted.sources:394 net.micro.apple:1611
Summary: Requesting method for posting 6502 source code

I have just finished writing a terminal program for the Apple //e
and //c computers with the 80 Col card in the AUX slot.

Functions:

1200 baud support
Scroll reverse
Insert line
Delete line
Full cursor positioning
Clear to end of line
Clear to end of frame
Inverse video.

Hardware needed:

Apple //e or //c with a modem the is compatible with the PASCAL
system. (The program itself is written in 6502, however.)

The program totally by-passes the *SLOW* routines by Apple, granted,
my program isn't lightening fast, but it gets the job done.

FIRSTLY:

Does anyone want this?

SECONDLY: How should I post it?
       (Raw source, hex, etc. Any suggestions?)
       Should it become a mail in?

Please have your mail dated before February 15, 1985 the decision will
be made on February 20, 1985.

Me: James Hayes
US Snail   P.O. Box 7378,
                       La Jolla, CA 92037

Net: {ucbvax,sdchema,inhp4,ucivax,
                        bmcg,sdcrdcf,akgua}!sdcsvax!sdcc7!ee65xdh

~ Speed isn't everything. You have to right some of the time... :-) ~

From 1465527878896894785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5ad99d34bdb42e15,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 06:02:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Help with Open/Closed-Apple keys
Message-ID: <4060@decwrl.UUCP>
Date: Wed, 31-Oct-84 09:02:56 EST
Article-I.D.: decwrl.4060
Posted: Wed Oct 31 09:02:56 1984
Date-Received: Fri, 2-Nov-84 03:53:39 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 20

What is the magic that the Open-Apple and Closed-Apple keys perform? My Apple][+ obviously lacks them; I sat down with a //e and wrote a Basic hack with a GET statement to see what they do, and I've learned that they do NOT do either of the following:

1. Generate any character that a GET statement can see. [My hack sat and waited forever...]

2. Modify the apparent ASCII values of normal keys. [PRINT ASC(A$) produces the same result with Open-Apple and A together as with A alone.]

So what DO they do? Any help will be appreciated.

Cheers,
Dick Binder   ("Beware the Jabberwock, my son!")

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Wednesday 31st October 1984, 09:02 EST by DOSADI::BINDER

From -1490999566246076377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,19d61e08247e0b95,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 07:41:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: PRINTing from FILE menu
Message-ID: <243@sara70.UUCP>
Date: Wed, 31-Oct-84 10:41:31 EST
Article-I.D.: sara70.243
Posted: Wed Oct 31 10:41:31 1984
Date-Received: Sat, 3-Nov-84 20:17:54 EST
Organization: SARA, Amsterdam, The Netherlands
Lines: 24

You may have wondered how to use PRINT from the FILE menu
(at least I did). This feature, as far as I know, only
works for MacWrite 2.20 and MacPaint 2.2:

It is possible to print one or more documents of a kind
one after another without starting up MacPaint/Write,
reading in the document, choosing PRINT, PRINT, open the
next document, choose Print etc.
You can PRINT a document right from the desktop!

The steps are as following:
- select one or more documents (using shift-clicking or
  dragging a rectangle)
- choose PRINT from the FILE menu

Now MacWrite or Paint is started up just for printing
the selected documents. After the printing has been completed
you are back on your desktop.

This feature IS described in the Macintosh User`s manual,
but before we had our upgrades this was "not implemented".

Rick Jansen
  {philabs,decvax,seismo}!mcvax!sara70!rick

From 3975353033587450620
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9e2a0542a7e90df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 07:45:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: Mac, moving inactive windows
Message-ID: <244@sara70.UUCP>
Date: Wed, 31-Oct-84 10:45:56 EST
Article-I.D.: sara70.244

Posted: Wed Oct 31 10:45:56 1984
Date-Received: Sat, 3-Nov-84 20:18:21 EST
Organization: SARA, Amsterdam, The Netherlands
Lines: 10

It is possible to move inactive windows, i.e. windows
behind an active window, without that inactive window
becoming the active window (are you still there?).

To do this hold the "command" key down while moving
the inactive window with the mouse in the drag-bar.
That window won't pop to the front now.

Rick Jansen
  {philabs,decvax,seismo}!mcvax!sara70!rick

From 4239549671283832815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97137a2c3edd703a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 11:38:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcc6!loral!rfs
From: rfs@loral.UUCP ()
Newsgroups: net.micro.apple
Subject: Lets get rid of all the MAC CRAP
Message-ID: <606@loral.UUCP>
Date: Wed, 31-Oct-84 14:38:23 EST
Article-I.D.: loral.606
Posted: Wed Oct 31 14:38:23 1984
Date-Received: Sat, 3-Nov-84 04:04:10 EST
Lines: 4

I have an Apple   II+. Its very hard to filter out all the MAC CRAP on
the net. I suggest making a net called   net.micro.mac for mac and
Lisa users. Leaving net.micro.apple for II+, IIe and IIc users.
We'll accept Apple III users.

From -1735765367085007255
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,450d70c754ced3d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 12:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Where to get "Inside Mac"
Message-ID: <12500018@acf4.UUCP>

Date: Wed, 31-Oct-84 15:37:00 EST
Article-I.D.: acf4.12500018
Posted: Wed Oct 31 15:37:00 1984
Date-Received: Sat, 3-Nov-84 20:16:48 EST
References: <1441@bmcg.UUCP>
Organization: New York University
Lines: 7
Nf-ID: #R:bmcg:-144100:acf4:12500018:000:205
Nf-From: acf4!spector   Oct 31 15:37:00 1984

One small correction, as of 11/1, the price of Unside Macintosh is now
$100 (ONE HUNDRED), down from $150. IDI says the turnaround time is about a
week.

David HM Spector
NYU/acf Systems Group

From 211383152118276868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,738d381cec53961
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 12:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Interfaces between McIntosh and Unix
Message-ID: <12500019@acf4.UUCP>
Date: Wed, 31-Oct-84 15:41:00 EST
Article-I.D.: acf4.12500019
Posted: Wed Oct 31 15:41:00 1984
Date-Received: Sat, 3-Nov-84 20:17:06 EST
References: <12@sgs.UUCP>
Organization: New York University
Lines: 6
Nf-ID: #R:sgs:-1200:acf4:12500019:000:301
Nf-From: acf4!spector   Oct 31 15:41:00 1984

Yes, the software does exist, its called MacTerminal, and you can easily
transfer stuff to and from a unixc Machine with the Macput and MacGet programs
written by Dave Johnson At Brown U.

Macterminal is available almost everywhere by now, and I can send you
Macput/MacGet if you would like them...

From 3782646867344626913
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b289c9270bd8ff9
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-31 12:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: MacTerminal
Message-ID: <12500020@acf4.UUCP>
Date: Wed, 31-Oct-84 15:46:00 EST
Article-I.D.: acf4.12500020
Posted: Wed Oct 31 15:46:00 1984
Date-Received: Sat, 3-Nov-84 20:17:31 EST
References: <131@ihdba.UUCP>
Organization: New York University
Lines: 20
Nf-ID: #R:ihdba:-13100:acf4:12500020:000:625
Nf-From: acf4!spector   Oct 31 15:46:00 1984

A couple of suggestions...

1) Make sure the TABS are set correctly, a STTY TABS should do the trick

2) Makre surew the wrap modes, newline etc are turned OFF.

3) Make sure your macintosh is really set to VT100 mode, this can get
   ""undone"" if you change settings and dont save the Terminal document
    before using the document.

4) Make sure you have a "valid" termcap entry for vt100's, not one of the
   numerous broken ones...

    I use Macterminal in the vt100 (and vt52) modes on our Unix Vaxen
    (running BSD 4.2) all the time and have had no problems. It also
    works fine under (suprise!) Eunice...

                David.

From -5178235369158165415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae6a5fe061d34ae8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 13:11:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: programs stalling/pauses problem on a][+/][e
Message-ID: <5532@brl-tgr.ARPA>
Date: Wed, 31-Oct-84 16:11:16 EST

Article-I.D.: brl-tgr.5532
Posted: Wed Oct 31 16:11:16 1984
Date-Received: Sat, 3-Nov-84 20:11:46 EST
References: <320@stcvax.UUCP>
Organization: Ballistic Research Lab
Lines: 8

> I have been having a problem with program stalling on the apple due
> to "garbage collection" of variables, I think. The program seems to
> run fine at times, then it pauses from 15 secs to 2 minutes, and it
> seems to get worse the longer the program is run. I was wondering if
> anybody had this same problem and/or knew a good way to minimize this
> problem or cure it all together.

Yes, use ProDOS. Its BASIC garbage collector is MUCH better than DOS's.

From 1817633286883408048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a93d57228ae1212e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 14:47:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxp!aluxe!mhuxi!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re termcap for Apple IIe
Message-ID: <470@sftig.UUCP>
Date: Wed, 31-Oct-84 17:47:59 EST
Article-I.D.: sftig.470
Posted: Wed Oct 31 17:47:59 1984
Date-Received: Thu, 1-Nov-84 04:16:15 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 64

[bug food]

    []

    Does anyone have a termcap entry for an Apple][e running
    the extended memory, 80-col card? Please mail directly to
    me (I imagine this is the nth time someone has requested this.)

    Also, someone complained in private mail that the above card
    is too slow for effective 1200 baud use. Does anyone else
    have any experience with this card at 1200 baud? I
    briefly glanced at the Rom listing for the card and it does
    look slow for page scrolling.

--
    Mike Eve   Boeing Aerospace, Seattle

...uw-beaver!ssc-vax!ssc-bee!eve

I assume you are talking about the 'dumb terminal' program that comes in the firmware for the super serial card from Apple. I have successfully used this combination (Apple SSC and extended 80 column card) as a terminal at 1200 baud to a VAX running system V. I had to specify 'stty nl1 cr3' to get it to work. (In case you are running BSD, that translates to the maximum possible delay for both carriage returns and new-lines.) It is painful to watch the lines zip out and then scroll soooo slooowly, but it does work. However, I have a complaint about this 'program'. When you run it in 80 column mode, the cursor seems to be stuck in column 2. This problem doesn't happen in 40 column mode. I called Apple tech support, and they told me that this is a known problem, and an updated ROM should be available sometime in the spring. They did not promise that it would fix the slow scroll problem though. All in all, I recommend against trying to rely on this firmware for using the Apple IIe as a terminal. Buy a commercial terminal emulator instead, (or do what I am planning on doing, write your own) Most of the commercially available programs can handle 1200 baud and 80 columns just fine.

Along those lines, The guy I talked to in Apple tech support suggested that I bug my dealer for a thing called the 'Apple II Programs Disc' which the dealer could get a (presumably free) copy of by writing to Apple Tech support. He said that it had been described in a newsletter for dealers called 'Apple View'. He said this disc has a dumb terminal emulator program that fixes the column 2 cursor problem. He said it did not scroll fast enough for 1200 baud operation, but I expect that suitable delays from the host would make it usable. He also said that this disc contains a lot of useful and/or fun programs that the dealer could use as demos. Unfortunately, I asked both of my local dealers, and neither of them had even heard of either the Apple II programs disc, or the Apple View newsletter. One of the people at one dealer remarked 'We get so much @#$ from Apple, that nobody has the time to read it. We just throw away most of it.' I asked them both to look into getting the disc, but I don't hold out much hope. If you have better luck, let me know.

To answer your original question, I dont think the terminal emulator in the firmware has enough smarts to make it useful with vi or anything else that requires cursor motion sequences. I specificly asked about this when I talked to the tech support person, and he said that the firmware dumb terminal did not support cursor motion sequences, even in 40 column mode.

Rick Thomas
{ihnp4, akgua, houxm, nearly any backbone site}!btlunix!rbt
(201)-522-6062

PS If anybody knows of a public domain terminal emulator for the IIe with an 80 column card, please let me know before I start to write my own.

From 1827219933884808265
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fbc3a2a4cde720e2,start

X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14d0b9,fbc3a2a4cde720e2,start
X-Google-Attributes: gid14d0b9,public
X-Google-ArrivalTime: 1984-10-31 22:08:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!linus!decvax!decwrl!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.apple,fa.info-mac
Subject: public domain sw
Message-ID: <151@qumix.UUCP>
Date: Thu, 1-Nov-84 01:08:45 EST
Article-I.D.: qumix.151
Posted: Thu Nov 1 01:08:45 1984
Date-Received: Sat, 3-Nov-84 03:58:01 EST
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 3

Does anyone have the files Icon editor and Alert/Dialog editor? They
are supposed to be public domain on compuserve. Please send mail
direct to me.

From -5937094759484295251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c12dfa05b7258ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 23:46:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: I need hard disk info
Message-ID: <520@oddjob.UChicago.UUCP>
Date: Thu, 1-Nov-84 02:46:22 EST
Article-I.D.: oddjob.520
Posted: Thu Nov 1 02:46:22 1984
Date-Received: Thu, 1-Nov-84 07:50:26 EST
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 10

I would like to get some comparative data on the various brands of
hard disks for the Macintosh.

I am specifically interested in:(1. the average head seek time; (2. the
average data transfer rate; (3. how well random file I/O works; (4. how
the disk responds when it is nearly full; (5. general problems or comments
concerning hard disks and micros. Thanks in advance. Please reply by mail.

 Sean Casey   ...ihnp4!oddjob!sean

From 1446091149292644716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bf8804004742669d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 07:47:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site analog.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: MacPascal: a review
Message-ID: <153@analog.UUCP>
Date: Thu, 1-Nov-84 10:47:04 EST
Article-I.D.: analog.153
Posted: Thu Nov 1 10:47:04 1984
Date-Received: Wed, 7-Nov-84 01:10:56 EST
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 148

The review of MacIntosh Pascal by Dennis Brothers in the recent A+ magazine prompted me to go ahead and get Pascal. What follows here are my own impressions (and gripes), a mini-review.

Disclaimer: The following is written on my lunch hour, off the top of my head, and without access to the manuals or Brother's review. Therefore, any errors of fact should be attributed to me. The following represents my own opinion solely.

MacIntosh Pascal, the long-awaited MacPascal, is finally available off the dealer's shelf. It is an interpreted version of Pascal with a large number of very useful extensions. It appears (from the documentation) to conform quite well with the ANSI standard, and also conforms closely with Lisa Pascal. Some of the extensions are: REAL string types, Lazy I/O (which overcomes the read-locking problem when input is expected from the keyboard), quite extensive built-in support of the MacIntosh ROM, and so on.

Note: REAL string types--by that I mean one does not need to be concerned with the length of a string a priori (other than providing a maximum length), and the true length is available via a function call. Also, several string and substring manipulation functions are included.

GOOD THINGS:

Debugging: The built-in debugging environment is *very classy*. Breakpoints can be set by using the mouse to place stop sign icons next to the lines in the program listing window at which stops are desired. An Observe window lets you type in the name of any variable (or any expression, really), and have those expressions updated at every breakpoint. By choosing go-go from the run menu, the breakpoints become tracepoints (or watchpoints, depending on your terminology) and the observe window is updated at every breakpoint, but execution continues without intervention. You can step thru the program,

and the observe window is updated every step. Finally, if you choose step-step, the stepping and updating occurs without user intervention. A hand icon points to the line being executed and moves through the program as execution proceeds. The program may be stopped at any point by choosing halt from the menu.

There is also an "Instant" window which allows any valid pascal statement to be typed in and executed *any time*. This is also a good debugging aid.

Toolbox support: There is extensive built-in support for Quickdraw procedures and functions (My impression is that every Quickdraw procedure is there, but there are some caveats given about the use of some of them). The SANE environment is fully supported. There are a smattering of built-in procedures supporting event manager and window manager routines and the sound driver is well supported.

Beyond that, there are a procedure and three functions which allow ANY of the ROM calls to be executed. The user supplies the trap number and the arguments, and that's all! All you need to know are the trap numbers, and how to use the calls without blowing up the system.

One sample program supplied is a text editor, which shows by example how to substitute your own menu bar for the Pascal one (and get the Pascal one back when you're through!), how to manipulate windows, how to handle a TE edit record, and how to handle mouse events. It is quite good in some respects.

Error reporting: This is reasonably good. The error messages are clear, and a "thumbs down" icon points to the offending line. The down side is you only get to see one error at a time, so correcting a program for the first time could be tedious.

Editing: The program listing has its own window, and all the normal Mac editing features are available for editing the listing. In addition to double-clicking to get a word, you can triple-click to get a whole line, which is sometimes handy.

BAD THINGS:

Speed: In a word, SLOOOOWWWWWW. Brothers in his review rates it about as fast as MS BASIC. I think it comes in a bit slower, because Pascal apparently pre-scans the code EVERY time you start your program to catch what would be considered compile-time errors in a compiler environment. This can be irritating in an extensive debugging session.

Memory: Here we hit the low, I think. The manuals very carefully avoid mention of how much memory you actually have to work with. The "About Pascal" display tells you in percentages how much you have used, but there is nowhere that I have seen that gives a hard figure here. There is apparently no way to increase memory by sacrificing stack or system space, as there is with MS BASIC. And the amount of memory seems smaller than the 29+K you could eke out of MS BASIC. Maybe the stink some people raised about the shortage of memory in MS BASIC caused the people at Think to avoid allowing easy access to

hard numbers . . .

As an example, the text editor example mentioned above is marginal for the memory in a 128K machine. With the listing window up, the program takes 90% of the memory. The largest file you can edit with it is (apparently) 5K. My attempts to make small additions to the program (three or four lines, at most) cause Pascal to run out of memory.

The worst of it is, when you do run out, the recovery is to exit back to the Finder! Saving your edits does not help, because sometimes the act of saving is what triggers the out of memory error!

When the listing window is closed, the same program take 50% of the available memory. Probably this is what allows it to run in the first place. If the data area is about 8K (including 5K for the text area), and that represents 40% of the available memory, then the available memory is about 20K. Not too great. And this probably represents a generous upper limit.

If you really want to go the whole nine yards and do a full Mac environment application, you will need a 512K machine, no question.

COPY PROTECTION: Think Technologies deserves some real hoots in this area. The package is copy protected up to ying-yang. It is not even one of those schemes in which the program can be copied and run as long as a master disk is inserted once per bootup--you have to use the master disk as supplied. (Maybe Microsoft is not such a villain in this area, after all!). Several copy schemes are employed--at least three that I know of, and maybe four. A couple are easy-the copy-protect bit is set, and some necessary files are hidden. Beyond that, there is most likely a bad sector scheme, and maybe Apple also has a copy protect bit for a whole disk, as well.

Dennis Brothers told me that it is the most thoroughly protected piece of software he has ever seen, but that he has cracked it. (He won a bet from Think for doing it, too!) But he can't let the rest of us in on the secret, unfortunately.

If you are one of those constitutionally unable to contemplate buying protected software, this one is not for you. On the other hand, if you like the challenge of cracking protection schemes, you might enjoy the puzzle this one affords.

Brief Aside: I am not a lawyer, but my understanding is that there are specific provisions in the copyright law which allow purchasers of software to make backup copies of the software to protect their investment. Thus, vendors who protect software in the manner described above are, in effect, denying their customers a right specifically given by law. Unfortunately, the reality of the situation is that there is little point in suing the vendor over this denial of rights. But I sure would like to see a bit more attention paid to the laws governing these issues, ON THE PART OF THE SOFTWARE VENDORS, as well as on the part of the purchaser.

OVERALL: Overall I rate the product about 8 on a scale of 10. One way or

the other I can live with the copy protection. The memory problem will be solved when I get my memory upgrade. The speed problem should be addressed eventually when Think brings out the package which upgrades this Pascal to a full development system. This is PROMISED for first quarter next year, so at least sometime next year it should become available. The good features outweigh all the bad by a fairly decent margin. And the language sure beats MS BASIC!!

(Mr.) Kim Helliwell
{menlo70,hplabs}!analog!kim

From 936398204705152369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4f26eeb45f85fc74,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12da6b,4f26eeb45f85fc74,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,4f26eeb45f85fc74,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 08:35:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ttidca.UUCP
Path: utzoo!linus!philabs!ttidca!davidt
From: davidt@ttidca.UUCP (David Terlinden)
Newsgroups: net.lang.c,net.micro.apple,net.micro
Subject: VAX/Apple(6502) C xcompiler, small C as in Dr. Dobbs
Message-ID: <158@ttidca.UUCP>
Date: Thu, 1-Nov-84 11:35:03 EST
Article-I.D.: ttidca.158
Posted: Thu Nov 1 11:35:03 1984
Date-Received: Sat, 3-Nov-84 22:41:51 EST
Organization: TTI, Santa Monica, CA.
Lines: 10

I'm trying to develop a C compiler to run on a VAX to generate code for
Apple. Does anyone have any comments on
1) using so-called portable C compiler for this purpose
2) modifying small C to emit code for 6502 and beefing up small C to be bigger
3) any other method of getting one, including buying it
4) anything else germane to such an endeavor
?
Thanks:
Boris First, ttidca!davidt TTI Santa Monica CA 90405
Path: ...!{randvax|trwrb|philabs|vortex}!ttidca!davidt

From 7213868681972585916
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d18d09a83cbb2b78,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 08:44:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83 (MC840302); site diku.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!mcvax!diku!holst
From: holst@diku.UUCP (Bo Holst Christensen)
Newsgroups: net.micro.apple
Subject: Modula-2 from Modula Corp.
Message-ID: <455@diku.UUCP>
Date: Thu, 1-Nov-84 11:44:52 EST
Article-I.D.: diku.455
Posted: Thu Nov 1 11:44:52 1984
Date-Received: Sat, 3-Nov-84 22:01:02 EST
Organization: DIKU, U of Copenhagen, DK
Lines: 11

Has anyone received a copy of Modula Corp's Modula-2 for the
Apple II ? Are there any delays in delevery, as I havn't
received my copy yet ? If anyone have seen it would you please
send a message over the net briefly describing it ?

Thanx in advance!

            Bo Holst-Christensen
            Institute of Datology,
            University of Copenhagen,
            DK-2200 Copenhagen N.

From -322447800469419173
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f7373738ece31a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 08:46:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site diku.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!mcvax!diku!holst
From: holst@diku.UUCP (Bo Holst Christensen)
Newsgroups: net.micro.apple
Subject: Re: Koala Pad for IIe problems.
Message-ID: <456@diku.UUCP>
Date: Thu, 1-Nov-84 11:46:48 EST
Article-I.D.: diku.456
Posted: Thu Nov 1 11:46:48 1984
Date-Received: Sat, 3-Nov-84 22:01:16 EST
Organization: DIKU, U of Copenhagen, DK
Lines: 10

The problem is not the speed of the Apple II thats causing the
problems, but the contacts in the Pad. When the pressure on the
Koala Pad is to small, the Pad returns zero values. The problem
also exists when the Apple is using a speedup card like the
Accelertator or SpeeDemon.

            Bo Holst-Christensen
            Institute of Datology,

University of Copenhagen,
DK-2200 Copenhagen N.

From 3907083628595890153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e78e0aa911aecac3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 09:36:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-nemo!barlow
From: barlow@nemo.DEC
Newsgroups: net.micro.apple
Subject: CONNECTING A DEC LA50 TO AN APPLE II+
Message-ID: <4087@decwrl.UUCP>
Date: Thu, 1-Nov-84 12:36:26 EST
Article-I.D.: decwrl.4087
Posted: Thu Nov 1 12:36:26 1984
Date-Received: Sat, 3-Nov-84 05:34:30 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 3

HAS ANYONE OUT THERE EVER TRIED CONNECTING A DEC LA50 TO AN APPLE II+.
I HAVE AN APPLE SSC AND AM ABLE TO PRINT OUT TEXT. I WOULD LIKE TO BE ABLE TO
PRINT OUT HI-RES GRAPHICS PICTURES. ANY INFORMATION ON SWITCH SETTINGS
AND SOFTWARE ROUTINES WOULD BE HELPFUL. THANKS IN ADVANCE.

From 160822674402573426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dac1cb2a4a0dd47c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 14:39:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site houxz.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!houxz!wh
From: wh@houxz.UUCP (W.HEINMILLER)
Newsgroups: net.micro.apple
Subject: Need Help Adapting Old Disk Drive to][c
Message-ID: <990@houxz.UUCP>
Date: Thu, 1-Nov-84 17:39:03 EST
Article-I.D.: houxz.990
Posted: Thu Nov 1 17:39:03 1984
Date-Received: Fri, 2-Nov-84 06:51:45 EST
Organization: Bell Communications Research
Lines: 13

I have an Apple Disk][(for the Apple][/][+/][e) that I would like to adapt
to run as the external drive on the new Apple][c. I would expect the drive to
be compatible except for the cable. Does someone know if this is true? The
drive port on the back of the][c uses a 19-pin D-connector. Is there a

company making adapters to connect the old 20-pin ribbon cables to the 19-pin port? Or perhaps replacement cables for the old drives? (A lot of the wires on the cable carry power, so I expect they dropped one of the power lines on the][c.) If not, does anyone know of a source of 19-pin D-connectors and covers? (Preferably solder-type.) What documentation do I need to look in for the pin outs on the][c drive port? Thanks for the assistance!

Wayne Heinmiller Bell Communications Research
houxz!wh Freehold, NJ (201)-577-4159

From 2630883319786011248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb6c1db5b0087663,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 16:55:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!decwrl!amd!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Apple][+ disk drives
Message-ID: <435@intelca.UUCP>
Date: Thu, 1-Nov-84 19:55:27 EST
Article-I.D.: intelca.435
Posted: Thu Nov 1 19:55:27 1984
Date-Received: Sat, 3-Nov-84 08:13:12 EST
Distribution: net
Organization: Intel, Santa Clara, Ca.
Lines: 20

well after two error-free years, my apple][+ disk drive is beginning to die a rapid death... but its a strange problem, I wondered if anyone out there had similar experiences/helpful hints.

The outer tracks work perfectly, the inner tracks are flakey with the flakiest tracks on the very inside.

Disks written long ago are only slightly flakey.
Newly formatted disks work perfectly (no bad blocks)
Both old and new disks get extremely flakey when things are written and subsequently read from the inner tracks.

Yes, it sounds somewhat like head positioning and possibly alignment problems, has anyone had similar problems or know how to fix it.
(I do have access to scopes, etc.)
--

^ ^ Glen Shires, Intel, Santa Clara, Ca.
O O Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
> ARPA: "amd!intelca!glen"@BERKELEY
\-/ --- stay mellow

From -5452957433746813854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49542a7098981b38
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 18:17:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!alberta!sask!scent
From: scent@sask.UUCP (Scent Project)
Newsgroups: net.micro.apple
Subject: Re: where is new macwrite?
Message-ID: <134@sask.UUCP>
Date: Thu, 1-Nov-84 21:17:21 EST
Article-I.D.: sask.134
Posted: Thu Nov 1 21:17:21 1984
Date-Received: Sat, 3-Nov-84 02:44:42 EST
References: <182@ucsbcsl.UUCP>
Organization: U of Saskatchewan, Canada
Lines: 7

I too am interested in the whereabouts of the MacWrite containing the
new features described in MacWorld. I just received a Fat Mac and
the version of its MacWrite is 2.2. This version certainly doesn't
have page numbers in the scroll bars or the other new features.

berni schiefer {ihnp4,alberta,utcsrgv}!sask!scent

From -6500149908655837857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,cf24dbbd23c20347
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,cf24dbbd23c20347
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-01 20:43:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!brl-
tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple,net.info-terms
Subject: Re: Wanted --- Apple][e termcap
Message-ID: <5570@brl-tgr.ARPA>
Date: Thu, 1-Nov-84 23:43:41 EST
Article-I.D.: brl-tgr.5570
Posted: Thu Nov 1 23:43:41 1984
Date-Received: Sat, 3-Nov-84 08:03:24 EST
References: <253@ssc-bee.UUCP>
Distribution: net
Organization: Ballistic Research Lab
Lines: 28

Xref: godot net.micro.apple:1038 net.info-terms:131

>   Does anyone have a termcap entry for an Apple][e running
>   the extended memory, 80-col card?

```
#
# Apple //e with 80-column card
# The modem interface is permitted to discard LF (maybe DC1), otherwise
# passing characters to the 80-column firmware via COUT (PR#3 assumed).
# Auto-wrap does not work right due to newline scrolling delay, which also
# requires that you set "stty cr2".
# Note: Cursor addressing is only available via the Pascal V1.1 entry,
# not via the BASIC PR#3 hook.  All this nonsense can be avoided only by
# using a terminal emulation program instead of the built-in firmware.
ab|apple2e|Apple //e:\
     :bl=^G:bw:cd=4*^K:ce=4^]:cl=100^L:co#80:ho=^Y:is=^R^N:kd=^J:kl=^H:\
     :kr=^U:ku=^K:li#24:me=^N:mr=^O:ms:nw=100\r:rs=^R^N:se=^N:sf=^W:so=^O:\
     :sr=^V:up=^_:\
     :bs:nc:
ap|apple2e-p|Apple //e via Pascal:\
     :cm=^^%r%+ %+ :tc=apple2e:
```

>   Also, someone complained in private mail that the above card
>   is too slow for effective 1200 baud use. Does anyone else
>   have any experience with this card at 1200 baud?

Yes, interrupts are locked out for too long and characters can be lost
during scrolling. This is a bug in the firmware and can only be
avoided by using your own 80-column code that is more careful about
the duration of "critical regions".

From 6590327247673238417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd69fe95344d7117,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-02 08:22:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gitpyr.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!gatech!gitpyr!tynor
From: tynor@gitpyr.UUCP (Steve Tynor)
Newsgroups: net.micro.apple
Subject: Mac speedup?
Message-ID: <316@gitpyr.UUCP>
Date: Fri, 2-Nov-84 11:22:15 EST
Article-I.D.: gitpyr.316
Posted: Fri Nov 2 11:22:15 1984
Date-Received: Mon, 5-Nov-84 07:51:14 EST
Distribution: net
Organization: Georgia Institute of Technology
Lines: 21

I've heard a rumor that it's possible to speed up the Mac's

computaion time by somehow turning off the display (which eats up
something like 80% of the CPU time...)

All inquiries from local gurus have indicated that while it is
possible to do this on the Lisa, it is not possible on the Mac..
Still, the rumor came from a fairly reliable source. Maybe it's
buried away in the Inside Mac documents... Can anyone help me?
I really want a Mac, but it's too slow for what I need to do
(real time control of a digital music synthesizer which will require
a fair amount of floating point calculation)

=-=
Eschew Obfuscation.

    Steve Tynor
    Georgia Instutute of Technology

 ...{akgua, allegra, amd, harpo, hplabs,
     ihnp4, masscomp, ut-ngp, rlgvax, sb1,
     uf-cgrl, unmvax, ut-sally} !gatech!gitpyr!tynor

From 4787092279745834817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b0731d37b9baeda,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-02 10:36:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: VT52/100 Emulator
Message-ID: <4097@decwrl.UUCP>
Date: Fri, 2-Nov-84 13:36:20 EST
Article-I.D.: decwrl.4097
Posted: Fri Nov 2 13:36:20 1984
Date-Received: Sat, 3-Nov-84 20:55:16 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 18

hello   hello,

Does anyone know of a terminal emulator for the //e that will do either a
vt52 or vt100. I will be tying into a VAX. Also does anyone know if Apple
in all there infinte wisdom has some type of newsletter?? If not I think it
would behoove them to do so. I've also seen alot of things mentioned about
Apple Tech Support. What's the fone # and why doesn't Apple let people know
about it. It seems that Apple doesn't care to much about there users out there
"educated or not". Why people should have to join "Apple Core" or some of the
otheres is beyond me. I invite others to reply and let me know of your thoughts

on this. One last thing::: Does anybody have a the GAME port working with 2 joysticks???? If so please let me know.

Thanx

Joe Craparotta (NY1MM::Craparotta)

From 9115228124229439792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e78e0aa911aecac3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-02 14:39:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!jwb
From: jwb@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: CONNECTING A DEC LA50 TO AN APPLE II+
Message-ID: <3434@ecsvax.UUCP>
Date: Fri, 2-Nov-84 17:39:52 EST
Article-I.D.: ecsvax.3434
Posted: Fri Nov 2 17:39:52 1984
Date-Received: Sat, 3-Nov-84 22:26:01 EST
References: decwrl.4087
Lines: 12

In addition if anyone can give a better explanation of the LA50 in graphics mode than is supplied by the ABOMINABLE manuals DEC provides with this printer I would certainly appreciate it! DEC seems to think you will connect it to your PRO and use "screen-print" all the time, and so you don't need to know how it works. The LA-50, by the way, is a very nice printer for the money and can often be cheaper than its Japanese cousin (considering that it has a serial interface).

Jack Buchanan
Medicine and Biomedical Engineering
UNC-Chapel Hill
decvax!mcnc!ecsvax!jwb

From -741389700731875077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f23ff3c597b9803c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-02 19:39:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site emory.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!emory!km
From: km@emory.UUCP (Ken Mandelberg)
Newsgroups: net.micro.apple
Subject: Alternatives to Imagewriter?
Message-ID: <1426@emory.UUCP>

Date: Fri, 2-Nov-84 22:39:04 EST
Article-I.D.: emory.1426
Posted: Fri Nov 2 22:39:04 1984
Date-Received: Mon, 5-Nov-84 08:26:23 EST
Organization: Math & Computer Science, Emory University, Atlanta
Lines: 15

Has anyone tried a substitute printer for the Imagewriter?

I would like to either use some parallel Epsons we
already have (sitting on some PCs), or buy a quiet HP
thinkjet.

Ken Mandelberg
Emory University
Dept of Math and CS
Atlanta, Ga 30322

{akgua,sb1,gatech}!emory!km   USENET
km@emory   CSNET
km.emory@csnet-relay   ARPANET

From -7446885794818252091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dfaf45d749852214,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-02 19:53:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site emory.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!emory!km
From: km@emory.UUCP (Ken Mandelberg)
Newsgroups: net.micro.apple
Subject: Technical MacBooks?
Message-ID: <1427@emory.UUCP>
Date: Fri, 2-Nov-84 22:53:11 EST
Article-I.D.: emory.1427
Posted: Fri Nov 2 22:53:11 1984
Date-Received: Mon, 5-Nov-84 08:26:37 EST
Organization: Math & Computer Science, Emory University, Atlanta
Lines: 14

Are their any technical books on Macs for programmers besides
"Inside Macintosh"? Dalton's abounds with books on the
grizzly innards of VICs, C64s, Sinclairs,... but all
the Mac books are for "the rest of us".

Ken Mandelberg
Emory University
Dept of Math and CS
Atlanta, Ga 30322

{akgua,sb1,gatech}!emory!km   USENET
km@emory   CSNET
km.emory@csnet-relay   ARPANET

From -5118289828221007580
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,cae7bb34b42821c0,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 129c11,cae7bb34b42821c0,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,cae7bb34b42821c0,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14d0b9,cae7bb34b42821c0,start
X-Google-Attributes: gid14d0b9,public
X-Google-ArrivalTime: 1984-11-02 21:51:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro,net.micro.cbm,net.micro.apple,fa.info-mac
Subject: VIC-1525 printer interface to Macintosh
Message-ID: <146@qumix.UUCP>
Date: Sat, 3-Nov-84 00:51:05 EST
Article-I.D.: qumix.146
Posted: Sat Nov 3 00:51:05 1984
Date-Received: Mon, 29-Oct-84 02:38:37 EST
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 16

Does anyone out there know how to interface a VIC-1525 printer to the
Macintosh? This is a dot matrix printer from commodore and it uses a
non-standard serial type interface. It connects to a 6522 and has
these signals:
     pin 1 serial srq in
     pin 2 ground
     pin 3 serial atn in (host signals)
     pin 4 serial clk out/
     pin 5 serial data out/
     pin 6 reset/

Since I already have this printer and $500 is a bit steep for an
imagewriter, I will be eternally grateful if anyone can help. I assume
that I may need a software driver once I get this figured out. To my
knowledge the only commercial interface is FROM the CBM host TO an
imagewriter.

From -2178363341056539224
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,991cc87b5906bef1,start

X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,991cc87b5906bef1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-03 08:24:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site digi-g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!stolaf!umn-cs!digi-g!brian
From: brian@digi-g.UUCP (Merlyn Leroy <Brian Westley>)
Newsgroups: net.news.group,net.micro.apple
Subject: net.micro.apple.mac-->net.micro.mac
Message-ID: <358@digi-g.UUCP>
Date: Sat, 3-Nov-84 11:24:34 EST
Article-I.D.: digi-g.358
Posted: Sat Nov 3 11:24:34 1984
Date-Received: Tue, 6-Nov-84 04:41:44 EST
Organization: DigiGraphic Systems Corp., Mpls. MN
Lines: 11

<>
     Apparently, there are still news programs out there that will
not handle a news group that needs > 14 characters significance, such as
net.micro.apple.mac. Since the control message to create this group didn't
make it very far anyway (is there some connection here?), it would be
possible to kill net.micro.apple.mac and create net.micro.mac instead.
I would rather not do this, but a significant fraction of news sites would
not handle the longer name (at least it's better than 6 character names,
case indistinct :-) What is the consensus?

<this is getting very tiresome, I wish I hadn'ta done it>

From 4378563153349581935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc136946831b156
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-03 14:32:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site lems.UUCP
Path: utzoo!linus!decvax!genrad!wjh12!foxvax1!brunix!lems!klr
From: klr@lems.UUCP (Ken Robbins)
Newsgroups: net.micro.apple
Subject: Re: Cheap Upgrades
Message-ID: <138@lems.UUCP>
Date: Sat, 3-Nov-84 17:32:24 EST
Article-I.D.: lems.138
Posted: Sat Nov 3 17:32:24 1984
Date-Received: Sun, 4-Nov-84 05:19:57 EST
References: <620@reed.UUCP> <aluxp.167>
Reply-To: klr@lems.UUCP (Ken Robbins)
Organization: lems
Lines: 9

Yes, I think that you should post the upgrade details for the Mac.
Also, if there are enough people in netland that want to do the
upgrade themselves, we might want to consider purchasing the 256K chips
together to get quantity pricing.
   Does anyone have the current price breakdown for 256K DRAMS
(mine are quite out of date), and a list of potential sources?
     -Ken (klr@lems.UUCP)

From -688502178369653755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7cea06a905bf38b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-03 16:09:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!wjh12!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: 2nd disk for Fat Mac (opinions sough
Message-ID: <12500021@acf4.UUCP>
Date: Sat, 3-Nov-84 19:09:00 EST
Article-I.D.: acf4.12500021
Posted: Sat Nov 3 19:09:00 1984
Date-Received: Tue, 6-Nov-84 03:40:49 EST
References: <1891@uw-june.UUCP>
Organization: New York University
Lines: 6
Nf-ID: #R:uw-june:-189100:acf4:12500021:000:221
Nf-From: acf4!spector   Nov 3 19:09:00 1984

Apple Certainly does sell'em. I have one on my (128Kb) Macintosh and it real
nice to have! I am really looking forward to the NEW finder though, so I can
justify a Hard disk!

                  Dave Spector
                  NYU/acf Systems Group

From -8585406172171442122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb6c1db5b0087663
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-03 16:17:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!wjh12!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple][+ disk drives
Message-ID: <12500022@acf4.UUCP>
Date: Sat, 3-Nov-84 19:17:00 EST

Article-I.D.: acf4.12500022
Posted: Sat Nov 3 19:17:00 1984
Date-Received: Tue, 6-Nov-84 03:41:19 EST
References: <435@intelca.UUCP>
Organization: New York University
Lines: 11
Nf-ID: #R:intelca:-43500:acf4:12500022:000:381
Nf-From: acf4!spector   Nov 3 19:17:00 1984

Ahhh Yup, it sounds like you need the old heads aligned. The very same thing happened to my Apple][+ and its drives. You should really have the drives looked at ASAP, my experience was that I had a great deal of difficulty reading the disks I have written with the 'flakey' drives after they were fixed...

'Hope that helps....

- Dave Spector
  NYU/acf Systems Group

From -840963295711913308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b0731d37b9baeda
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-03 16:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!wjh12!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: VT52/100 Emulator
Message-ID: <12500023@acf4.UUCP>
Date: Sat, 3-Nov-84 19:20:00 EST
Article-I.D.: acf4.12500023
Posted: Sat Nov 3 19:20:00 1984
Date-Received: Tue, 6-Nov-84 03:41:49 EST
References: <4097@dec-ny1mm.UUCP>
Organization: New York University
Lines: 16
Nf-ID: #R:dec-ny1mm:-409700:acf4:12500023:000:378
Nf-From: acf4!spector   Nov 3 19:20:00 1984

Hello,

Ascii Express ("The Professional") works pretty well as a vt52 or z19..

As for the Apple Technical support #, the one I use is in Westboro Mass, and they're number is:

(617) 481 8101

I have always found them to be very helpful, they even called me back at
2am once (I had called them around 1:45am, someone must have been hacking
reall(!) late.)

David.

From 620635393579652249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb6c1db5b0087663
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-04 01:40:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sdcc3.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!decvax!mcnc!akgua!
sdcsvax!sdcc3!23176064
From: 23176064@sdcc3.UUCP ([>Voltage Spike<])
Newsgroups: net.micro.apple
Subject: Re: Apple][+ disk drives
Message-ID: <2438@sdcc3.UUCP>
Date: Sun, 4-Nov-84 04:40:54 EST
Article-I.D.: sdcc3.2438
Posted: Sun Nov 4 04:40:54 1984
Date-Received: Thu, 8-Nov-84 00:20:50 EST
References: <435@intelca.UUCP>
Distribution: net
Organization: U.C. San Diego, Academic Computer Center
Lines: 31

> well after two error-free years, my apple][+ disk drive is beginning to
> die a rapid death... but its a strange problem, I wondered if anyone out
> there had similar experiences/helpful hints.

Well, I also had trouble with my Disk][drive, at the age of 2. My
only solution was physically pushing the drive head back to beyond
track 0...unfortunately this is only works for the next couple of
boots. A much better solution is buying a new one, such as a
Micro-Sci A2, or Quentin. Both are excellent. Also, I remember a
msg. on the net about high density floppies...could someone tell me
when these will be available, and who is producing them?

>
> The outer tracks work perfectly, the inner tracks are flakey with the
> flakiest tracks on the very inside.
>
> Disks written long ago are only slightly flakey.
> Newly formatted disks work perfectly (no bad blocks)
> Both old and new disks get extremely flakey when things are written
> and subsequently read from the inner tracks.
>
> Yes, it sounds somewhat like head positioning and possibly alignment

> problems, has anyone had similar problems or know how to fix it.
> (I do have access to scopes, etc.)
> --
> ^ ^   Glen Shires, Intel, Santa Clara, Ca.
> O O   Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
> >   ARPA: "amd!intelca!glen"@BERKELEY
> \-/   --- stay mellow

*** REPLACE THIS LINE WITH YOUR MESSAGE ***

From 7378146952924909248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 103138,f75da47bb1de3452,start
X-Google-Attributes: gid103138,public
X-Google-Thread: 1622d3,f75da47bb1de3452,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 07:39:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site utcsrgv.UUCP
Path: utzoo!utcsrgv!mnh
From: mnh@utcsrgv.UUCP (Mark N. Hume)
Newsgroups: ont.micro,net.micro.apple
Subject: Epxon MX-100 Model III printer for sale.
Message-ID: <410@utcsrgv.UUCP>
Date: Mon, 5-Nov-84 10:39:18 EST
Article-I.D.: utcsrgv.410
Posted: Mon Nov 5 10:39:18 1984
Date-Received: Mon, 5-Nov-84 11:44:03 EST
Distribution: tor
Organization: CSRI, University of Toronto
Lines: 14

For Sale: One Used   Epson MX-100 Model III printer and One used
Pkaso printer interface board (for an Apple II + or e and the
Epson). The Pkaso interface is compatable with the Orange Micro
Grappler interface (does screen dumps etc.).
The printer has just had a *new* print head installed.

(I have bought a Macintosh and no longer have any use for the
Epson printer).

Price: Can $950.00 for both printer and interface card.

     Mark Hume University of Toronto Dept. Comp. Sci.
     utcsrgv!mnh

From 9116182943005153815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b56617ff8a35dd2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 08:24:40 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: LA50 & the APPLE
Message-ID: <4118@decwrl.UUCP>
Date: Mon, 5-Nov-84 11:24:40 EST
Article-I.D.: decwrl.4118
Posted: Mon Nov 5 11:24:40 1984
Date-Received: Tue, 6-Nov-84 07:48:49 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 22

The reason graphics will not work with a LA50 and a Apple is do to the fact
that the LA50 logic bd was desined with the SAME escape sequences as the
LQP series!! It was and is only for DECPC's. Although it is other wise the
same as the CITOH, and the Apple Image Write. You can as you probaly know
that it will print but graphics are not supported by he Software people! You
can go in to these programs and change the ESC sequences or you can probably
try and buy the logic bds for the Image or CITOHPro Writer. Although I have
never seen the CITOH hires print I can assure you that the IMAGE writer is a
phenomenal printer in hires!
. Also for the person that replyed to my VT52
emulator question, I did try ASCII EXP"The Pro" with no difference. When ever
I try to use the "PHONE" the esc seq. come on the screen but dont work. I'm
probably doing something wrong so if you can explain a little further (ie.
setup etc) I'd appreciate it.

Thank You!!!

JoeCraparotta (NY1MM::Craparotta)

From -1046153589304320230
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,689db18fadc32fd3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 09:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!drutx!trb
From: trb@drutx.UUCP (BuckleyTR)
Newsgroups: net.micro.apple
Subject: WANTED! Macput & Macget - David Spector, please read!
Message-ID: <1367@drutx.UUCP>
Date: Mon, 5-Nov-84 12:06:00 EST
Article-I.D.: drutx.1367

Posted: Mon Nov 5 12:06:00 1984
Date-Received: Tue, 6-Nov-84 06:49:50 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 11

David Spector - I tried sending you mail but it bombed at the ihnp4
location. I'm wanting the sources and manual pages for Macput and
Macget. Can you please send them to me? I will be eternally
grateful (well, maybe not ETERNALLY...). Thanks,

Tom Buckley
AT&T Information Systems
ihnp4!drutx!trb
phone (303) 538-3442

From -5297886917805908433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2b9736ed3dc38989,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 09:10:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Open- and closed-apple keys
Message-ID: <4119@decwrl.UUCP>
Date: Mon, 5-Nov-84 12:10:01 EST
Article-I.D.: decwrl.4119
Posted: Mon Nov 5 12:10:01 1984
Date-Received: Tue, 6-Nov-84 07:49:11 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 19

Summary (!) of the FLOOD of responses to my question about the open- and
closed-apple keys on a //e , so I could try //e software on a][+:

1. They are the same as Pushbuttons 0 and 1 on the game port.

2. Some software may not run anyway - this I haven't tried. If anyone
    has tried to run Applewriter //e on a][+, any info will be appreciated.

3. Open apple + CTRL + RESET will do a warm boot with ProDOS.

Thanks for all the help!

Cheers,
Dick Binder   ("Beware the Jabberwock, my son!")

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder

ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Monday 5th November 1984, 11:13 EST by DOSADI::BINDER

From -5436791957391690611
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c5a1d4bcf1bebad8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 19:43:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site usceast.UUCP
Path: utzoo!linus!decvax!mcnc!ncsu!ncrcae!usceast!ted
From: ted@usceast.UUCP (Ted Nolan)
Newsgroups: net.micro.apple
Subject: Unix/mac interface : hardware question
Message-ID: <2128@usceast.UUCP>
Date: Mon, 5-Nov-84 22:43:52 EST
Article-I.D.: usceast.2128
Posted: Mon Nov 5 22:43:52 1984
Date-Received: Thu, 8-Nov-84 03:22:19 EST
Reply-To: ted@usceast.UUCP (Ted Nolan)
Organization: Csci Dept, U of S. Carolina, Columbia
Lines: 19

<Macbugkiller Macline>

I'm about to try transferring some software from our 4.2 unix system to
the Mac, and I was wondering if anyone out there knows about the pin
assignments for the mac serial ports. I would like to hook it up to
a unix tty line, and I can tell at a glance that the sockets are smaller
than the rs232 sockets on our terminals and lines. I'm not a hardware
person, but I think if I knew the pin system I could work it out.
Please, mail only.

              Thanks muchly
              Ted Nolan ..usceast!ted
--
Ted Nolan   ...decvax!mcnc!ncsu!ncrcae!usceast!ted
6536 Brookside Circle   ...akgua!usceast!ted
Columbia, SC 29206
      ("Deep space is my dwelling place, the stars my destination")

From 7262615095241112166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,545b54762ed00acb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-05 21:12:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bbncca.ARPA

Path: utzoo!linus!bbncca!jmattson
From: jmattson@bbncca.ARPA (Jeff Mattson)
Newsgroups: net.micro.apple
Subject: Macintosh Pascal manuals
Message-ID: <1109@bbncca.ARPA>
Date: Tue, 6-Nov-84 00:12:55 EST
Article-I.D.: bbncca.1109
Posted: Tue Nov 6 00:12:55 1984
Date-Received: Wed, 7-Nov-84 01:11:57 EST
Organization: Bolt, Beranek and Newman, Cambridge, Ma.
Lines: 15

Where can I get a copy of the manuals for Macintosh Pascal? My sister, who
works for Apple, was able to get a pre-release copy but without any
documentation. Thanks.

Don't dream it; BE IT!

Jeff Mattson
JMattson@BBNCCA
24 Westland Ave. #10
Boston, MA 02115

From 7019177440742348077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f591f84831663e1f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-06 06:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucuxc.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!ihnp4!inuxc!pur-ee!uiucdcs!
uiucuxc!hinkston
From: hinkston@uiucuxc.UUCP
Newsgroups: net.micro.apple
Subject: RE: Termcap for Apple //e
Message-ID: <23600014@uiucuxc.UUCP>
Date: Tue, 6-Nov-84 09:08:00 EST
Article-I.D.: uiucuxc.23600014
Posted: Tue Nov 6 09:08:00 1984
Date-Received: Thu, 8-Nov-84 07:09:21 EST
Lines: 6
Nf-ID: #N:uiucuxc:23600014:000:148
Nf-From: uiucuxc!hinkston   Nov 6 08:08:00 1984

RE: Termcap for Apple //e
     Does anyone have a termcap for an Apple //e dialup?

     I need it to be able to use 'vi' at home. Thanx!

From 2236072387519055735
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd69fe95344d7117
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-06 14:32:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!spuxll!ech
From: ech@spuxll.UUCP (Ned Horvath)
Newsgroups: net.micro.apple
Subject: Re: Mac speedup?
Message-ID: <578@spuxll.UUCP>
Date: Tue, 6-Nov-84 17:32:46 EST
Article-I.D.: spuxll.578
Posted: Tue Nov 6 17:32:46 1984
Date-Received: Thu, 8-Nov-84 04:56:38 EST
References: <316@gitpyr.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 9

You have the numbers backwards: the Mac display hardware steals
approximately 25% of the RAM cycles from the 68K, reducing its "effective"
clock from 8MHz to about 6MHz. Apple makes a point of the fact that the
cycle-stealing does NOT affect ROM access, so the toolkit code runs full-out
at 8MHz.

But no, I don't know of any way to turn off the display.

=Ned=

From 2624379390352130748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126216e86ea478f6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-07 08:35:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Running Aztec C under 'Custom DOS'
Message-ID: <5632@brl-tgr.ARPA>
Date: Wed, 7-Nov-84 11:35:52 EST
Article-I.D.: brl-tgr.5632
Posted: Wed Nov 7 11:35:52 1984
Date-Received: Sat, 10-Nov-84 04:03:18 EST
References: <199@ganehd.UUCP>
Organization: Ballistic Research Lab
Lines: 8

>   How can you take the binaries from the DOS verion of the

>   Aztec C compiler and run them under a 'custom' Operating System?

I assume you mean the linked applications, not the Aztec compiler itself.
In which case, you have to replace much of the C library with routines to
use the "custom" OS instead of DOS 3.3. Then, if the "custom" OS use of
memory does not conflict with Aztec run-time usage, all you need do is
load and execute the linker output binary file.

From 7307909570178353178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97137a2c3edd703a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-07 09:36:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadla.UUCP
Path: utzoo!linus!decvax!tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro.apple
Subject: Re: Lets get rid of all the MAC CRAP
Message-ID: <117@dadla.UUCP>
Date: Wed, 7-Nov-84 12:36:58 EST
Article-I.D.: dadla.117
Posted: Wed Nov 7 12:36:58 1984
Date-Received: Sat, 10-Nov-84 02:50:53 EST
References: <606@loral.UUCP>
Organization: Tektronix, Beaverton OR
Lines: 2

Here's my vote! Macoff! -:)

From 1936819069226655662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,689db18fadc32fd3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-07 13:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: WANTED! Macput & Macget - David Spec
Message-ID: <12500024@acf4.UUCP>
Date: Wed, 7-Nov-84 16:30:00 EST
Article-I.D.: acf4.12500024
Posted: Wed Nov 7 16:30:00 1984
Date-Received: Sat, 10-Nov-84 05:21:04 EST
References: <1367@drutx.UUCP>
Organization: New York University
Lines: 1169
Nf-ID: #R:drutx:-136700:acf4:12500024:000:21658
Nf-From: acf4!spector   Nov 7 16:30:00 1984

Hi there, Yes, I do read net.micro.apple! Sorry you couldn't get to me..
There were a few people who sent mail to me via UUCPnet and to whom
I couldn't reply because I couldn't get mail to'em, but heres the Macput/MacGet
sources with the manual pages...

...Sorry they're not in Archive form..., I'll see about putting in archive form
and then re-posting them to net.sources...

-Enjoy
Dave.

This file contains the Following:

Manual page for MACGET
Manual page for MACPUT
Corrected MacGet program (in C)
Corrected MacPut program (in C)

All of the above were skillfully crafted by Dave Johnson at Brown, and
have been maintained (at New York University) by David Spector.

```
.TH MACGET local "31 July 1984"
.UC 4
.SH NAME
macget \- receive file from macintosh via Xmodem/macterminal
.SH SYNOPSIS
.B macget
[
.B \-rdu
] [file]
.SH DESCRIPTION
.I Macget
receives a file from a Macintosh running MacTerminal.
The File Transfer settings should specify the "xModem"
transfer method and a "MacTerminal" remote system.
This program is designed for use with the 0.5 Beta and newer
versions of MacTerminal, but includes a compatibility option for the
older -0.15X Almost-Alpha version.
.PP
To use this program, log into the unix system using MacTerminal,
start macget with the desired options, select "Send File..." from
the "File" menu, and open the file you wish to send.
If MacTerminal is properly configured, it will put up an indicator
showing how much of the file has been transfered.
Several Control-X's may be used to force macget
to give up if the transfer fails.
.PP
```

```
The optional
.I file
parameter specifies the name to use when creating the unix files,
otherwise the Mac file name is used
(with spaces converted to underscores).
.PP
If none of the
.B \-rdu
flags are specified,
.I macget
receives three files from the Mac:
.IB file .info ,
.IB file .data ,
and
.IB file .rsrc .
This mode is useful for storing Mac files so they can
be restored later using
.IR macput .
.PP
The
.B \-r
flag specifies
.I resource
mode.
Only
.IB file .rsrc
will be created, from the Mac file's resource fork.
.PP
The
.B \-d
flag specifies
.I data
mode.
Only
.IB file .data
will be created, containing the data fork of the Mac file.
.PP
The
.B \-u
flag requests
.I unix
mode, in which carriage returns are converted into
unix newline characters, and the unix file
.IB file .text
is created.
A file saved from Mac applications as "text only" can be transfered
using this option to convert it to a normal unix text file.
.PP
The
.B \-o
flag specifies "old" (version -0.15X) MacTerminal compatibility mode.
You must manually disable XON/XOFF flow control in this version to
perform file transfer; this is done automatically in the newer versions.
```

```
.SH SEE ALSO
macput(local)
.SH BUGS
Doesn't work over flow controlled communication lines,
or when using rlogin.
.SH AUTHOR
Dave Johnson, Brown 7/31/84

-----------------Manual Page for MacPut Follows-------------------------------
.TH MACPUT local "31 July 1984"
.UC 4
.SH NAME
macput \- send file to macintosh via xmodem/macterminal
.SH SYNOPSIS
.B macput
file
.br
.B macput
[
.B \-rdu
] file
[
.B \-t
type
]
[
.B \-a
author
]
[
.B \-n
name
]
.SH DESCRIPTION
.I Macput
sends a file to a Macintosh running MacTerminal.
The File Transfer settings should specify the "Xmodem"
transfer method and a "MacTerminal" remote system.
This program is designed for use with the 0.5 Beta and newer
versions of MacTerminal, but includes a compatibility option for the
older -0.15X Almost-Alpha version.
.PP
To use this program, log into the unix system using MacTerminal,
and run macput specifying the desired options and one file to be sent.
If MacTerminal is properly configured, it will recognize that a file
is arriving on the serial line and put up an indicator showing how
much of the file has been sent.
Several Control-X's may be used to force macput
to give up if the transfer fails.
.PP
If none of the
.B \-rdu
flags are specified,
```

.I macput
sends three files to the mac:
.IB file .info ,
.IB file .data ,
and
.IB file .rsrc .
This is useful for returning files to the mac which were stored
using macget.
.PP
The
.B \-r
flag specifies
.I resource
mode.
Either
.IB file .rsrc
or
.I file
will be sent to the Mac, along with a forged
.B .info
file and an empty
.B .data
file.
The file sent becomes the resource fork of the Mac file.
.PP
The
.B \-d
flag specifies
.I data
mode.
Either
.IB file .data
,
.IB file .text
or
.I file
will be sent to the Mac, along with a forged
.B .info
file and an empty
.B .rsrc
file.
The file sent becomes the data fork of the Mac file.
.PP
The
.B \-u
flag requests
.I unix
mode, which is the same as
.I data
mode except unix newline characters are converted
into carriage returns.
Human-readable unix text files sent to the Mac using this option
will be compatible with applications which expect "text only" files.

```
.PP
The
.B \-o
flag specifies "old" (version -0.15X) MacTerminal compatibility mode.
You must manually disable XON/XOFF flow control in this version to
perform file transfer; this is done automatically in the newer versions.
.PP
The remaining options serve to override the default
file type, author, and file name to be used on the Mac.
The default type and author for
.I resource
mode are "APPL" and "CCOM".
.I data
mode defaults are "TEXT", "????", and
.I unix
mode defaults are "TEXT" and "MACA".
.SH SEE ALSO
macget(local)
.SH BUGS
Doesn't work over flow controlled communication lines,
or when using rlogin.
.PP
Doesn't set the bundle bit on resource files,
to incorporate any icons into the Desk Top.
Use setfile to set the bundle bit.
.SH FEATURES
Properly initializes the Creation Date.
.SH AUTHOR
Dave Johnson, Brown 7/31/84

----------------------MacGet Program Follows---------------------------------
#include <stdio.h>
#include <signal.h>
#include <setjmp.h>
#include <sgtty.h>

#ifdef NO_RENAME
#define rename(old, new)    link(old, new); unlink(old)
#endif

/* Mac time of 00:00:00 GMT, Jan 1, 1970 */
#define TIMEDIFF 0x7c25b080

#define RECORDBYTES 132
#define DATABYTES 128
#define NAMEBYTES 63

#define RETRIES 10
#define SOHTIMO 10
#define LINTIMO 20
#define CHRTIMO 1

#define MAXRECNO 0xff
```

```
#define BYTEMASK 0xff

#define TMO -1
#define DUP '\000'
#define SOH '\001'
#define EOT '\004'
#define ACK '\006'
#define NAK '\025'
#define CAN '\030'
#define EEF '\032'
#define ESC '\033'

#define H_NLENOFF 1
#define H_NAMEOFF 2
/* 65 <-> 80 is the FInfo structure */
#define H_TYPEOFF 65
#define H_AUTHOFF 69

#define H_LOCKOFF 81
#define H_DLENOFF 83
#define H_RLENOFF 87
#define H_CTIMOFF 91
#define H_MTIMOFF 95

#define H_OLD_DLENOFF 81
#define H_OLD_RLENOFF 85

#define TEXT 0
#define DATA 1
#define RSRC 2
#define FULL 3

int mode, txtmode;
int pre_beta; /* -o flag; for compatibility with MacTerminal Version -0.15X */

struct macheader {
     char m_name[NAMEBYTES+1];
     char m_type[4];
     char m_author[4];
     long m_datalen;
     long m_rsrclen;
     long m_createtime;
     long m_modifytime;
} mh;

struct filenames {
     char f_info[256];
     char f_data[256];
     char f_rsrc[256];
} files;

char tmpname[16];
```

```
int lastack;
char buf[DATABYTES];

/*
 * macget -- receive file from macintosh using xmodem protocol
 * Dave Johnson, Brown University Computer Science
 *
 * (c) 1984 Brown University
 * may be used but not sold without permission
 *
 * created ddj 5/22/84
 * revised ddj 6/29/84 -- added [-rdu] options
 * revised ddj 7/16/84 -- protocol changes for MacTerminal Beta Version 0.5X
 * revised ddj 7/31/84 -- pre-4.2 signal bugs fixed in timedout()
 */
char usage[] = "usage: \"macget [-o] [-rdu] [filename]\"\n";

main(ac, av)
char **av;
{
     char *name;

     mode = FULL;
     name = "";
     ac--; av++;
     while (ac) {
          if (av[0][0] == '-') {
               switch (av[0][1]) {
               case 'r':
                    mode = RSRC;
                    break;
               case 'd':
                    mode = DATA;
                    break;
               case 'u':
                    mode = TEXT;
                    break;
               case 'o':
                    pre_beta++;
                    break;
               default:
                    fprintf(stderr, usage);
                    exit(1);
               }
          }
          else {
               name = av[0];
          }
          ac--; av++;
     }

     setup_tty();
     if (send_sync() == ACK) {
```

```
          txtmode = 0;
          recv_hdr(name);
          if (mode == TEXT) txtmode++;
          recv_file(files.f_data, mh.m_datalen, 1);
          txtmode = 0;
          recv_file(files.f_rsrc, mh.m_rsrclen, 0);
     }
     reset_tty();
}

recv_hdr(name)
char *name;
{
     long get4();
     int n;
     FILE *fp;
     char *np;

     strcpy(tmpname, "#macbdrXXXXXX");
     mktemp(tmpname);
     recv_file(tmpname, (long)DATABYTES, 1);

     fp = fopen(tmpname, "r");
     if (fp == NULL) {
          perror("temp file");
          cleanup(-1);
     }
     fread(buf, 1, DATABYTES, fp);
     fclose(fp);

     if (name && *name) {
          n = strlen(name);
          if (n > NAMEBYTES) n = NAMEBYTES;
          strncpy(mh.m_name, name, n);
          mh.m_name[n] = '\0';
     }
     else {
          n = buf[H_NLENOFF] & BYTEMASK;
          if (n > NAMEBYTES) n = NAMEBYTES;
          strncpy(mh.m_name, buf + H_NAMEOFF, n);
          mh.m_name[n] = '\0';
     }
     for (np = mh.m_name; *np; np++)
          if (*np == ' ') *np = '_';

     if (mode == FULL) {
          sprintf(files.f_info, "%s.info", mh.m_name);
          rename(tmpname, files.f_info);
          tmpname[0] = '\0';
          sprintf(files.f_data, "%s.data", mh.m_name);
          sprintf(files.f_rsrc, "%s.rsrc", mh.m_name);
     }
     else {
```

```
          unlink(tmpname);
          tmpname[0] = '\0';
          switch (mode) {
          case RSRC:
               sprintf(files.f_data, "/dev/null");
               sprintf(files.f_rsrc, "%s.rsrc", mh.m_name);
               break;

          case DATA:
               sprintf(files.f_data, "%s.data", mh.m_name);
               sprintf(files.f_rsrc, "/dev/null");
               break;

          case TEXT:
               sprintf(files.f_data, "%s.text", mh.m_name);
               sprintf(files.f_rsrc, "/dev/null");
               break;
          }
     }

     strncpy(mh.m_type, buf + H_TYPEOFF, 4);
     strncpy(mh.m_author, buf + H_AUTHOFF, 4);
     if (pre_beta) {
          mh.m_datalen = get4(buf + H_OLD_DLENOFF);
          mh.m_rsrclen = get4(buf + H_OLD_RLENOFF);
     }
     else {
          mh.m_datalen = get4(buf + H_DLENOFF);
          mh.m_rsrclen = get4(buf + H_RLENOFF);
          mh.m_createtime = get4(buf + H_CTIMOFF);
          mh.m_modifytime = get4(buf + H_MTIMOFF);
     }
}

recv_file(fname, bytes, more)
char *fname;
long bytes;
int more;
{
     register int status, n;
     FILE *outf;
     int naks = 0;

     lastack = 0;
     outf = fopen(fname, "w");
     if (outf == NULL) {
          perror(fname);
          cleanup(-1);
     }
     for (;;) {
          status = rec_read(buf, DATABYTES);
          switch (status) {
          case EOT:
```

```
                if (!pre_beta)
                     tputc(ACK);
                if (more)
                     tputc(NAK);
                fclose(outf);
                return;
           case ACK:
                tputc(ACK);
                naks = 0;
                n = (bytes > DATABYTES) ? DATABYTES : bytes;
                bytes -= n;
                fwrite(buf, n, 1, outf);
                break;
           case DUP:
                tputc(ACK);
                naks = 0;
                break;
           case NAK:
                purge(CHRTIMO);
                if (naks++ < RETRIES) {
                     tputc(NAK);
                     break;
                }
                /* fall through */
           case CAN:
                tputc(CAN);
                fclose(outf);
                /* unlink fname? */
                cleanup(-1);
                /* NOTREACHED */
           }
     }
}

send_sync()
{
     int c;

     for (;;) {
          c = tgetc(60);
          switch (c) {
          case ESC:
               break;
          case CAN:
          case EOT:
          case TMO:
               return c;
          default:
               continue;
          }
          c = tgetc(1);
          if (c != 'a')
               continue;
```

```
          tputc(ACK);
          return ACK;
     }
}

rec_read(buf, recsize)
char buf[];
int recsize;
{
     int c, rec, rec_bar, cksum;

     c = tgetc(SOHTIMO);
     switch (c) {
     case TMO:
     default:
          return NAK;
     case EOT:
          return EOT;
     case CAN:
          return CAN;
     case SOH:
          /* read header */
          rec = tgetc(CHRTIMO);
          if (rec == TMO)
               return NAK;
          rec_bar = tgetc(CHRTIMO);
          if (rec_bar == TMO)
               return NAK;

          /* check header */
          if (rec != MAXRECNO - rec_bar) return NAK;

          /* fill buffer */
          cksum = tgetrec(buf, recsize, LINTIMO);
          if (cksum == TMO)
               return NAK;

          /* get checksum */
          c = tgetc(CHRTIMO);
          if (c == TMO)
               return NAK;
          if (c != (cksum & BYTEMASK))
               return NAK;

          /* check record number */
          if (rec == lastack)
               return DUP;
          if (rec != ((lastack + 1) & MAXRECNO))
               return CAN;
          else {
               lastack = rec;
               return ACK;
          }
```

```
     }
     /* NOTREACHED */
}

purge(timeout)
int timeout;
{
     int c;

     do {
          c = tgetc(timeout);
     } while (c != TMO);
}

static int ttyfd;
static FILE *ttyf;
jmp_buf timobuf;

tgetrec(buf, count, timeout)
char *buf;
int count, timeout;
{
     char *bp;
     int i, cksum;

     if (setjmp(timobuf))
          return TMO;

     alarm(timeout);
     i = fread(buf, 1, count, ttyf);
     alarm(0);
     if (i != count)
          return TMO;

     cksum = 0;
     bp = buf;
     for (i = 0; i < count; bp++, i++) {
          cksum += *bp;
          if (txtmode && *bp == '\r')
               *bp = '\n';
     }
     return cksum;
}

tgetc(timeout)
int timeout;
{
     int c;

     if (setjmp(timobuf))
          return TMO;

     alarm(timeout);
```

```
     c = getc(ttyf);
     alarm(0);

     if (c == -1)  /* probably hung up or logged off */
          return EOT;
     else
          return c & BYTEMASK;
}

tputc(c)
char c;
{
     write(ttyfd, &c, 1);
}

timedout()
{
     signal(SIGALRM, timedout);  /* for pre-4.2 systems */
     longjmp(timobuf, 1);
}

static struct sgttyb otty, ntty;
/* should turn messages off */

setup_tty()
{
     int cleanup();
     int timedout();

     ttyf = stdin;
     ttyfd = fileno(stdin);
     ioctl(ttyfd, TIOCGETP, &otty);
     signal(SIGHUP, cleanup);
     signal(SIGINT, cleanup);
     signal(SIGQUIT, cleanup);
     signal(SIGTERM, cleanup);
     signal(SIGALRM, timedout);
     ntty = otty;
     ntty.sg_flags = RAW|ANYP;
     ioctl(ttyfd, TIOCSETP, &ntty);
}

reset_tty()
{
     sleep(2);/* should wait for output to drain */
     ioctl(ttyfd, TIOCSETP, &otty);
}

cleanup(sig)
int sig;
{
     if (tmpname[0] != '\0')
          unlink(tmpname);
```

```
     reset_tty();
     exit(sig);
}

long
get4(bp)
char *bp;
{
     register int i;
     long value = 0;

     for (i = 0; i < 4; i++) {
          value <<= 8;
          value |= (*bp & BYTEMASK);
          bp++;
     }
     return value;
}

----------------------Macput Program Follows---------------------------------

#include <stdio.h>
#include <signal.h>
#include <setjmp.h>
#include <sgtty.h>
#include <time.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <sys/timeb.h>

/* Mac time of 00:00:00 GMT, Jan 1, 1970 */
#define TIMEDIFF 0x7c25b080

#define RECORDBYTES 132
#define DATABYTES 128
#define NAMEBYTES 63

#define RETRIES 10
#define ACKTIMO 10

#define MAXRECNO 0xff
#define BYTEMASK 0xff

#define TMO -1
#define DUP '\000'
#define SOH '\001'
#define EOT '\004'
#define ACK '\006'
#define NAK '\025'
#define CAN '\030'
#define EEF '\032'
#define ESC '\033'
```

```
#define H_NLENOFF 1
#define H_NAMEOFF 2
/* 65 <-> 80 is the FInfo structure */
#define H_TYPEOFF 65
#define H_AUTHOFF 69

#define H_LOCKOFF 81
#define H_DLENOFF 83
#define H_RLENOFF 87
#define H_CTIMOFF 91
#define H_MTIMOFF 95

#define H_OLD_DLENOFF 81
#define H_OLD_RLENOFF 85

#define TEXT 0
#define DATA 1
#define RSRC 2
#define FULL 3

int mode, txtmode;
int pre_beta; /* -o flag; for compatibility with MacTerminal Version -0.15X */

struct macheader {
     char m_name[NAMEBYTES+1];
     char m_type[4];
     char m_author[4];
     long m_datalen;
     long m_rsrclen;
     long m_createtime;
     long m_modifytime;
} mh;

struct filenames {
     char f_info[256];
     char f_data[256];
     char f_rsrc[256];
} files;

int recno;
char buf[DATABYTES];

/*
 * macput -- send file to macintosh using xmodem protocol
 * Dave Johnson, Brown University Computer Science
 *
 * (c) 1984 Brown University
 * may be used but not sold without permission
 *
 * created ddj 6/17/84
 * revised ddj 7/16/84 -- protocol changes for MacTerminal Beta Version 0.5X
 * revised ddj 7/31/84 -- pre-4.2 signal bugs fixed in timedout()
 * revised ddj 7/31/84 -- fixed timeout problem in initial handshake
```

```
 */
char usage[] =
    "usage: \"macput [-o] [-rdu] [-t type] [-a author] [-n name] filename\"\n";

main(ac, av)
char **av;
{
     int n;
     char *filename;

     if (ac == 1) {
          fprintf(stderr, usage);
          exit(1);
     }

     mode = FULL;
     ac--; av++;
     while (ac) {
          if (av[0][0] == '-') {
               switch (av[0][1]) {
               case 'r':
                    mode = RSRC;
                    strncpy(mh.m_type, "APPL", 4);
                    strncpy(mh.m_author, "CCOM", 4);
                    break;
               case 'u':
                    mode = TEXT;
                    strncpy(mh.m_type, "TEXT", 4);
                    strncpy(mh.m_author, "MACA", 4);
                    break;
               case 'd':
                    mode = DATA;
                    strncpy(mh.m_type, "TEXT", 4);
                    strncpy(mh.m_author, "????", 4);
                    break;
               case 'n':
                    if (ac > 1) {
                         ac--; av++;
                         n = strlen(av[0]);
                         if (n > NAMEBYTES) n = NAMEBYTES;
                         strncpy(mh.m_name, av[0], n);
                         mh.m_name[n] = '\0';
                         break;
                    }
                    else goto bad_usage;
               case 't':
                    if (ac > 1) {
                         ac--; av++;
                         strncpy(mh.m_type, av[0], 4);
                         break;
                    }
                    else goto bad_usage;
               case 'a':
```

```
                    if (ac > 1) {
                         ac--; av++;
                         strncpy(mh.m_author, av[0], 4);
                         break;
                    }
                    else goto bad_usage;
               case 'o':
                    pre_beta++;
                    break;
               default:
bad_usage:
                    fprintf(stderr, usage);
                    exit(1);
               }
          }
          else {
               filename = av[0];
          }
          ac--; av++;
     }

     setup_tty();
     find_files(filename, mode);
     if (mode != FULL)
          forge_info();

     if (send_sync() == ACK) {
          txtmode = 0;
          sleep(1);
          send_file(files.f_info, 1);

          if (mode != FULL)
               unlink(files.f_info);

          if (mode == TEXT) txtmode++;
          send_file(files.f_data, 1);

          txtmode = 0;
          send_file(files.f_rsrc, 0);
     }
     reset_tty();
}

find_files(filename, mode)
char *filename;
{
     int n, tdiff;
     struct tm *tp;
     struct timeb tbuf;
     struct stat stbuf;

     sprintf(files.f_data, "%s.data", filename);
     sprintf(files.f_rsrc, "%s.rsrc", filename);
```

```
if (mode == FULL) {
     sprintf(files.f_info, "%s.info", filename);
     if (stat(files.f_info, &stbuf) != 0) {
          perror(files.f_info);
          cleanup(-1);
     }
     return;
}
else {
     strcpy(files.f_info, "#machdrXXXXXX");
     mktemp(files.f_info);
}

if (mode == RSRC) {
     strcpy(files.f_data, "/dev/null");
     if (stat(files.f_rsrc, &stbuf) != 0) {
          strcpy(files.f_rsrc, filename);
          if (stat(files.f_rsrc, &stbuf) != 0) {
               perror(files.f_rsrc);
               cleanup(-1);
          }
     }
     mh.m_datalen = 0;
     mh.m_rsrclen = stbuf.st_size;
}
else {
     strcpy(files.f_rsrc, "/dev/null");
     if (stat(files.f_data, &stbuf) != 0) {
          sprintf(files.f_data, "%s.text", filename);
          if (stat(files.f_data, &stbuf) != 0) {
               strcpy(files.f_data, filename);
               if (stat(files.f_data, &stbuf) != 0) {
                    perror(files.f_data);
                    cleanup(-1);
               }
          }
     }
     mh.m_datalen = stbuf.st_size;
     mh.m_rsrclen = 0;
}

if (!pre_beta) {
     ftime(&tbuf);
     tp = localtime(&tbuf.time);
     tdiff = TIMEDIFF - tbuf.timezone * 60;
     if (tp->tm_isdst)
          tdiff += 60 * 60;
     mh.m_createtime = stbuf.st_mtime + tdiff;
     mh.m_modifytime = stbuf.st_mtime + tdiff;
}

if (mh.m_name[0] == '\0') {
```

```
          n = strlen(filename);
          if (n > NAMEBYTES) n = NAMEBYTES;
          strncpy(mh.m_name, filename, n);
          mh.m_name[n] = '\0';
     }
}

forge_info()
{
     int n;
     char *np;
     FILE *fp;

     for (np = mh.m_name; *np; np++)
          if (*np == '_') *np = ' ';

     buf[H_NLENOFF] = n = np - mh.m_name;
     strncpy(buf + H_NAMEOFF, mh.m_name, n);
     strncpy(buf + H_TYPEOFF, mh.m_type, 4);
     strncpy(buf + H_AUTHOFF, mh.m_author, 4);
     if (pre_beta) {
          put4(buf + H_OLD_DLENOFF, mh.m_datalen);
          put4(buf + H_OLD_RLENOFF, mh.m_rsrclen);
     }
     else {
          put4(buf + H_DLENOFF, mh.m_datalen);
          put4(buf + H_RLENOFF, mh.m_rsrclen);
          put4(buf + H_CTIMOFF, mh.m_createtime);
          put4(buf + H_MTIMOFF, mh.m_modifytime);
     }
     fp = fopen(files.f_info, "w");
     if (fp == NULL) {
          perror("temp file");
          cleanup(-1);
     }
     fwrite(buf, 1, DATABYTES, fp);
     fclose(fp);
}

send_sync()
{
     int c, i;

     for (i = 0; i < 3; i++) {
          tputc(ESC);
          tputc('a');
          while ((c = tgetc(ACKTIMO)) != TMO) {
               switch (c) {
               case CAN:
               case EOT:
               case ACK:
                    return c;
               default:
```

```
                    continue;
               }
          }
          fprintf(stderr, "starting handshake timeout\r\n");
     }
     fprintf(stderr, "giving up\r\n");
     return CAN;
}

send_file(fname, more)
char *fname;
int more;
{
     register int status, i, n;
     FILE *inf;

     inf = fopen(fname, "r");
     if (inf == NULL) {
          perror(fname);
          cleanup(-1);
     }
     recno = 1;
     for (;;) {
          n = fread(buf, 1, DATABYTES, inf);
          if (n > 0) {
               for (i = 0; i < RETRIES; i++) {
                    send_rec(buf, DATABYTES);
                    status = tgetc(ACKTIMO);
                    if (status != NAK)
                         break;
               }
               if (status == NAK || status == CAN) {
                    fclose(inf);
                    cleanup(-1);
                    /* NOTREACHED */
               }
          }
          if (n < DATABYTES) {
               tputc(EOT);
               if (!pre_beta) {
                    status = tgetc(ACKTIMO);
               }
               if (more) {
                    status = tgetc(ACKTIMO);
               }
               return;
          }
          recno++;
          recno &= MAXRECNO;
     }
}

send_rec(buf, recsize)
```

```
char buf[];
int recsize;
{
     int i, cksum;
     char *bp;

     cksum = 0;
     bp = buf;
     for (i = 0; i < recsize; i++, bp++) {
          if (txtmode && *bp == '\n')
               *bp = '\r';
          cksum += *bp;
     }

     tputc(SOH);
     tputc((char)recno);
     tputc((char)(MAXRECNO - recno));
     tputrec(buf, recsize);
     tputc((char)cksum);
}

static int ttyfd;
static FILE *ttyf;
static jmp_buf timobuf;

tgetc(timeout)
int timeout;
{
     int c;

     if (setjmp(timobuf))
          return TMO;

     alarm(timeout);
     c = getc(ttyf);
     alarm(0);

     if (c == -1)  /* probably hung up or logged off */
          return EOT;
     else
          return c & BYTEMASK;
}

tputrec(buf, count)
char *buf;
int count;
{
     write(ttyfd, buf, count);
}

tputc(c)
char c;
{
```

```
     write(ttyfd, &c, 1);
}

timedout()
{
     signal(SIGALRM, timedout);  /* for pre-4.2 systems */
     longjmp(timobuf, 1);
}

static struct sgttyb otty, ntty;
/* should turn messages off */

setup_tty()
{
     int cleanup();
     int timedout();

     ttyf = stdin;
     ttyfd = fileno(stdin);
     ioctl(ttyfd, TIOCGETP, &otty);
     signal(SIGHUP, cleanup);
     signal(SIGINT, cleanup);
     signal(SIGQUIT, cleanup);
     signal(SIGTERM, cleanup);
     signal(SIGALRM, timedout);
     ntty = otty;
     ntty.sg_flags = RAW|ANYP;
     ioctl(ttyfd, TIOCSETP, &ntty);
}

reset_tty()
{
     if (ttyf != NULL) {
          sleep(2); /* should wait for output to drain */
          ioctl(ttyfd, TIOCSETP, &otty);
     }
}

cleanup(sig)
int sig;
{
     reset_tty();
     exit(sig);
}

put4(bp, value)
char *bp;
long value;
{
     register int i, c;

     for (i = 0; i < 4; i++) {
          c = (value >> 24) & BYTEMASK;
```

```
          value <<= 8;
          *bp++ = c;
     }
}
```

From -4707491042034962624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aa8720bbb419aa66,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-07 14:59:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oakhill.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!ut-sally!oakhill!
wilson
From: wilson@oakhill.UUCP (Billy Wilson)
Newsgroups: net.micro.apple
Subject: Apple][-> Z150 port question
Message-ID: <241@oakhill.UUCP>
Date: Wed, 7-Nov-84 17:59:29 EST
Article-I.D.: oakhill.241
Posted: Wed Nov 7 17:59:29 1984
Date-Received: Sat, 10-Nov-84 19:51:23 EST
Organization: Motorola Inc. Austin, Tx
Lines: 14

There is an augmentation of BASIC written for the Apple][by
Stan Smith, Paul Tenczar, and Allen Avner called EnBASIC.
There is a graphics package written for the Apple][called TGS.
(The Graphics System.) This is put out by Accent Software.

Are there any ports of either of these two items to the IBM PC?
Is there anything close to either of these for the PC? What
I actually want is something that runs on a Zenith 150, which
is almost an IBM PC. Thanks very much.

          -Billy Wilson-
     ..ihnp4!ut-sally!oakhill!wilson

From 6426107733151879758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,1b81cb9fa560c8ac,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,1b81cb9fa560c8ac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-07 15:28:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site plus5.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!ihnp4!plus5!max
From: max@plus5.UUCP (R. Max Mutrux)
Newsgroups: net.wanted,net.micro.apple
Subject: Macput/get vms

Message-ID: <514@plus5.UUCP>
Date: Wed, 7-Nov-84 18:28:24 EST
Article-I.D.: plus5.514
Posted: Wed Nov 7 18:28:24 1984
Date-Received: Thu, 8-Nov-84 19:35:27 EST
Distribution: net
Organization: Plus Five Computer Services, St. Louis
Lines: 10

[]

Does anyone have macput and macget for vms???
If so, Could you mail it to me or post it?

Thanks in advance

--
(char)Max_Mutrux ..ihnp4!plus5!max
Saint Louis, Mo.

From -6987692780492553180
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d3328a92805f5c05,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-08 05:27:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-ny1mm!craparotta
From: craparotta@ny1mm.DEC
Newsgroups: net.micro.apple
Subject: Color Mac??
Message-ID: <4161@decwrl.UUCP>
Date: Thu, 8-Nov-84 08:27:23 EST
Article-I.D.: decwrl.4161
Posted: Thu Nov 8 08:27:23 1984
Date-Received: Sat, 10-Nov-84 03:24:33 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 12

Does anyone know about the Color Mac. I heard that they were coming out
with one. If so please let me know as I'd rather hold off buying one till
then.

thanx

Joe Craparotta

From -1368896440163455586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97137a2c3edd703a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-08 21:11:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxr!mhuxv!mhuxt!mhuxm!sftig!sumit
From: sumit@sftig.UUCP (S.Bandyopadhyay)
Newsgroups: net.micro.apple
Subject: Re: Lets get rid of all the MAC CRAP
Message-ID: <472@sftig.UUCP>
Date: Fri, 9-Nov-84 00:11:24 EST
Article-I.D.: sftig.472
Posted: Fri Nov 9 00:11:24 1984
Date-Received: Sat, 10-Nov-84 07:42:39 EST
References: <606@loral.UUCP> <117@dadla.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 3

> Here's my vote! Macoff! -:)

Why doesn't these people create something like net.micro.obsolete? :-)

From -8464152650367534815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12f221,244c08c31f0af99,start
X-Google-Attributes: gid12f221,public
X-Google-Thread: 1622d3,244c08c31f0af99,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 00:47:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 8/7/84; site ucbvax.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!godot!mit-eddie!genrad!decvax!
decwrl!ucbvax!jsc
From: jsc@ucbvax.ARPA (James Steven Carrington)
Newsgroups: net.micro.apple,net.misc
Subject: Re: Is Newsweek carrying apple ads?
Message-ID: <3158@ucbvax.ARPA>
Date: Fri, 9-Nov-84 03:47:53 EST
Article-I.D.: ucbvax.3158
Posted: Fri Nov 9 03:47:53 1984
Date-Received: Sat, 10-Nov-84 06:52:31 EST
References: <5@vax2.fluke.UUCP>
Organization: Berzerkly
Lines: 11
Xref: godot net.micro.apple:1086 net.misc:1852

The issue that Apple "bought" is the special post-election issue, not
the regular week's issue. It is due out today (thursday the 8th) or

tomorrow.

--

James Steven Carrington
UC Berkeley
Undergraduate Computing Facility
jsc@berkeley.arpa
ucbvax!jsc

From -5811371037614516187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f591f84831663e1f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 04:56:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: RE: Termcap for Apple //e
Message-ID: <5670@brl-tgr.ARPA>
Date: Fri, 9-Nov-84 07:56:20 EST
Article-I.D.: brl-tgr.5670
Posted: Fri Nov 9 07:56:20 1984
Date-Received: Sat, 10-Nov-84 06:16:41 EST
References: <23600014@uiucuxc.UUCP>
Organization: Ballistic Research Lab
Lines: 7

> Does anyone have a termcap for an Apple //e dialup?
>
> I need it to be able to use 'vi' at home. Thanx!

If you mean, with a "dumb" serial interface using the built-in 80-column
firmware, forget it. I posted such a termcap entry here not long ago,
but due to the lack of a "real" CR function it is not very useful.

From -8305533352645073256
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8a263beed46930da,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 07:49:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!abnjh!nova
From: nova@abnjh.UUCP (Scott Allen)
Newsgroups: net.micro.apple
Subject: New Copy-Protection Breaker
Message-ID: <920@abnjh.UUCP>
Date: Fri, 9-Nov-84 10:49:39 EST

Article-I.D.: abnjh.920
Posted: Fri Nov 9 10:49:39 1984
Date-Received: Sat, 10-Nov-84 09:53:54 EST
Organization: AT&T Information Systems
Lines: 28

[When in doubt-Click the mouse]

I was in a local Apple dealer when a saleman friend of mine showed me a brochure for a new program called Mac-Smith. This program promised it could copy any disk--no matter what type of copy protection is used. They specificly say that it will copy MacPascal with no trouble. Suggested retail price is $59.95 but they are selling to retailers for $39.95.

Has anyone seen this program work? I'm assuming that this kind of program is legal but it must really tick off other vendors who try to copy-protect their software.

Any comments would be appreciated.

```
 \ | /
  \|/
---*---
  /|\
 / | \
 NOVA
```

Scott Allen
ATT-IS
Orlando, Florida
..!abnjh!nova

From 5982185575679476714
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9f38d9378d63ff00,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 17:23:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Request for help with ProDOS
Message-ID: <113@utcsrgv.UUCP>
Date: Thu, 18-Oct-84 20:23:55 EDT
Article-I.D.: utcsrgv.113
Posted: Thu Oct 18 20:23:55 1984
Date-Received: Thu, 18-Oct-84 20:56:00 EDT
Organization: CSRI, University of Toronto

Lines: 24

Well, my sources indicate (although I HAVE NOT VERIFIED IT)
that ProDOS goes & looks in Monitor ROM for the word
"APPLE][". If it does not find it, it fails to boot.
This rumor comes from a guy who works at a store that sells
apple]["clones", so I think it's pretty reliable.
Given this fact, the patch is pretty obvious; just check the ref.
manual for the address & find the reference to it in ProDOS.
I agree it it seems strange of Apple to protect their
software this way. It was my understanding that most of the
bad old clone makers had been run out of business. In that case,
would it not be reasonable of apple to try & make ProDos as
generally acceptable as possible? Even to those people who
had purchased those distasteful copies. Or was it just that they
couldn't resist the chance to punish the people that had bought
rip-off machines. [I don't begrudge people for buying the cheapest
product, but I think it is/was a pity that the clone-makers were
able to do as well as they did with such obviously unethical copies. I
think the legal system did not show itself very well on this one.]
BTW, I had heard earlier that ProDOS looked at the disk controller.
Maybe it checks both for authenticity.
Greg Dudek
--
Gregory Dudek
{cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -2490509999486802439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,b632d7c3573e6685,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,b632d7c3573e6685,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 06:24:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site savax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!sii!savax!behr
From: behr@savax.UUCP
Newsgroups: net.micro.apple,net.micro.68k
Subject: LISA problems
Message-ID: <200@savax.UUCP>
Date: Fri, 19-Oct-84 09:24:59 EDT
Article-I.D.: savax.200
Posted: Fri Oct 19 09:24:59 1984
Date-Received: Sun, 21-Oct-84 14:23:36 EDT
Organization: Sanders Assoc. Inc.
Lines: 19
Xref: 1383 434

Subject: LISA problems
Newsgroups: net.micro.apple

Is there anyone else out there that is using a 2/10 LISA with the 7/7 operating system? If you are are you having any problems with it? I am currently using the forementioned machine to write some documents and beleive that I have found a bug in the operating system. When we do some editing on large (300 pages) documents, the machine will crash after 4 or 5 edits. Sometimes it gives an error number which our tech-rep says means a memory error. She replaced our memory for us, but it does not help. I beleive that the problem is the the cut and paste buffer starts to overwrite the operating system in high memory and the machine can't continue.

If you are having this problem, please let me know.

Marc Behr :-(

ctvax!convex!uiucdcs!pur-ee!decvax!ittvax!sii!savax!behr

From -3529138201601371315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b817e6cfaaa8f281,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 09:01:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcc6!loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro.apple
Subject: Diagnostic disks for the Apple //e ?
Message-ID: <568@loral.UUCP>
Date: Fri, 19-Oct-84 12:01:41 EDT
Article-I.D.: loral.568
Posted: Fri Oct 19 12:01:41 1984
Date-Received: Sun, 21-Oct-84 14:22:56 EDT
Lines: 8

Can anyone point me in the direction to find diagnostic disks for the Apple //e ? I know they exist commercially for the][/][+. Or are the only such diagnostics the ones Computerland is privileged to have ?

Any help would be appreciated. I would be glad to summarize so please mail to me. Thank you.

From 4851405473802696934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9d99e1d412e4901
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 10:20:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!henry

From: henry@utzoo.UUCP (Henry Spencer)
Newsgroups: net.micro.apple
Subject: Re: Re. Advice needed on Aztec C: DOS 3.3 code quality.
Message-ID: <4505@utzoo.UUCP>
Date: Fri, 19-Oct-84 13:20:35 EDT
Article-I.D.: utzoo.4505
Posted: Fri Oct 19 13:20:35 1984
Date-Received: Fri, 19-Oct-84 13:20:35 EDT
References: <459@ittral.UUCP>, <111@utcsrgv.UUCP>
Organization: U of Toronto Zoology
Lines: 19

> ... all arithmetic operations are performed
> in 16 bits, even if the operands are characters....
> ...
> ...[in function calls, the compiler] insists on putting 2 bytes
> on the stack per operand, no matter what.   ...

Technically, it is impossible to change either of these characteristics
without violating the semantics of K&R C. So the authors have a (not
trivial) excuse for doing it this way. It would probably have been nice
if they'd provided an option to avoid this; some C compilers for micros
supply such an option.

The new draft ANSI C standard contains some careful wording to the effect
that compilers are entitled to do such optimization if the results are
certain to be identical to the unoptimized version. This was arguably
true of the K&R definition too, but now it's explicit.
--
Henry Spencer @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!henry

From 3249379899089341101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8e2f2dc4c4b48173,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 11:09:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!decwrl!amd!
dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Availability of SumacC
Message-ID: <69@vectron.UUCP>
Date: Fri, 19-Oct-84 14:09:48 EDT
Article-I.D.: vectron.69
Posted: Fri Oct 19 14:09:48 1984
Date-Received: Sun, 21-Oct-84 14:55:12 EDT
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 8

Release notes for SumacC were posted on USENET a month or so ago. (Please don't ask me for a copy because I only have it in hard copy.) According to the notes, SumacC is still in beta release and is available only over the ARPA net. The notes specifically say that the folks at Stanford are not equipped to duplicate tapes and disks. Sorry about that...

Kent Johnson
ucbvax!vectron!ksj

From -6070257147021613389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,89c4d26900b24f35,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 11:13:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!decwrl!amd!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Info on CoreEdit?
Message-ID: <70@vectron.UUCP>
Date: Fri, 19-Oct-84 14:13:43 EDT
Article-I.D.: vectron.70
Posted: Fri Oct 19 14:13:43 1984
Date-Received: Sun, 21-Oct-84 14:55:28 EDT
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 9

I would like information on the Corit package for Mac. This is the "advanced" text editing package, with more features than TextEdit. There are several references to it in Inside Mac, indicating that it is not part of the ROM but rather takes up part of the application's memory space.

So where does CoreEdit live? Where is it documented? Any info or pointers appreciated.

--Kent Johnson
ucbvax!dual!vectron!ksj

From -7029549540823515705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,24926931186c49f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 12:59:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!alberta!sask!custead
From: custead@sask.UUCP (Der cuss)
Newsgroups: net.micro.apple
Subject: Summary of Responses: MAC wrist watch cursor
Message-ID: <127@sask.UUCP>
Date: Fri, 19-Oct-84 15:59:31 EDT
Article-I.D.: sask.127

Posted: Fri Oct 19 15:59:31 1984
Date-Received: Sun, 21-Oct-84 12:17:30 EDT
Organization: U of Saskatchewan, Canada
Lines: 18

I recently posted a query asking for the bit pattern of the
wrist watch cursor to use in a MAC program. The responses
were helpful, so here is what I learned.

Several people pointed out that there is a wrist watch character
in the Cairo font. This was a good suggestion, as it had not
occurred to me to look there.

Several others said that this cursor is available as a system resource,
although they did not know the resource ID. This is exactly what
I needed...the ID # is 4.
I used GetCursor(4) and obtained what I wanted.
(There are cursors defined for 1, 2, and 3 as well.)

Thanks to all who responded!

L. R. Custead
Univ of Saskatchewan

From -7707198402803026818
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1860f967880e23fd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 13:15:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!uw-
june!furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Did Apple announce anything for the Mac?
Message-ID: <1893@uw-june>
Date: Fri, 19-Oct-84 16:15:59 EDT
Article-I.D.: uw-june.1893
Posted: Fri Oct 19 16:15:59 1984
Date-Received: Sun, 21-Oct-84 14:16:40 EDT
Organization: U of Washington Computer Science
Lines: 4

Talk here last week was that a major announcement was expected from Apple at
the beginning of this week. Was anything announced? What?

--Rick

From 7691949023141166815
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,22da6742902e0850
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-19 15:41:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: 65C02 Conversion?
Message-ID: <5402@brl-tgr.ARPA>
Date: Fri, 19-Oct-84 18:41:14 EDT
Article-I.D.: brl-tgr.5402
Posted: Fri Oct 19 18:41:14 1984
Date-Received: Sat, 20-Oct-84 07:36:52 EDT
References: <4500005@uok.UUCP>
Organization: Ballistic Research Lab
Lines: 12

>   I recently heard that the 65C02 was pin compatible with the 6502, and
> that anyone with an Apple II,II+,or IIe can simply remove the 6502 from their
> machine and replace it with the 65C02 and be able to use the new commands and
> addressing modes. Has anyone ever tried this? Will it work?

Except for some really gross dependencies on misfeatures of the old 6502,
existing code should work just fine using the 65C02. I did this switch
on my Apple //e a long time ago and have had no problems with it.

However, unless you are going to use the new instructions there is very
little reason to switch. If you DO use the new instructions then your
code will not port to any machine except the Apple //c.

From -3669117150809234296
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,738d381cec53961,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-20 04:00:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site sgs.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!linus!
philabs!cmcl2!seismo!mcvax!sgs!root
From: root@sgs.UUCP (Lucio D'Amico)
Newsgroups: net.micro.apple
Subject: Interfaces between McIntosh and Unix
Message-ID: <12@sgs.UUCP>
Date: Sat, 20-Oct-84 07:00:13 EDT
Article-I.D.: sgs.12
Posted: Sat Oct 20 07:00:13 1984
Date-Received: Mon, 22-Oct-84 07:05:02 EDT
Organization: SGS Technology and Service, Agrate Italy
Lines: 3

I would like to use McIntosh as a smart terminal for Unix.

Does this kind of software exists actually?

From -6185613549850382812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9cad211adeb6198,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-20 21:17:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!psuvax1!burdvax!sjuvax!jss
From: jss@sjuvax.UUCP (Jonathan Shapiro)
Newsgroups: net.micro.apple
Subject: Apology and correction
Message-ID: <571@sjuvax.UUCP>
Date: Sun, 21-Oct-84 00:17:40 EDT
Article-I.D.: sjuvax.571
Posted: Sun Oct 21 00:17:40 1984
Date-Received: Sun, 21-Oct-84 15:49:09 EDT
Distribution: net
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 12

[Aren't you hungry....?]

I need to apologize. A few weeks ago I shot my mouth off and said that the 512K Mac could be had for about $256. I was of course wrong, in that I counted 8 chips rather than 16. The correct figure for the chips - (I just checked) is $529.60. This assumes quantity 16k purchased from a small manufacturer I know.

Sorry for the misinformation.

Jon Shapiro
Haverford College.

From 4690380501964635174
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,efa71a0594f93b9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-20 21:49:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!alberta!sask!custead
From: custead@sask.UUCP (Der cuss)
Newsgroups: net.micro.apple
Subject: Mac Wrist Watch Cursor
Message-ID: <121@sask.UUCP>
Date: Sun, 21-Oct-84 00:49:06 EDT
Article-I.D.: sask.121
Posted: Sun Oct 21 00:49:06 1984

Date-Received: Tue, 16-Oct-84 05:30:07 EDT
Organization: U of Saskatchewan, Canada
Lines: 23

When the Mac is busy doing something time-consuming, it puts up
a wrist-watch cursor. I would like to use this cursor, but have
not been able to capture it by a screen snap-shot, because the
snapshot event is queued until after the reason for the watch
has gone away. (Not surprising). Although it does not seem
to difficult to design this thing, can anyone save me the trouble
by sending me the bit pattern for this cursor?
(Striving for consistency, I would like my cursor to be exactly
the same as other software is using. If I guess, this probably
won't happen.)

A different question: How does one get updates/supplements to the
Inside Macintosh documentation. We bought Inside MAC a few months
ago; today my program needed to know the time. I found reference
to a routine GetTime in one of the programs that has been distributed
on the net, but could find no mention of this anywhere in Inside
Macintosh. Or any other description to time, clock, etc?
There must be updated documentation coming out of Apple. How
does one keep up?

L. R. Custead
Dept of Silly Walks
Univ of Saskatchewan

From 1640656451029340360
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,72c59d730b2c720b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-20 22:36:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: Apple rumors:will Apple drop Lisa?
Message-ID: <861@ihuxn.UUCP>
Date: Sun, 21-Oct-84 01:36:07 EDT
Article-I.D.: ihuxn.861
Posted: Sun Oct 21 01:36:07 1984
Date-Received: Mon, 22-Oct-84 01:57:24 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 44

According to the latest issue of Macworld (November, 1984) Apple is
leasing two additional buildings that will, among other things, handle
the "manufacture of an as-yet unannounced product." Clue One.

This weeks's edition of Computer & Software News, a retailer's publication, claims that, in January, Apple is planning to introduce a Mac with more inside space for an internal hard disk *like the Lisa 2/10* and possibly a second internal drive or something along those lines. Clue two.

What are these clues leading to? It is only a rumor - but some believe that Apple is trying to expand the stretch of the Mac product line and drop the Lisa series, for which little new software is being written. The new machine will (would?) standardize the Apple-32 product line. One of the problems with the Lisa is that the pixel-size is different, which distorts Mac graphics under MacWorks. Yes, the Lisa is a very powerful machine, but it would have the best of both worlds as a super-fat Mac.

If this is indeed true, how do present Lisa owners feel about this? They certainly put down the chips for their machine, and will Apple leave them in the lurch by dropping the machine from its product line?

Another thing: When Apple finally introduces its 800K double-sided drives,

(1) Will the 800K drives accept 400K disks?
(2) Will the 400K drives at least accept 1 side of an 800K disk?
(3) Will the Finder treat the front and back as a single entity or as two separate disks?

To wrap it up, a few-month-old issue of Byte (Macworld would never print something like this until much later in the game) said that Apple is working on a color Mac for spring, 1986. Problems to overcome are (a)cost (b)high temperature of color tube and (c)fixing these problems without sacrificing resolution.

*** In the never-ending search for more Apple-Ications...

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From 783995115879577302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c1a71ed1a5caa3b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-21 06:39:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxp!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Mac: Aztec 'C' Resource Compiler needed
Message-ID: <454@aluxe.UUCP>

Date: Sun, 21-Oct-84 09:39:47 EDT
Article-I.D.: aluxe.454
Posted: Sun Oct 21 09:39:47 1984
Date-Received: Mon, 22-Oct-84 01:57:56 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 12

Does anyone have a Resource Compiler for the Mac running under Aztec 'C'?
Without one, how does one create Alert/Dialog Resources?

Thanks..

Lonnie Abelbeck
AT&T Bell Laboratores
mhuxi!aluxe!lra

From 4543711953238913145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,bb571b72e8fa8e43,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,bb571b72e8fa8e43,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-21 13:45:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 Fluke 8/7/84; site fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro.apple,net.wanted
Subject: To Mac or To Lisa (that is the question) (i.e. request for opinions)
Message-ID: <1484@vax2.fluke.UUCP>
Date: Sun, 21-Oct-84 16:45:17 EDT
Article-I.D.: vax2.1484
Posted: Sun Oct 21 16:45:17 1984
Date-Received: Tue, 23-Oct-84 02:20:36 EDT
Distribution: net
Organization: John Fluke Mfg. Co., Everett, WA
Lines: 49

I am in the process of deciding between purchasing a Lisa or a Mac, and have several questions which the salesmen have been unable/unwilling to answer. Please MAIL any answers to me; I am just starting to read this newsgroup (we haven't got fa.info-mac or net.micro.apple.mac here yet), and I realize that these questions have probably come up before. I'll be happy to forward the answers I get to anyone who asks.

1) On the Mac (and, I assume, with the Fat Mac), the amount of information one can write with MacWrite is dependent on the amount of

memory. Is the same true of LisaWrite, or does it have some system for swapping text off and onto the disk? Will MacWrite soon have some type of virtual memory system?

2) I've heard rumors that the Lisa Operating system cannot access the new Lisa 2/10's hard disk. True of false?

3) Are there any significant differences between the capabilities of MacWrite and LisaWrite, and MacPaint and LisaPaint (and LisaDraw)?

4) Any opinions on the other facilities (especially the LisaTalk modem system) of the Lisa Office software would be appreciated.

5) Does anyone know whether the Lisa software will have a new revision in the near future?

6) Given the following priorities (pretend like money is *hardly* any object), which would you choose, the fat Mac or the Lisa?

    1) Word processing with fancy fonts.

    2) Drawing and art programs.

    3) Being able to combine the two (i.e. letterheads w/art, etc.)

    4) Virtual terminal capability.

    5) Some sort of home use database system.

Programming with either does not seem to be a consideration at this time.

Thanks in advance for any help -- it is appreciated!

                        Moriarty, aka Jeff Meyer
                        John Fluke Mfg. Co., Inc.
UUCP:
 {cornell,decvax,ihnp4,sdcsvax,tektronix,utcsrgv}!uw-beaver \
    {allegra,gatech!sb1,hplabs!lbl-csam,decwrl!sun,ssc-vax} -- !fluke!moriarty
ARPA:
    fluke!moriarty@uw-beaver.ARPA

From 6451805245552386776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4324ba3fc0d71333
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-22 07:11:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!jgw
From: jgw@rabbit.UUCP (Jay G. Wilpon)
Newsgroups: net.micro.apple
Subject: Re: 2nd disk for Fat Mac (opinions sought)

Message-ID: <3258@rabbit.UUCP>
Date: Mon, 22-Oct-84 10:11:54 EDT
Article-I.D.: rabbit.3258
Posted: Mon Oct 22 10:11:54 1984
Date-Received: Tue, 23-Oct-84 02:01:34 EDT
References: <1891@uw-june>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 5

One question, can you buy a second disc drive for the MAC. That is,
does APPLE sell one or do you have to buy from another company???

From 7522098355825121289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c2e61b1295beacb3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-22 09:05:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Just when you thought it was safe...
Message-ID: <249@ssc-bee.UUCP>
Date: Mon, 22-Oct-84 12:05:13 EDT
Article-I.D.: ssc-bee.249
Posted: Mon Oct 22 12:05:13 1984
Date-Received: Wed, 24-Oct-84 02:16:15 EDT
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 31

    Just when you may have thought it was safe to purchase a
    512k Mac and not have to worry about future upgrades comes
    this disturbing aside in the October Dtack Newsletter:

    "... the genuine Fat Mack, which was (and still is?)
    scheduled for production early in 1985 was to have had
    a logic board redesign to quadruple the data rate of
    its serial port, for instance. Introduction of the
    'Plump Mack' this early reeks of a desparation move to
    placate frustrated software designers.

    Incidentally, going from 128k to 512k is a 384k upgrade
    regardless of what prevaricators may say."

    I must include the following subscription notice for
    permission to reprint the above:

    "SUBSCRIPTIONS: ...$15 for 10 issues in the U.S. and

Canada (U.S. funds), or $25 for 10 issues elsewhere.
Make the check payable to DTACK GROUNDED. The
address is:

DTACK GROUNDED
1415 E. McFadden, Ste. F
SANTA ANA, CA 92705"

--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From 1843947699916439458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f3150c274cb2869d
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,f3150c274cb2869d
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-10-22 11:09:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!henry
From: henry@utzoo.UUCP (Henry Spencer)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Cleaning circuit boards: Summary
Message-ID: <4513@utzoo.UUCP>
Date: Mon, 22-Oct-84 14:09:14 EDT
Article-I.D.: utzoo.4513
Posted: Mon Oct 22 14:09:14 1984
Date-Received: Mon, 22-Oct-84 14:09:14 EDT
References: <247@ssc-bee.UUCP>
Organization: U of Toronto Zoology
Lines: 11

> This may sound a bit odd, but when I was in the military we cleaned boards
> with plug-in chips & everything else in place in SOAP & WATER! Has little or
> no effect on most things & works well, particularly if used in an ultrasonic
> bath. You do have to let it dry thoroughly, though. No "close enough for
> government work" attitiude will do.

Beware; military hardware tends to use components with much better
hermetic sealing than "commercial" grade ICs and such.
--
Henry Spencer @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!henry

From 6949808917536151047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5fba081881acf6c4,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-22 12:35:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!uiucdcs!uok!
jsmcginn
From: jsmcginn@uok.UUCP
Newsgroups: net.micro.apple
Subject: Lisa 2 ?!?
Message-ID: <4500008@uok.UUCP>
Date: Mon, 22-Oct-84 15:35:00 EDT
Article-I.D.: uok.4500008
Posted: Mon Oct 22 15:35:00 1984
Date-Received: Thu, 25-Oct-84 03:14:15 EDT
Lines: 8
Nf-ID: #N:uok:4500008:000:256
Nf-From: uok!jsmcginn   Oct 22 14:35:00 1984

I was really surprised the other day when I walk into a local
computer store and saw a Lisa 2. I was surprised because I totally
missed it's announcement. When did Apple announce it? Did they make
any major changes in it besides the disk drive??

              j

From -6932999835537245405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc136946831b156,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-22 14:31:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site reed.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!tektronix!ogcvax!
metheus!teneron!reed!kubic
From: kubic@reed.UUCP (Kubic)
Newsgroups: net.micro.apple
Subject: Cheap Upgrades
Message-ID: <620@reed.UUCP>
Date: Mon, 22-Oct-84 16:31:29 EST
Article-I.D.: reed.620
Posted: Mon Oct 22 16:31:29 1984
Date-Received: Sun, 28-Oct-84 06:34:48 EST
Organization: Reed College, Portland, Oregon
Lines: 5

Just another thing for the net to dwell on: I have been given to
understand that user group "A.P.P.L.E." has made available a how-to
manual for the "technically inclinded" to do a home upgrading job
for their Macs. I don't know how this would effect their warranties.
If people are really dying for this info I will try to get some more.

From 7670009509743306463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5712311a1b9829a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-22 19:12:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cbdkc1.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!twitch!hocad!houxm!ihnp4!cbosgd!cbdkc1!
fran
From: fran@cbdkc1.UUCP (Frank Webb)
Newsgroups: net.micro.apple
Subject: need terminfo for smarterm][
Message-ID: <768@cbdkc1.UUCP>
Date: Mon, 22-Oct-84 22:12:10 EDT
Article-I.D.: cbdkc1.768
Posted: Mon Oct 22 22:12:10 1984
Date-Received: Wed, 24-Oct-84 04:13:01 EDT
Distribution: na
Organization: AT&T Bell Laboratories, Columbus
Lines: 11

< take that, green dragon>
Does anyone have a terminfo entry for a Smarterm][80 column card? I
have been having trouble running it at 1200 baud against AE Pro, and
in addition have found that my Multiplan and VC/80 expanders do not
have this new version of the ALS Smarterm defined. A bummer!

Any help at all would be welcome, both for the terminal emulation and
for the VC and Multiplan,

Frank Webb <cbdkc1!fran>
Bell 614-860-3587

From -947010610981120121
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76c721d67a584029,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-23 00:18:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!uw-
june!furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Request for Info about Modula 2
Message-ID: <1901@uw-june>
Date: Tue, 23-Oct-84 03:18:11 EDT
Article-I.D.: uw-june.1901
Posted: Tue Oct 23 03:18:11 1984
Date-Received: Wed, 24-Oct-84 03:58:45 EDT
Organization: U of Washington Computer Science
Lines: 12

Modula Corporation was supposed to have shipped their Macintosh Modula 2 a couple of weeks ago. I've seen no comment on it. Did they ship it? Does anyone have a review?

Thanks.

--Rick

...decvax!uw-beaver!uw-june!furuta (uucp)
...ihnp4!uw-beaver!uw-june!furuta
or
Furuta@Washington (ARPAnet)

From -6037333085550854051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,89c4d26900b24f35
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-23 06:33:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-univax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-univax!cam2
From: cam2@ur-univax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Info on CoreEdit?
Message-ID: <5400006@ur-univax.UUCP>
Date: Tue, 23-Oct-84 09:33:00 EDT
Article-I.D.: ur-univa.5400006
Posted: Tue Oct 23 09:33:00 1984
Date-Received: Wed, 24-Oct-84 07:46:59 EDT
References: <70@vectron.UUCP>
Organization: University of Rochester: Computing Center
Lines: 4
Nf-ID: #R:vectron:-7000:ur-univax:5400006:000:168
Nf-From: ur-univax!cam2   Oct 23 09:33:00 1984

Core Edit is a package described in the very early Inside Macintosh manuals.
Since then, Apple has decided to eliminate it.
Craig McGowan
...rochester!ur-univax!cam2

From 7332970976860172257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbf5e33b534b753c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-23 08:46:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxp!aluxe!mhuxi!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple

Subject: Koala Pad for IIe problems
Message-ID: <468@sftig.UUCP>
Date: Tue, 23-Oct-84 11:46:06 EDT
Article-I.D.: sftig.468
Posted: Tue Oct 23 11:46:06 1984
Date-Received: Wed, 24-Oct-84 19:07:45 EDT
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 9

Has anyone else noticed that the Koala pad for the IIe/IIc seems to develop
glitches when you move the stylus too fast (where 'too fast' is defined as as
fast as you would move a pencil point while doing careful hand printing.)
It skips over the area in between the end-points of a line.

Is this because the Apple is not sampling the outputs fast enough? or what?

Rick Thomas
ihnp4!btlunix!rbt

From 2324058372110878374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,69f4d3dc7d84aa00,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-23 09:50:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 8/9/84; site apollo.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!zehntel!dual!amd!decwrl!
decvax!wivax!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Advice needed on Aztec C..., portablity, devices
Message-ID: <2287bb5b.8e4@apollo.uucp>
Date: Tue, 23-Oct-84 12:50:58 EDT
Article-I.D.: apollo.2287bb5b.8e4
Posted: Tue Oct 23 12:50:58 1984
Date-Received: Fri, 26-Oct-84 08:43:24 EDT
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 38

<swat>

Re: Character arithmetic done in 16 bits.

    Someone can correct me if I'm wrong. But it is my impression
    that the specification of C states that characters will always
    be converted to integers when used in expressions. Which
    is annoying on an 8 bit machine, but standard none-the-less.

My main complaint about Aztec C is from a portability standpoint.
The compiler speed I can cope with (particularly since I started
using my spare 64K as a ram disk), and the execution time is
reasonable, but there are major problems with the I/O other than

just speed; as follows:

Aztec C does not buffer it's keyboard input. When you're UNIX C
program says "read(0, buffer, bufcnt)" it expects that someone
will have done erase and kill processing first. Not so in Aztec
C. The only C routine that does processing is "gets()". I don't
know about you, but that certainly is not the routine I generally use
when doing UNIX I/O. Furthermore, it's buffering does not appeared
to be the same as the processing done by the shell. The shell
looks at the device specification to get the erase and kill characters.
I don't think "gets()" does.

So here goes my question:
    Has anyone implemented a new set of I/O routines that DO do buffered
input?

And, while I'm at it:
    Does anyone have a serial driver (or ANY driver) that works with
the CPS Multifunction Card? (preferably one that accesses the chip directly,
my batteries keep running down (or else someone is clobbering the state)
so that the default speeds are never right; but anything will do).

                                        Thanks,
                                            Kee Hinckley
                                    ...decvax!wivax!apollo!nazgul

From -2432113487354309130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22da6742902e0850
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-23 10:13:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!umcp-cs!preuss
From: preuss@umcp-cs.UUCP (Don Preuss)
Newsgroups: net.micro.apple
Subject: Re: 65C02 Conversion?
Message-ID: <421@umcp-cs.UUCP>
Date: Tue, 23-Oct-84 13:13:15 EDT
Article-I.D.: umcp-cs.421
Posted: Tue Oct 23 13:13:15 1984
Date-Received: Wed, 24-Oct-84 19:02:57 EDT
Distribution: net
Organization: U of Maryland, Computer Science Dept., College Park, MD
Lines: 20

[]
Code-wise, most stuff should work with the CMOS processor. However, you will
not be able to install this in a II+. The reason is that the CMOS unit
is clocked for 4 meg, and the slowest available version still runs at
2 meg. Apple themselves had to modify the bus timing on the IIe to handle
the 6502A, because the data windows were already gone by the time the bus

tried to accept valid data (hence, the inability to run very time-picky
Spiro-disk protected software). As far as I know, there is no version of
the II+ (or the 65C02) which is compatible.
         -Dave Hsu
         Bitnet: DAVIDHSU @ UMDA
----
end forwarded message

--
         Uucp: ...!harpo!seismo!umcp-cs!preuss
         CsNet: preuss.umcp-cs@csnet-relay
         301-496-2265

From -6035585211315598917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a7aa62aae54e429e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 159752,a7aa62aae54e429e,start
X-Google-Attributes: gid159752,public
X-Google-ArrivalTime: 1984-10-23 13:09:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!daemon
From: daemon@decwrl.UUCP (The devil himself)
Newsgroups: net.micro.apple,net.sources
Subject: FROMHEX.BAS
Message-ID: <3987@decwrl.UUCP>
Date: Tue, 23-Oct-84 16:09:15 EDT
Article-I.D.: decwrl.3987
Posted: Tue Oct 23 16:09:15 1984
Date-Received: Wed, 24-Oct-84 08:17:11 EDT
Organization: DEC Engineering Network
Lines: 24

FROMHEX.BAS____

     Could somebody send FROMHEX.BAS - a program for the MacIntosh - to me
or to the net? 'Twould be much appreciated.
         <_Jym_>

:::::::::::::::: Jym Dyer
::::' :: `:::: Dracut, Massachusetts
::'   ::   `::
::   ::   :: DYER%VAXUUM.DEC@DECWRL.ARPA
::   .::::.   :: {allegra|decvax|ihnp4|ucbvax}!decwrl!dec-rhea!dec-vaxuum!dyer
::..:' :: `:..::
::::. :: .:::: Statements made in this article are my own; they might not
:::::::::::::::: reflect the views of |d|i|g|i|t|a|l| Equipment Corporation.

P.S.: Since there are self-appointed traffic cops who take it upon themselves

to send out form letters - adding to net traffic - to people who post requests
in net.sources, I offer the following VMS command procedure:

```
$ X := if 1 then X
$ X
```

Have a Nice Day,
<_Jym_>

```
From 4073025201400628426
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a16bb2b3be418ac6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-24 12:21:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Terminfo for Mac/Lisa
Message-ID: <285@mb2c.UUCP>
Date: Wed, 24-Oct-84 15:21:51 EDT
Article-I.D.: mb2c.285
Posted: Wed Oct 24 15:21:51 1984
Date-Received: Thu, 25-Oct-84 04:08:02 EDT
Lines: 52

# # --------------------------------
#    @(#)apple.ti  1.1  (MBT LOCAL)
#
# apple: Apple Computer Corporation
#
# The majority of this entry is stolen from the dec.ti released entry
# (v1.2).  These entries assume that the 'Auto Wraparound' is enabled as
# this seems to be the only sane way to use UNIX on these machines.
# Xon-Xoff flow control should also be enabled.
#
# The correct way to handle xenl is when
# you output the char in column 80, immediately output CR LF
# and then assume you are in column 1 of the next line.  Xenl must be on
# since, am is on.
#
# The vt100 uses rs2 and rf rather than is2/tbc/hts because the tab settings
# are in non-volatile memory and don't need to be reset upon login.
# Also setting the number of columns glitches the screen annoyingly.
# You can type "reset" to get them set.
#
# Since LisaTerm is dumber than MacTerminal, it comes first
lisa|lisaterm|Apple Lisa or Lisa/2 running LisaTerm,
     cr=^M, cud1=^J, ind=^J, bel=^G, cols#80, lines#24, it#8,
     clear=\E[H\E[2J, cub1=^H, am, cup=\E[%i%p1%d;%p2%dH,
     cuf1=\E[C, cuu1=\E[A, el=\E[K, ed=\E[J,
     cud=\E[%p1%dB, cuu=\E[%p1%dA, cub=\E[%p1%dD, cuf=\E[%p1%dC,
```

```
     smso=\E[7m, rmso=\E[m, smul=\E[4m, rmul=\E[m,
     bold=\E[1m, rev=\E[7m, blink=\E[5m, sgr0=\E[m,
     sgr=\E[%?%p1%t;7%;%?%p2%t;4%;%?%p3%t;7%;%?%p4%t;5%;%?%p6%t;1%;m,
     rs2=\E>\E[?3l\E[?4l\E[?5l\E[?7h\E[?8h, smkx=\E[?1h\E=, rmkx=\E[?1l\E>,
     tbc=\E[3g, hts=\EH, home=\E[H,
     kcuu1=\EOA, kcud1=\EOB, kcuf1=\EOC, kcub1=\EOD, kbs=^H,
     kf1=\EOP, kf2=\EOQ, kf3=\EOR, kf4=\EOS, ht=^I, ri=\EM,
     vt#3, xenl, xon, sc=\E7, rc=\E8, csr=\E[%i%p1%d;%p2%dr,
# Lisaterm in 132 column ("wide") mode.
lisa-w|lisaterm-w|Apple Lisa with Lisaterm in 132 column mode,
     cols#132, rs2=\E>\E[?3h\E[?4l\E[?5l\E[?8h, use=lisa,
#
# Apple Macintosh
#
# Although MacTerminal has insert/delete line, it is not mentioned here
# since it is much faster and cleaner to use the "lock scrolling region"
# method of inserting and deleting lines due to the MacTerminal implementation.
# Also, the "Insert/delete ch" strings have an extra character appended to them
# due to a bug in MacTerminal V1.1.  Blink is disabled since it is not
# supported by MacTerminal.
#
mac|macintosh|Apple Macintosh running MacTerminal,
     blink@, dch1=\E[P\200, ich1=\E[@\200, use=lisa,
# Lisaterm in 132 column ("wide") mode.
mac-w|macterminal-w|Apple Macintosh with Macterminal in 132 column mode,
     cols#132, rs2=\E>\E[?3h\E[?4l\E[?5l\E[?8h, use=mac,
```

```
From -2277628655194456203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c00ac317abf115ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-24 16:51:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: fromhex.bas for Mac please
Message-ID: <286@mb2c.UUCP>
Date: Wed, 24-Oct-84 19:51:29 EDT
Article-I.D.: mb2c.286
Posted: Wed Oct 24 19:51:29 1984
Date-Received: Thu, 25-Oct-84 04:15:37 EDT
Lines: 7


I also need a copy of the fromhex.bas program for the Macintosh.
Could someone who has access please mail it or re-post to net.sources?

Thanks in advance.

John E. Duncan  (mb2c!jed)  Michigan Bell      (313) 424-1653
```

From 4045789574855962010
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3a142d0da22edd49,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-24 16:57:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 8/9/84; site apollo.uucp
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!wivax!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Need help with VI (Chapter 2)
Message-ID: <228e0ace.8e4@apollo.uucp>
Date: Wed, 24-Oct-84 18:57:56 EST
Article-I.D.: apollo.228e0ace.8e4
Posted: Wed Oct 24 18:57:56 1984
Date-Received: Sun, 28-Oct-84 04:39:31 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 22

<swat>

If your problem is that VI doesn't use the top half of the screen
or top two-thirds) then I would guess that the problem is actually
a feature of VI. What happens if VI looks at your baud rate and
says, "You poor soul, you're only running at 300 (1200) baud. Rather
than make you sit and watch as I redraw the screen everytime you
do anything, I'll make like easier for you and only use 2/3ds (half)
of it."

If that is your problem, the fix (if you want it) is to add a line
to your .exrc (or EXRC variable in the Cshell).

        set wi<[ndow]=24

And there you go.

On the other hand, if this doesn't sound like your problem...
...I haven't the slightest idea what you should do.

                                -kee
                        ...decvax!wivax!apollo!nazgul

From -1653521559355740514
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c1a71ed1a5caa3b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 01:41:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)

Newsgroups: net.micro.apple
Subject: Re: Mac: Aztec 'C' Resource Compiler needed
Message-ID: <239@sara70.UUCP>
Date: Thu, 25-Oct-84 04:41:58 EDT
Article-I.D.: sara70.239
Posted: Thu Oct 25 04:41:58 1984
Date-Received: Sat, 27-Oct-84 06:27:58 EDT
References: <454@aluxe.UUCP>
Organization: SARA, Amsterdam, The Netherlands
Lines: 12

In BYTE october 1984 page 16 there is an advertisement of MANX's
Aztec C offering among other things a Resource Editor.
Isn't this true?? Or can't it be used to create new resource files??

I'd like to hear more about Aztec C anyway. Is it useable
as a development system (instead of a LISA for example)??
Is it possible to use *all* the routines described in the
Inside Macintosh documentation?

Thanks in advance!
Rick Jansen
   {seismo,philabs,decvax}!mcvax!sara70!rick

From 8310366872710837756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76c721d67a584029
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 08:33:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!unm-cvax!cs4911ay
From: cs4911ay@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Request for Info about Modula 2
Message-ID: <51@unm-cvax.UUCP>
Date: Thu, 25-Oct-84 11:33:17 EDT
Article-I.D.: unm-cvax.51
Posted: Thu Oct 25 11:33:17 1984
Date-Received: Sat, 27-Oct-84 06:07:02 EDT
References: <1901@uw-june>
Organization: Univ. of New Mexico, Albuquerque
Lines: 13

[It is pitch black. You are likely to be eaten by a --]

     Modula Corp. is holding back on release pending repair of a few
bugs (this, at least, is what they told me). You can, however, get a
beta-test version. Call 1-800-LILITH2 (i.e., 1-800-545-4842) for info.
--

Mike Conley
U.N.M., Albuquerque, NM

"Think of it as evolution in action."

From 7058087846691959217
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,95710e1098020ead,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 18:25:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site umcp-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!godot!harvard!seismo!
umcp-cs!james
From: james@umcp-cs.UUCP (James O'Toole)
Newsgroups: net.micro.apple
Subject: Re: Koala pad readings
Message-ID: <459@umcp-cs.UUCP>
Date: Thu, 25-Oct-84 21:25:21 EDT
Article-I.D.: umcp-cs.459
Posted: Thu Oct 25 21:25:21 1984
Date-Received: Sat, 27-Oct-84 03:31:35 EDT
Distribution: net
Organization: U of Maryland, Computer Science Dept., College Park, MD
Lines: 13

Losing the Koala pad readings in between as you describe does indicate
that the Apple isn't sampling fast enough...but this is a problem in
the software you are using. I have used Logo, Pascal, and Basic to
take Koala pad (and joystick) readings...Logo is slowest. I've used
some fancy Koala pad software that I think came with the pad...its
sampling routines are probably in assembly, and it hardly ever loses
readings.

Once, I used a cheap VOM to see how linear the pad's readings were with
respect to pen position. I'd say the limiting factor in that case was
the needle response in the VOM, never the pad.

  --Jim

From -8990885791211662267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5145433e2de50db,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 19:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucuxc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houxe!drutx!ihnp4!inuxc!
pur-ee!uiucdcs!uiucuxc!rcook
From: rcook@uiucuxc.UUCP

Newsgroups: net.micro.apple
Subject: Re: Revelations - (nf)
Message-ID: <23600012@uiucuxc.UUCP>
Date: Thu, 25-Oct-84 22:16:00 EDT
Article-I.D.: uiucuxc.23600012
Posted: Thu Oct 25 22:16:00 1984
Date-Received: Sat, 27-Oct-84 04:19:59 EDT
References: <13900006@lan000.UUCP>
Lines: 15
Nf-ID: #R:lan000:13900006:uiucuxc:23600012:000:439

Nf-From: uiucuxc!rcook   Oct 25 21:16:00 1984

#R:lan000:13900006:uiucuxc:23600012:000:439
uiucuxc!rcook   Oct 25 21:16:00 1984

Well, as an experienced Apple user, I know that Apple cares about its
users and still keeps its "experienced" users satisfied. Its sounds to
me like you just seem to be mad because possibly something bad happened
to you. Maybe you were just one of those "dumb" users that somehow got
ripped off because you didn't know what you were doing.

Then again -- maybe I'm wrong.

Rob Cook   (send all the flames you want - i love mail)

From 3363088102547660064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,71eb5f2d07d0f9ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 19:44:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucuxc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houxe!drutx!ihnp4!inuxc!
pur-ee!uiucdcs!uiucuxc!rcook
From: rcook@uiucuxc.UUCP
Newsgroups: net.micro.apple
Subject: help on 80 board - (nf)
Message-ID: <23600013@uiucuxc.UUCP>
Date: Thu, 25-Oct-84 22:44:00 EDT
Article-I.D.: uiucuxc.23600013
Posted: Thu Oct 25 22:44:00 1984
Date-Received: Sat, 27-Oct-84 04:20:21 EDT
Lines: 22
Nf-ID: #N:uiucuxc:23600013:000:711

Nf-From: uiucuxc!rcook   Oct 25 21:44:00 1984

#N:uiucuxc:23600013:000:711
uiucuxc!rcook   Oct 25 21:44:00 1984

I bought an 80-column card from a place here, which went out of business, 2 weeks after i bought it. OK, now the problem, when i try and boot my visicalc program, certain sectors of the screen have some kind of bizarre static. It is in some sort of pattern like large blocks of static, and I have no idea what is causing it. It seems to work fine in normal operation- only problem when i use visicalc.
And the thing is, no other Apple dealer will fix it because they say this shop was officially closed before I bought it so warranties are no good.

Any help on this would be greatly appreciated.

My system is:
Apple IIe
Apple's 80-column card
and disk drive etc.

Thanks in advace
Rob Cook

From 3761325950166388048
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-25 21:10:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Greedy Apples
Message-ID: <1221@hao.UUCP>
Date: Fri, 26-Oct-84 00:10:11 EDT
Article-I.D.: hao.1221
Posted: Fri Oct 26 00:10:11 1984
Date-Received: Sun, 21-Oct-84 15:44:44 EDT
References: <1114@zeppo.UUCP>, <1221@eagle.UUCP> <5322@brl-tgr.ARPA>
<1210@hao.UUCP> <5381@brl-tgr.ARPA>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 15

[]
> It may not be necessary to model an economic system in great detail in
> order to understand its more general features, any more than it is
> necessary to model the detailed neurology of the brain in order to have
> a handle on psychology.

Sometime in the distant future, about the time people finally
get a handle on psychology, I'll expect to see an understanding
of how an economic system works.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 7017425690267426643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5c707b0f9aeb619f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-26 00:03:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Price cut on Inside Mac
Message-ID: <76@vectron.UUCP>
Date: Fri, 26-Oct-84 03:03:06 EDT
Article-I.D.: vectron.76
Posted: Fri Oct 26 03:03:06 1984
Date-Received: Sat, 27-Oct-84 04:16:32 EDT
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 13

Apple has reduced the price for Inside Macintosh to $100. The reduction
is due to economy of scale in production of the documents.
To quote the Apple Mac Developers Group:
     "...demand for Inside Mac has increased ...largely due to the
growing availability of native Mac languages...[it] is essential for any
serious development work.
     "Because of the increased demand, we've been able to...lower our
costs."

     Other details of availability, updates etc. are unchanged.
     --Kent Johnson
       {ucbvax'ihnp4}!dual!vectron!ksj

From -7620049256590060878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,395b23a2852cced6,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 14d0b9,395b23a2852cced6,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 129c11,395b23a2852cced6,start
X-Google-Attributes: gid129c11,public

X-Google-Thread: 1622d3,395b23a2852cced6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-26 02:23:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!cbosgd!ihnp4!zehntel!dual!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro,net.micro.cbm,net.micro.apple,fa.info-mac
Subject: Vicmodem to Mac conversion.
Message-ID: <140@qumix.UUCP>
Date: Fri, 26-Oct-84 04:23:18 EST
Article-I.D.: qumix.140
Posted: Fri Oct 26 04:23:18 1984
Date-Received: Sun, 28-Oct-84 04:41:10 EST
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 44

Subject: vicmodem to rs422 conversion

I just got this working!!! It only cost me $1.60 for the 9 pin connector since I already had the $59 vicmodem and scrap parts. Some will scoff but this is a poor man's modem for the Macintosh. A bit slow (300 bps) but when the wife watches the budget you have to start somewhere. I also have a home-brew auto dial circuit but I haven't converted that from the vic to mac yet.

-----RS422 (+5 volts line driver/receiver)------

MAC	function	breadboard	VICMODEM	function
1	ground	ground	1, A	ground
2	+5v	pwr to ic	-----	
4	TXD+ -->	3.3k pullup -->	M	data to modem
5	TXD-	----	----	
6	filtered +12v	----	10	modem power
7	carrier detect<-	LS04-6 5 to <-	H	carrier detect
8	RXD+	----	-----	
9	RXD-	<-- LS04-4 &1k res., 3 to <--	C	data from modem

```
back of mac
-------------
\ 5 4 3 2 1 /
 \ 9 8 7 6 /
  --------
```

The MAC book (red cover) seems to say you can run the rs422 lines open ended like this. They talk about doing it with the imagewriter.

From 4346288317452769272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8f75febbb09a803,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-26 04:52:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxr!mhuxv!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Need fromhex...
Message-ID: <317@mhuxt.UUCP>
Date: Fri, 26-Oct-84 07:52:18 EDT
Article-I.D.: mhuxt.317
Posted: Fri Oct 26 07:52:18 1984
Date-Received: Sat, 27-Oct-84 03:35:21 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

<>
Could someone send me (or post to net.sources) a copy of fromhexu.c and tohex.c?

thanks in advance
Steve Crandall
ihnp4!mhuxt!evans

From -1405718367300340059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cf24dbbd23c20347,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15eac6,cf24dbbd23c20347,start
X-Google-Attributes: gid15eac6,public
X-Google-ArrivalTime: 1984-10-26 10:17:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple,net.info-terms
Subject: Wanted --- Apple][e termcap

Message-ID: <253@ssc-bee.UUCP>
Date: Fri, 26-Oct-84 12:17:17 EST
Article-I.D.: ssc-bee.253
Posted: Fri Oct 26 12:17:17 1984
Date-Received: Sun, 28-Oct-84 06:12:26 EST
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 16

[]

Does anyone have a termcap entry for an Apple][e running
the extended memory, 80-col card? Please mail directly to
me (I imagine this is the nth time someone has requested this.)

Also, someone complained in private mail that the above card
is too slow for effective 1200 baud use. Does anyone else
have any experience with this card at 1200 baud? I
briefly glanced at the Rom listing for the card and it does
look slow for page scrolling.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -7262356794146181031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9415dbbb5263a4be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-28 00:47:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!alberta!sask!custead
From: custead@sask.UUCP (Der cuss)
Newsgroups: net.micro.apple
Subject: Mac 4 tone sound (help needed)
Message-ID: <132@sask.UUCP>
Date: Sun, 28-Oct-84 02:47:34 EST
Article-I.D.: sask.132
Posted: Sun Oct 28 02:47:34 1984
Date-Received: Mon, 29-Oct-84 02:38:02 EST
Organization: U of Saskatchewan, Canada
Lines: 15

Just when I think I might graduate from being a MacNovice, I run into
a dead end again...So again I ask for help from the MacHackers on the net.

I am trying to use the 4 tone sound generator, using the routine
StartSound(&soundtable);
This is starting the sound correctly, but the routine does not return
until the duration has run down. What I want to do is start the sound,

then return and modify the waveforms/rates and keep updating the duration
to produce continuous sound...
Am I using the wrong routine? or am I using the right routine incorrectly?
or is it possible to do this?

L. R. Custead
Univ of Saskatchewan
ihnp4!sask!custead

From -8793989622679116273
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcc136946831b156
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-28 07:09:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxz!aluxp!szmanda
From: szmanda@aluxp.UUCP (szmanda)
Newsgroups: net.micro.apple
Subject: Re: Cheap Upgrades
Message-ID: <167@aluxp.UUCP>
Date: Sun, 28-Oct-84 10:09:03 EST
Article-I.D.: aluxp.167
Posted: Sun Oct 28 10:09:03 1984
Date-Received: Mon, 29-Oct-84 02:44:05 EST
References: <620@reed.UUCP>
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 13

> Just another thing for the net to dwell on: I have been given to
> understand that user group "A.P.P.L.E." has made available a how-to
> manual for the "technically inclinded" to do a home upgrading job
> for their Macs. I don't know how this would effect their warranties.
> If people are really dying for this info I will try to get some more.

I would be very interested in the technical details of a Mac upgrade. Please
post any information you might have to the net.

Chuck Szmanda
AT&T Bell Labs
Allentown, PA
aluxp!szmanda

From 5189624544561382962
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,4bec7789604d9091,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 14d0b9,4bec7789604d9091,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 129c11,4bec7789604d9091,start
X-Google-Attributes: gid129c11,public

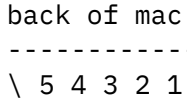
X-Google-Thread: 1622d3,4bec7789604d9091,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-28 21:38:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!linus!decvax!decwrl!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.cbm,fa.info-mac,net.micro,net.micro.apple
Subject: Vic to Mac Null modem cable.
Message-ID: <148@qumix.UUCP>
Date: Mon, 29-Oct-84 00:38:33 EST
Article-I.D.: qumix.148
Posted: Mon Oct 29 00:38:33 1984
Date-Received: Sat, 3-Nov-84 03:53:19 EST
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 53

Subject: Commodore to Mac Null modem cable

I recently posted the interface below to the net. It works. Since
then I've added a second cable that after unplugging the modem allows
one to interface direct from the Commodore to the Mac. Its'
description is listed below the first.

 -----RS422 (+5 volts line driver/receiver)------

MAC	function	breadboard	VICMODEM (conn. 1)	function
1	ground	ground	1, A	ground
2	+5v	pwr to ic	-----	
4	TXD+ -->	3.3k pullup -->	M	data to modem
5	TXD-	----	----	
6	filtered +12v	----	10	modem power
7	carrier detect<- LS04-6	5 to <-	H	carrier detect
8	RXD+	----	-----	
9	RXD- <-- LS04-4 &1k res., 3 to <--		C	data from modem



```
                \ 9 8 7 6 /
                 --------

 conn. 1          signal         conn. 2 (to CBM)

  1,A              GND            1,A
   M               TXD -->         C  (RXD)
   C              <-- RXD          M  (TXD)
   H  to GND     carrier detect    H to GND
```

So now I can type on the CBM keyboard and everything appears on the Mac screen that I type. Big deal! Only problem is it doesn't work the other direction. I'm sure I don't have any faulty connections.

Q. Anybody know the answer to the above problem?
Q2. Is there a way for the Mac to receive and store M-Basic files via the modem port? I have a lot of files without peeks and pokes that I could use if I can do this.

From -2365892497150324305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8f75febbb09a803
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-29 08:19:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bbncca.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!bbncca!msimpson
From: msimpson@bbncca.ARPA (Mike Simpson)
Newsgroups: net.micro.apple
Subject: Re: Need fromhex...
Message-ID: <1076@bbncca.ARPA>
Date: Mon, 29-Oct-84 11:19:14 EST
Article-I.D.: bbncca.1076
Posted: Mon Oct 29 11:19:14 1984
Date-Received: Tue, 30-Oct-84 01:42:16 EST
References: <317@mhuxt.UUCP>
Reply-To: msimpson@bbncca.UUCP (Mike Simpson)
Followup-To: (<317@mhuxt.UUCP>)
Distribution: net.micro.apple
Organization: Bolt, Beranek and Newman, Cambridge, Ma.
Lines: 10
Keywords: fromhexu, tohex

***
29 October 1984.

FROMHEXU.BAS and TOHEX.C have been posted to net.sources.
--
>> don't shoot me, I'm just trying to be helpful ... <<
Mike Simpson, BBN
msimpson@bbnccf (Arpanet/Internet/CSNet)
{decvax,ihnp4,ima,linus,masscomp,sunybcs,wjh12}!bbncca!msimpson (Usenet)

617-497-2819 (Ma Bell)

From -515915518822725785
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbe7d64ed696898c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-29 16:39:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Prodos Technical Reference Manual (at last)
Message-ID: <258@ssc-bee.UUCP>
Date: Mon, 29-Oct-84 19:39:27 EST
Article-I.D.: ssc-bee.258
Posted: Mon Oct 29 19:39:27 1984
Date-Received: Wed, 31-Oct-84 00:31:05 EST
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 31

After waiting for five months, I can finally use Prodos!

The Prodos Technical Reference Manual is now apparently back in print. I was able to purchase a copy at my local computer store for $25. I have skimmed the manual and it seems to have all the necessary information for assembly programming. There is even a return card in which Apple says they will attempt to keep registered users informed of changes (I will believe this when I see it).

The parameter format for calls to the Machine Language Interface (MLI) is a bit strange to me: The first parameter of each call is the number of parameters to expect. The manual says this is to guard against accidental calls to the MLI. Is this practice now being pushed by anyone besides Apple? This is the first time I have encountered it, and think its a little silly but harmless.

A very, minor flame: The manual is distributed in looseleaf form. The pages are smaller than normal 8 1/2 X 11, and are wider than my one small notebook likes. Apple says they did this to make updates easier and binders are available at extra cost. The loose leaf style is good for updates especially if the updates are issued in the form of "replace this old page with this new page", but the first set of updates which came with the manual contains several widely separated page updates on one page so you can't really just replace the offending pages.

--

Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -6929351376747971090
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49542a7098981b38,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-29 19:33:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucsbcsl.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!trwrba!cepu!ucsbcsl!iltis
From: iltis@ucsbcsl.UUCP ( )
Newsgroups: net.micro.apple
Subject: where is new macwrite?
Message-ID: <182@ucsbcsl.UUCP>
Date: Mon, 29-Oct-84 22:33:01 EST
Article-I.D.: ucsbcsl.182
Posted: Mon Oct 29 22:33:01 1984
Date-Received: Thu, 1-Nov-84 02:38:58 EST
Organization: U.C. Santa Barbara
Lines: 11

There has been a great deal of talk about the new (disk-based)
Macwrite. When, where, and how will the upgrade be available? (As
usual MACWORLD seems to believe that it is out now, but nobody
in So. California seems to have heard anything about it)
Also, according to the MACWORLD article, on 128K Macs, there is still
some kind of a page limit (50 double spaced pages) using the new, supposedly
disk based Macwrite. Is this really true?

R.A. Iltis
UC Santa Barbara
Dept of Elec. and Comp. Eng.

From -1656297417423512546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8182de648e8d9be9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-29 21:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!cmcl2!acf4!not0032
From: not0032@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <12500017@acf4.UUCP>
Date: Tue, 30-Oct-84 00:26:00 EST
Article-I.D.: acf4.12500017
Posted: Tue Oct 30 00:26:00 1984
Date-Received: Fri, 2-Nov-84 05:15:53 EST
References: <-1276900@JPL-VLSI.UUCP>

Organization: New York University
Lines: 10
Nf-ID: #R:JPL-VLSI:-1276900:acf4:12500017:37777777600:445
Nf-From: acf4!not0032   Oct 23 21:26:00 1984

<>
yes yes yes!
i have been looking for a terminal emulator program for the][c
so that the 1200 baud modem i bought for it will be of some use. yes,
you can in fact use the][c at 1200 baud, but only with apple's own
modem (something about the clock or the architecture of the][c, i'm
not sufficiently computer literate to explain it). if you can supply the
program, i'd be more than happy to test it!

allison allegra!cmcl2!acf4!not0032

From -7117351470634474377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae6a5fe061d34ae8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-30 08:39:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stcvax.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!godot!harvard!seismo!hao!stcvax!rbh
From: rbh@stcvax.UUCP (Brent Haws)
Newsgroups: net.micro.apple
Subject: programs stalling/pauses problem on a][+/][e
Message-ID: <320@stcvax.UUCP>
Date: Tue, 30-Oct-84 11:39:17 EST
Article-I.D.: stcvax.320
Posted: Tue Oct 30 11:39:17 1984
Date-Received: Fri, 2-Nov-84 02:58:46 EST
Organization: Storage Technology Corp. Louisville, CO
Lines: 14

I have been having a problem with program stalling on the apple due
to "garbage collection" of variables, I think. The program seems to
run fine at times, then it pauses from 15 secs to 2 minutes, and it
seems to get worse the longer the program is run. I was wondering if
anybody had this same problem and/or knew a good way to minimize this
problem or cure it all together.

                  Thanks - Brent
--
Brent Haws - STC StorageTek (Disk Division)
uucp: { hao, ihnp4, decvax}!stcvax!rbh
     { allegra, amd70, ucbvax }!nbires!stcvax!rbh
USnail: Storage Technology Corp - MD 3T / Louisville, CO / 80028
DDD: (303) 673-6750

From 2566304434877478618

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126216e86ea478f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-30 13:03:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ganehd.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!ganehd!bwc
From: bwc@ganehd.UUCP (Brantley Coile)
Newsgroups: net.micro.apple
Subject: Running Aztec C under 'Custom DOS'
Message-ID: <199@ganehd.UUCP>
Date: Tue, 30-Oct-84 16:03:56 EST
Article-I.D.: ganehd.199
Posted: Tue Oct 30 16:03:56 1984
Date-Received: Tue, 6-Nov-84 04:27:03 EST
Organization: NE Health District, Athens, Georgia
Lines: 9

How can you take the binaries from the DOS verion of the
Aztec C compiler and run them under a 'custom' Operating System?

Any suggestions?
Brantley Coile CCP

..!akgua!ganehd!bwc

From -8396080879274163570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f580e22e48efda18,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-31 05:52:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Results of ProDOS boot problem assistance
Message-ID: <4058@decwrl.UUCP>
Date: Wed, 31-Oct-84 08:52:22 EST
Article-I.D.: decwrl.4058
Posted: Wed Oct 31 08:52:22 1984
Date-Received: Fri, 2-Nov-84 03:52:36 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 36

This is a summary of replies to my request for help with getting ProDOS to
boot on a "compatible" non-Apple machine.

1. I was advised to buy the book _Beneath_Apple_ProDOS_ which has a lot of
useful info in it, including a patch that tells how to make ProDOS use

40-track floppy drives. Unfortunately, there was nothing there that I could use to fix my boot problem, but the book will get lots of use for other purposes.

2. I received a patch to ProDOS, stated to be untried by the person who sent it, which I tried. It didn't work; on a REAL Apple, the boot code put up this message: "UNABLE TO LOAD PRODOS"

3. I was advised that all ProDOS looks for in the monitor ROM is the APPLE trademark text that gets put at the top of the screen at boot. This fix was claimed to have been tested.

Taking my cue from the third offering, I made a modified copy of my legitimate Apple monitor ROM, with the lower-to-upper case foldover bypassed. To make this change, load the ROM contents into a PROM blaster and observe the data in address 583 (hex) - it is DF. Change it to FF and blast the appropriate new PROM accordingly.

This modified monitor is in my machine now, and ProDOS likes it just fine. By adding a small series of POKEs to my HELLO programme, I even have DOS 3.3 displaying and accepting lowercase commands.

Thanks to all who offered assistance!

Cheers,
Dick Binder   ("Beware the Jabberwock, my son!")

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Wednesday 31st October 1984, 08:51 EST by DOSADI::BINDER

From 8374214592415226987
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,18ea8f0deac59311,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 12:41:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!linus!decvax!decwrl!amd!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Change startup disk without an application
Message-ID: <84@vectron.UUCP>
Date: Fri, 9-Nov-84 15:41:52 EST
Article-I.D.: vectron.84
Posted: Fri Nov 9 15:41:52 1984
Date-Received: Mon, 12-Nov-84 07:23:20 EST
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 6

Subjece: Change startup without launching an application!

Newsgroups: net.micro.apple

You can make a Mac disk be the startup disk without running an application
on the new disk--just hold down Command-Option and double-click the Finder
on the new disk! This tip is from the RAM disk documentation. Works great!

From -2303460321880387717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97137a2c3edd703a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 13:37:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!houxm!hogpc!houxe!
drutx!shallman
From: shallman@drutx.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: Lets get rid of all the MAC CRAP
Message-ID: <1399@drutx.UUCP>
Date: Fri, 9-Nov-84 16:37:04 EST
Article-I.D.: drutx.1399
Posted: Fri Nov 9 16:37:04 1984
Date-Received: Sun, 11-Nov-84 20:12:29 EST
References: <606@loral.UUCP> <117@dadla.UUCP> <472@sftig.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 4

Why doesn't these people learn grammar?

James Shallman
ATTISL Denver

From -123502910683433589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b67cda512ed976a5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 17:12:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site amd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!amd!jimb
From: jimb@amd.UUCP (Jim Budler)
Newsgroups: net.micro.apple
Subject: Re: Help with Open/Closed-Apple keys
Message-ID: <561@amd.UUCP>
Date: Fri, 9-Nov-84 20:12:46 EST
Article-I.D.: amd.561
Posted: Fri Nov 9 20:12:46 1984
Date-Received: Sat, 10-Nov-84 10:18:37 EST
References: <decwrl.4060>
Reply-To: jimb@amd.UUCP (Jim Budler)
Organization: AMD, Santa Clara, CA

Lines: 16
Summary:

In article <decwrl.4060> binder@dosadi.DEC writes:
>What is the magic that the Open-Apple and Closed-Apple keys perform? My Apple
>
>So what DO they do? Any help will be appreciated.
>
>Dick Binder   ("Beware the Jabberwock, my son!")
>
They are connected to the paddle buttons.

Th-Th-That's all folks.....
--
 Jim Budler
 Advanced Micro Devices, Inc.
 (408) 982-6547
 UUCPnet: {ucbvax,decwrl,ihnp4,allegra,intelca}!amd!jimb
 Compuserve ID: 72415,1200

From 5801242696542349577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,319f070a28ec1b22,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 20:31:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: AE Pro Assistance needed
Message-ID: <3454@ecsvax.UUCP>
Date: Fri, 9-Nov-84 23:31:07 EST
Article-I.D.: ecsvax.3454
Posted: Fri Nov 9 23:31:07 1984
Date-Received: Sat, 10-Nov-84 21:30:26 EST
References: vice.47
Lines: 11

No problem with emulating a vt52 -- I am doing it now as always. You do
need to set the parameters correctly, turn on emulation, turn off screen
formatting, and tell Unix that you have a vt52.

Apple CP/M text is not a problem, since it can can be converted from CP/M
with the APDOS program, but going the other way is difficult. I have seen
a cp/m muffin program in call a.p.p.l.e. March 1983, but I haven't tried it.
I suggest that you download MEX11 and use it for CP/M, since it also works
with binary files, which ae will never do.

Phil Julian   mcnc!ecsvax!julian

From -1268595139385283727

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,319f070a28ec1b22
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 20:31:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: AE Pro Assistance needed
Message-ID: <3455@ecsvax.UUCP>
Date: Fri, 9-Nov-84 23:31:22 EST
Article-I.D.: ecsvax.3455
Posted: Fri Nov 9 23:31:22 1984
Date-Received: Sat, 10-Nov-84 21:30:41 EST
References: vice.47
Lines: 11

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I suggest that you download MEX11 and use it for CP/M, since it also works
with binary files, which ae will never do.

Phil Julian   mcnc!ecsvax!julian

From 3125773524121998760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,319f070a28ec1b22
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-09 20:31:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: AE Pro Assistance needed
Message-ID: <3456@ecsvax.UUCP>
Date: Fri, 9-Nov-84 23:31:39 EST
Article-I.D.: ecsvax.3456
Posted: Fri Nov 9 23:31:39 1984
Date-Received: Sat, 10-Nov-84 21:30:56 EST
References: vice.47
Lines: 11

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I suggest that you download MEX11 and use it for CP/M, since it also works
with binary files, which ae will never do.

Phil Julian   mcnc!ecsvax!julian

From 1508172267171253699
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12f221,244c08c31f0af99
X-Google-Attributes: gid12f221,public
X-Google-Thread: 1622d3,244c08c31f0af99
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-11 12:34:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple,net.misc
Subject: Re: Is Newsweek carrying apple ads?
Message-ID: <5716@brl-tgr.ARPA>
Date: Sun, 11-Nov-84 15:34:30 EST
Article-I.D.: brl-tgr.5716
Posted: Sun Nov 11 15:34:30 1984
Date-Received: Tue, 13-Nov-84 01:18:33 EST
References: <5@vax2.fluke.UUCP> <3158@ucbvax.ARPA>
Organization: Ballistic Research Lab
Lines: 5

> The issue that Apple "bought" is the special post-election issue, not
> the regular week's issue. It is due out today (thursday the 8th) or
> tomorrow.

I have seen the issue on the stands. It is marked "Election Extra".

From -1534587088632037581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,adb944a77c8d55e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-11 15:14:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Help with StartUpScreen Please
Message-ID: <290@mb2c.UUCP>
Date: Sun, 11-Nov-84 18:14:14 EST
Article-I.D.: mb2c.290
Posted: Sun Nov 11 18:14:14 1984
Date-Received: Tue, 13-Nov-84 06:29:03 EST
Lines: 7

I know that there is a way to replace the "Welcome to Macintosh"
boot screen with a MacPaint document. Could someone please post
it again, or mail to me if this is old ground. I have the system
utilities if that helps.

John Duncan (mb2c!jed) Michigan Bell   (313) 424-1653

From 2016094979347746824
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cfd38a5f2ccf79a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-11 17:10:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl!dspo!unm-la!unmvax!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple/Mac news groups....
Message-ID: <71@unm-cvax.UUCP>
Date: Sun, 11-Nov-84 20:10:51 EST
Article-I.D.: unm-cvax.71
Posted: Sun Nov 11 20:10:51 1984
Date-Received: Tue, 13-Nov-84 06:07:31 EST
Organization: Univ. of New Mexico, Albuquerque
Lines: 19

[Another Bug bytes the bus]

A few months back we had this "talk" about the Mac news flow
 and at that point people said that the Mac stuff would slowly
 go away....

                          IT HAS NOT!!!

I vote yes for a new group called net.micro.mac

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

P.S. It might not matter... A Ex-friend just watered his plants and
      my apple while I was using it.... ZAP! Now it is time to pray.

From -1033553689129623853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c400354420b60e1c,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-12 10:28:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mcnc.UUCP
Path: utzoo!linus!decvax!mcnc!sci
From: sci@mcnc.UUCP (Tony Bennett (sci))
Newsgroups: net.micro.apple
Subject: What changes needed to add 256k rams to Mac?
Message-ID: <2352@mcnc.UUCP>
Date: Mon, 12-Nov-84 13:28:43 EST
Article-I.D.: mcnc.2352
Posted: Mon Nov 12 13:28:43 1984
Date-Received: Tue, 13-Nov-84 07:20:06 EST
Organization: Microelectronics Ctr. of NC; RTP, NC
Lines: 12

<>

What are the changes (if any) required to mac board to add
on 256k ram chips?

mail please.

--tony bennett (sci) ..!decvax!mcnc!sci
  PO Box 12557
  Research Triangle Park, NC 27709
  (919) 549-8334

From -1467447799794037506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8bbde7b03a6cee2f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-12 10:29:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 10/31/84; site apollo.uucp
Path: utzoo!linus!decvax!wivax!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: PC look out!
Message-ID: <22eca84e.8e4@apollo.uucp>
Date: Mon, 12-Nov-84 13:29:06 EST
Article-I.D.: apollo.22eca84e.8e4
Posted: Mon Nov 12 13:29:06 1984
Date-Received: Tue, 13-Nov-84 07:00:47 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 12

...
Forgive me if I already posted this, but....

APPLE COMPUTER

"16-bit Apple II chips due", INFOWORLD, Nov. 5, 1984, pp. 21-22.
    New 65816 chips will run all existing Apple II software and give Apple the 'absolute advantage'. The 65816 can address more than 16 M-bytes. Designer Bill Mensch of Western Digital Design predicts that the 65816 and its 8/16-bit sister, the 65802 will help to 'kill off the mainframe industry'.

From -8050870445655013901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,307cd968efe8b561,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-13 12:37:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 larry 2/4/84; site hlwpc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!mhuxh!hlexa!hlwpc!cb
From: cb@hlwpc.UUCP (Carl Blesch)
Newsgroups: net.micro.apple
Subject: Test-drive a MacIntosh
Message-ID: <429@hlwpc.UUCP>
Date: Tue, 13-Nov-84 15:37:47 EST
Article-I.D.: hlwpc.429
Posted: Tue Nov 13 15:37:47 1984
Date-Received: Wed, 14-Nov-84 04:58:24 EST
Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 20

I'm sure those who read Apple's ads in the Newsweek
election edition (you know, the edition with Apple ads *only*!)
saw the latest marketing gimmick called "Test-drive a MacIntosh"
The ad said that "qualified persons" could go to a "participating
dealer" and take a Mac home overnight and play with it.
Wondering who the "qualified persons" were, I called my nearest
"participating dealer" and asked. Apparently, you are qualified
if you hold a Visa or Mastercard, and are willing to have them
fill out a charge slip for whatever the price of a Mac is.
They hold the charge slip overnight, then give it back to you
or tear it up when you bring it back.
Our participating dealer has four Macs available for loan,
and it throws in four pieces of software for the "test drive" --
MacWrite, MacPaint, Multiplan(TM of Microsoft) and something
else that the salesman didn't know about at the time.

Anyone bite on this offer yet? If and when I do, I'll share
my experiences.

Carl Blesch

From -3211237875059148938
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,fd69e1b4cee14290,start

X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,fd69e1b4cee14290,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-14 13:07:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 Fluke 8/7/84; site fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro.apple,net.micro.mac
Subject: Well, I guess that Mac SHOULD get out of net.micro.apple now...
Message-ID: <40@vax2.fluke.UUCP>
Date: Wed, 14-Nov-84 16:07:46 EST
Article-I.D.: vax2.40
Posted: Wed Nov 14 16:07:46 1984
Date-Received: Fri, 16-Nov-84 05:02:58 EST
Distribution: net
Organization: John Fluke Mfg. Co., Everett, WA
Lines: 16

I believe that the people in net.micro.apple who have wanted to make it strictly Apple][information are probably justified now that net.micro.mac is up. So unless it pertains to all of Apple, not just Macs :-), one should probably post Mac articles to net.micro.mac.

Shouldn't one?

    "But I guess I'm just stating the very obvious (shutup! shutup!...)"

                        Moriarty, aka Jeff Meyer
                        John Fluke Mfg. Co., Inc.
UUCP:
 {cornell,decvax,ihnp4,sdcsvax,tektronix,utcsrgv}!uw-beaver \
    {allegra,gatech!sb1,hplabs!lbl-csam,decwrl!sun,ssc-vax} -- !fluke!moriarty
ARPA:
     fluke!moriarty@uw-beaver.ARPA

From 4499806012093536122
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,319f070a28ec1b22
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-14 13:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!decvax!genrad!wjh12!harvard!seismo!cmcl2!acf4!tsb2988
From: tsb2988@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: AE Pro Assistance needed
Message-ID: <12500025@acf4.UUCP>
Date: Wed, 14-Nov-84 16:46:00 EST
Article-I.D.: acf4.12500025

Posted: Wed Nov 14 16:46:00 1984
Date-Received: Sun, 18-Nov-84 03:30:44 EST
References: <3454@ecsvax.UUCP>
Organization: New York University
Lines: 8
Nf-ID: #R:ecsvax:-345400:acf4:12500025:000:299
Nf-From: acf4!tsb2988   Nov 14 16:46:00 1984

I too have been using AE pro to use Unix... emulation works well
except for tabs. Also, I found out that emulation doesn't work
without an 80 Column card. Such is life.

CP/Muffin is a horrible program. It made scramble eggs out of
a Turbo program I wrote. Yuck! There has got to be a better
way.

From 835163130375667569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,51285f4beb6d90d4,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,51285f4beb6d90d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-14 17:27:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site emory.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!emory!km
From: km@emory.UUCP (Ken Mandelberg)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Tilde in Macterminal
Message-ID: <1436@emory.UUCP>
Date: Wed, 14-Nov-84 20:27:21 EST
Article-I.D.: emory.1436
Posted: Wed Nov 14 20:27:21 1984
Date-Received: Thu, 15-Nov-84 04:11:54 EST
Distribution: net
Organization: Math & Computer Science, Emory University, Atlanta
Lines: 14

Does anyone have a patch for macterminal that will make
it easier to type a ~. Pressing three keys at once
(command-shift-tilde) is not a very good solution for
a character that comes as frequently as tilde on
Unix (mail, rlogin, tip, cu, ..).
--
Ken Mandelberg
Emory University
Dept of Math and CS
Atlanta, Ga 30322

{akgua,sb1,gatech}!emory!km   USENET
km@emory   CSNET

km.emory@csnet-relay ARPANET

From 8456390349326548270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7db777437b777ab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-15 08:51:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!decvax!mcnc!unc!smithd
From: smithd@unc.UUCP (Dana L. Smith)
Newsgroups: net.micro.apple
Subject: Apple II+, CP/M, & MODEM7
Message-ID: <96@unc.UUCP>
Date: Thu, 15-Nov-84 11:51:10 EST
Article-I.D.: unc.96
Posted: Thu Nov 15 11:51:10 1984
Date-Received: Sat, 17-Nov-84 03:19:25 EST
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 13

I'm trying to use MODEM7 with an Apple II+ and an Apple Super Serial Card.
I've tried writing my own code to talk to the serial card but so far
have had no success. The card works fine but sometimes locks up and won't
receive data properly. I know I'm doing something wrong but I can't
figure out what it is. My code is just a Z80 version of the appropriate
6502 ROM code listed in the manual.

Does anyone out there have a working overlay file for this configuration?

Thanks in advance.

smithd@unc

From -8038110451008797759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f794b225f05ce1a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-15 10:10:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Apple 2 Booting problems - (nf)
Message-ID: <2624@harpo.UUCP>
Date: Thu, 15-Nov-84 13:10:30 EST
Article-I.D.: harpo.2624
Posted: Thu Nov 15 13:10:30 1984
Date-Received: Sat, 17-Nov-84 02:50:36 EST

Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 17

#N::37600014:000:752
!bob   Nov 15 13:10:00 1984

Lately I have had an intermittent problem with an Apple 2+. During booting
the APPLE][logo changes to aPPLE][, or a single extraneous character
, usually ! but sometimes) 0 ` appears on the line below the logo.
This aberration is often in the display as it comes up, but sometimes appears
 within the
first second or so after booting an empty drive (afterr the head zeros). If
 a disk is in the drive, it often boots incorrectly during such behavior.
Looks like a memory problem, but the bits involved differ. Has anyone
experienced a similar problem? Any guesses at the solution?
Additional info:
Once a successful boot occurs I can do RAM checks all day with no problem
and can do a PR#6 successfully. It appears to be a cold boot problem.

From 7133936496440534177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,78565fe50d966742,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-15 12:07:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Apple 2 Booting problems
Message-ID: <2625@harpo.UUCP>
Date: Thu, 15-Nov-84 15:07:15 EST
Article-I.D.: harpo.2625
Posted: Thu Nov 15 15:07:15 1984
Date-Received: Fri, 16-Nov-84 06:44:28 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 14
Nf-ID: #N::37600014:000:752
Nf-From: !bob   Nov 15 13:10:00 1984

Lately I have had an intermittent problem with an Apple 2+. During booting
the APPLE][logo changes to aPPLE][, or a single extraneous character
, usually ! but sometimes) 0 ` appears on the line below the logo.
This aberration is often in the display as it comes up, but sometimes appears
 within the
first second or so after booting an empty drive (afterr the head zeros). If
 a disk is in the drive, it often boots incorrectly during such behavior.
Looks like a memory problem, but the bits involved differ. Has anyone

experienced a similar problem? Any guesses at the solution?
Additional info:
Once a successful boot occurs I can do RAM checks all day with no problem
and can do a PR#6 successfully. It appears to be a cold boot problem.

From 1398547094639226057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,e76cba0b97ad5fa5,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,e76cba0b97ad5fa5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-15 12:15:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxe!david1
From: david1@aluxe.UUCP (nelson)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Okimate 10
Message-ID: <519@aluxe.UUCP>
Date: Thu, 15-Nov-84 15:15:08 EST
Article-I.D.: aluxe.519
Posted: Thu Nov 15 15:15:08 1984
Date-Received: Fri, 16-Nov-84 05:35:34 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 1

Does anyone have any feedback on the Okimate 10, the under $300 color printer?

From 2184179975553564914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f45f3b09ce0c5477,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-15 14:47:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxz!aluxe!mhuxi!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Anybody have a copy of the Apple tech notes from Intl Apple Core ?
Message-ID: <475@sftig.UUCP>
Date: Thu, 15-Nov-84 17:47:06 EST
Article-I.D.: sftig.475
Posted: Thu Nov 15 17:47:06 1984
Date-Received: Fri, 16-Nov-84 06:36:17 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 21

I am looking for nitty gritty technical info about the Apple IIe. Listings
and commentary on the monitor (both the IIe monitor and the older one for
the II+ which allowed single stepping programs and didnt destroy memory when

it got a reset) Also, listings and commentary on either or both of the Basic interpreters (Applesoft and Integer Basic).
I have heard tell that there was once a ~700 page technotes from Apple that was reproduced and distributed by International Apple Core. IAC says that they have no more copys, and no plans to produce any more. I sure would like to get my hands on one though!

Does anybody have one they would be willing to sell or lend me?

While I am at it, does anybody have any technical information (Such as circuit diagrams and listings/commentary of the firmware) for the extended 80 column color card (The one that supports an RGB monitor and double HIres graphics.)??

Reply by mail to
Rick Thomas
{ihnp4,akgua,allegra,almost any backbone site}!btlunix!rbt
or by phone (201)-522-6062

From -3194278755410178241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,ea04f8c8ca7f35aa,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,ea04f8c8ca7f35aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-16 05:13:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!abnjh!nova
From: nova@abnjh.UUCP (Scott Allen)
Newsgroups: net.micro.mac,net.micro.apple
Subject: What's the next step?
Message-ID: <924@abnjh.UUCP>
Date: Fri, 16-Nov-84 08:13:26 EST
Article-I.D.: abnjh.924
Posted: Fri Nov 16 08:13:26 1984
Date-Received: Sat, 17-Nov-84 05:41:35 EST
Organization: AT&T Information Systems
Lines: 37

[decisions -- decisions]

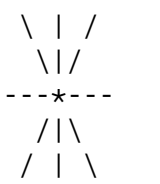
With all the latest upgrade announcements and predictions coming out for the Mac, I think this is an exciting and confusing for Mac owners. For example, I am trying to upgrade my Mac System and the next step is no longer a simple choice.

I have a "slim" Mac with just the one disk drive. I have been saving my nickles and dimes intrying to improve the system. I thought that I would try to get an external disk drive first, and then get the memory upgrade. But now there are announcements/rumors of a double-sided disk drive Real Soon Now and possibly a decent hard disk system. I've even heard rumors of

another upgrade for still more features.

Now I know that with a new machine like the Mac, there will always be improvements along the way, but I am still unsure of my next step. I would be interested in hearing what other Mac owners think of as the logical system improvement path.

Mail or post responses. If I get enough mail, I'll post results to the net. Thanks.



Scott Allen
ATT-IS
Orlando, Florida
..!abnjh!nova

From -5664804999773349056
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a7905e0633d2382,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-16 08:14:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bmcg.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!bmcg!mikel
From: mikel@bmcg.UUCP
Newsgroups: net.micro.apple
Subject: Inside Mac and SOftware Supplement comments
Message-ID: <1490@bmcg.UUCP>
Date: Fri, 16-Nov-84 11:14:39 EST
Article-I.D.: bmcg.1490
Posted: Fri Nov 16 11:14:39 1984
Date-Received: Sat, 17-Nov-84 08:01:32 EST
Organization: Burroughs Corporation, San Diego
Lines: 87

[Row, row, row your bits, gently down the stream...]

I received my Inside Mac and Software Supplement on Oct 30th after mailing check on 10/15. The documentation is massive. Two large 8.5x11x3" apple binder with dividers bursting with information and few examples. Sections include:

Volume 1
Introduction
User Interface
Road Map (Index)
Mem. Man. Intro
Assy Language
Resource Manager
Quick Draw
Font Manager
Event Manager
Window Manager
Control Manager
Menu Manager
TextEdit
Dialog Manager
Desk Manager
Scrap Manager
Toolbox Util.

Volume 2
Packages
Printing
Memory Manager
Segment Manager
OS Event Manager
File Manager
Device Manager
Disk Driver
Sound Driver
Serial Driver
Vertical Retrace
System Error
OS Util.
Other OS
Applications
Example Programs (Pascal)
Putting Together Mac Applacations.
Index (for everything)
Floating Point
Debugging
Macintosh, misc.

I also ordered 'The Software Suplement'. This consisted of 10 disk of which 3 we Mac and the rest for Lisa Workshop. The MacStuff disks included:

MacStuff 1
Resource Mover
Hex Dump
Disk Utility
Boot Configure
File Set
Alert/Dialog Editor
Examine File

Printer (?)
Hard Disk Install (MacWorks on Lisa)
Screen Maker
Icon Editor

MacStuff 2
Font Mover
Font Editor (Can't get it to work, but havn't tried hard)
Fonts file
Edit (Text Editor)
Grow (?)
Sound Lab (Real neat!)
Life (Game of)

MacStuff 3
DB, MacDB (debugger)
(Debugger files)

All in all, well worth the price. $150 for "Inside" (Now $100) and $100 for "The Supplement". This price gets a real copy of "Inside" sent to you when complete. There is no info on hardware.

Mike Lesher
Burroughs ASG, San Diego, CA.
(..!bmcg!mikel)

From 3413104501493762901
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,d1c280b66151e47,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,d1c280b66151e47,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13cc7c,d1c280b66151e47,start
X-Google-Attributes: gid13cc7c,public
X-Google-ArrivalTime: 1984-11-16 10:33:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxe!david1
From: david1@aluxe.UUCP (nelson)
Newsgroups: net.micro.atari,net.micro.apple,net.kids
Subject: Educational program for 3 year old
Message-ID: <520@aluxe.UUCP>
Date: Fri, 16-Nov-84 13:33:56 EST
Article-I.D.: aluxe.520
Posted: Fri Nov 16 13:33:56 1984
Date-Received: Sat, 17-Nov-84 04:55:16 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 5

I'm looking for an educational program for my 3 year old son. He

already knows the alphabet and most of the numbers. I was thinking
of buying Spinnaker's Kindercomp, but I would like to find out about
other possibilities. Channukah is coming soon so fast replies would
be appreciated.

From -4167729398983103021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65fd1839a253c358,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-16 14:31:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxi.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!drutx!druxi!burt
From: burt@druxi.UUCP (SimonB)
Newsgroups: net.micro.apple
Subject: help!
Message-ID: <805@druxi.UUCP>
Date: Fri, 16-Nov-84 17:31:24 EST
Article-I.D.: druxi.805
Posted: Fri Nov 16 17:31:24 1984
Date-Received: Mon, 19-Nov-84 03:29:44 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 13

I have an Apple II+ with 48K and want to run a program that requires
about 50-60K. The program would not run on my system as is. I got a 16K
RAM board, and was able to load the program and attempt to run it.
Unfortunately, the program was written for a IIe, which has built in
up, down, left and right cursur controls on the keyboard. The II+ only
has left and right. To run the program, I need all four. The left and
right work fine, but I can't get the cursur to go up and down. The up and
down controls are in ROM which is zapped by the RAM board. Is there any way
I can get up and down without the built in ROM???

Burt Simon
ihnp4!druxi!burt
303-538-4720

From 5814343289912920286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,86f32e5ac41402dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-20 05:27:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site water.UUCP
Path: utzoo!watmath!water!murlocker
From: murlocker@water.UUCP (murlocker)
Newsgroups: net.micro.apple
Subject: apple ad
Message-ID: <129@water.UUCP>
Date: Tue, 20-Nov-84 08:27:47 EST

Article-I.D.: water.129
Posted: Tue Nov 20 08:27:47 1984
Date-Received: Wed, 21-Nov-84 00:03:15 EST
Organization: U of Waterloo, Ontario
Lines: 13

In this week's Infoworld (Nov 26) apple has an ad that says

"If you're one of the 2,000,000 owners who've made
the Apple II, II+, IIe, and IIc the world's
leading family of personal computers, please
call: 800-862-7753."

Can anyone south of the border tell me what happens if you call? Do you win something? :-)

Thanks

From 253843692539499510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,d25bad64ab31bdd5,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,d25bad64ab31bdd5,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13cc7c,d25bad64ab31bdd5,start
X-Google-Attributes: gid13cc7c,public
X-Google-ArrivalTime: 1984-11-21 04:53:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxe!david1
From: david1@aluxe.UUCP (nelson)
Newsgroups: net.micro.atari,net.kids,net.micro.apple
Subject: Responses to request for software for 3 year old
Message-ID: <530@aluxe.UUCP>
Date: Wed, 21-Nov-84 07:53:52 EST
Article-I.D.: aluxe.530
Posted: Wed Nov 21 07:53:52 1984
Date-Received: Thu, 22-Nov-84 05:43:22 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 48

****
You buy alot of software to do things for your kids on the Atari.
However, you might consider going to the library and getting copies
of Compute or some other magazine that supports Atari. These
magazines have alot of low level programs for education. The fun
thing is to work on the program yourself and have the kid there to
work with you some. I found that I and my kids have had some good
times doing this.
****

I know you didn't ask for advice, but ...

Wait for your son's bar mitzvah to give him computer stuff; let him enjoy
his childhood.
Get him a boxful of puzzles (the old-fashioned wooden kind) better. He can
share them with his friends and learn some social skills; that will serve
him better than the little he'd learn from any 'educational' program.

[Computer literacy is a great big crock, anyway. By the time your son grows

up enough to really need a computer, it won't look like a computer - if it does
it won't do anything useful.].

I may have flamed a little here, but I am serious in the gist of it.

Thank you for listening.

****

My son is 3 like yours (born in 8/81). He knows the letters
and numbers (from Sesame Street no doubt).

I have Kindercomp and Facemaker from Spinnaker and My
Letters, Words and Numbers from Stone. Kindercomp is OK,
none of the games are outstanding, but there are 6 of them,
so it's an overall good value. Facemaker I think is a
little too rigid, but an older child might enjoy the
guessing game part (it's like the game Simon of years gone
by). MLWN is basically introduction to the keyboard with a
cute animated graphic (one for each letter of the alphabet).
I enjoyed it, but it grew stale fairly quickly, though it
did teach my son the keyboard.

I'd be interested in other replies you get.

Dave Kallman
AT&T Technologies
****

From -5644462989073733722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,86f32e5ac41402dc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-23 08:58:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: apple ad
Message-ID: <6028@brl-tgr.ARPA>
Date: Fri, 23-Nov-84 11:58:37 EST

Article-I.D.: brl-tgr.6028
Posted: Fri Nov 23 11:58:37 1984
Date-Received: Sat, 24-Nov-84 20:56:53 EST
References: <129@water.UUCP>
Organization: Ballistic Research Lab
Lines: 6

>   "If you're one of the 2,000,000 owners who've made
>   the Apple II, II+, IIe, and IIc the world's
>   leading family of personal computers, please
>   call: 800-862-7753."

Just a "thank you" recording.

From -588395321232189579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,86f32e5ac41402dc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-23 09:02:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!uok!mpackard
From: mpackard@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: apple ad
Message-ID: <4500009@uok.UUCP>
Date: Fri, 23-Nov-84 12:02:00 EST
Article-I.D.: uok.4500009
Posted: Fri Nov 23 12:02:00 1984
Date-Received: Mon, 26-Nov-84 08:02:18 EST
References: <129@water.UUCP>
Lines: 8
Nf-ID: #R:water:-12900:uok:4500009:37777777600:275
Nf-From: uok!mpackard   Nov 23 11:02:00 1984

<>

I thought they might be doing a recall or offering to give me
my money back. If you call you get a recording of a bunch of
people saying "thankyou". I believe that they are trying to
get rid of excess cash before tax time. The wall street journal
had a full page ad...

From -9166919353538613187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,293630168dc4c0c0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-23 10:35:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site ttds.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!hplabs!hao!seismo!mcvax!enea!ttds!

micke
From: micke@ttds.UUCP (Mikael Gajecki)
Newsgroups: net.micro.apple
Subject: Wanted:Converter between apple dos and cp/m 2.2
                Expires:
Message-ID: <739@ttds.UUCP>
Date: Fri, 23-Nov-84 13:35:23 EST
Article-I.D.: ttds.739
Posted: Fri Nov 23 13:35:23 1984
Date-Received: Wed, 28-Nov-84 03:04:41 EST
Reply-To: micke@ttds.UUCP (Mikael Gajecki)
Organization: The Royal Inst. of Techn., Stockholm
Lines: 6

Hi,is there anyone out there,that has a program that converts apple dos files
to cp/m files??
Please send it with electronic mail to me.
Thanks, ttds!micke

From 3650060594517533881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,51285f4beb6d90d4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-23 17:10:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site amd.UUCP
Path: utzoo!watmath!clyde!amd!jimb
From: jimb@amd.UUCP (Jim Budler)
Newsgroups: net.micro.apple
Subject: Re: Tilde in Macterminal
Message-ID: <628@amd.UUCP>
Date: Fri, 23-Nov-84 20:10:59 EST
Article-I.D.: amd.628
Posted: Fri Nov 23 20:10:59 1984
Date-Received: Sat, 24-Nov-84 02:53:28 EST
References: <emory.1436>
Reply-To: jimb@amd.UUCP (Jim Budler)
Distribution: net
Organization: AMD Applications, Santa Clara, CA
Lines: 32
Summary:

In article <emory.1436> km@emory.UUCP (Ken Mandelberg) writes:
>Does anyone have a patch for macterminal that will make
>it easier to type a ~.

Using Fedit open MacTerminal. In block 7 at position 150 is a row of
16 characters, mostly periods, with four ` and two ~. These sixteen
characters are the table for the ~/`/Esc key. I changed it as follows:

Starting at position 150:

```
     HEX  1B60 7E7E 1B60 7E7E 7E60 7E7E 7E60 7E7E

      ASCII  .`~~.`~~~`~~~`~~
```

The first 1B is the unshifted key.
The second 1B is with caps lock on.

The four ` are the command, caps lock-command, and either option &
command.

Any key combination with the shift key pressed will generate the
tilde.

I renamed the file MacTerm to distinguish it and placed a note in
the get information. Thus I can always spot the modified version.
--

 Jim Budler
 Advanced Micro Devices, Inc.
 (408) 982-6547
 UUCPnet: {ucbvax,decwrl,ihnp4,allegra,intelca}!amd!jimb
 Compuserve: 72415,1200
 The Source: STW265

From -138688463884759662
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c1d7c0e0670bd432,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-25 06:01:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site islenet.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!dual!islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.apple
Subject: Internal Hard Disk for Macintosh
Message-ID: <771@islenet.UUCP>
Date: Sun, 25-Nov-84 09:01:34 EST
Article-I.D.: islenet.771
Posted: Sun Nov 25 09:01:34 1984
Date-Received: Sun, 9-Dec-84 05:37:22 EST
Distribution: net
Organization: Islenet Inc., Honolulu
Lines: 10

Greetings,

Thought you'ld like to know about the internal 10M byte hard disk for the
Macintosh. It's called HYPERDRIVE and is made by General Computing Co.,
Cambridge, Mass.. Their phone number is 800/422-0101 or 617/492-5500.

Cheers,
J Fields
islenet\!jayf

From 64874589770304876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14d0b9,8070d3198fce4c87,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 1622d3,8070d3198fce4c87,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,8070d3198fce4c87,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-11-25 17:03:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!cbosgd!ucbvax!decvax!ittvax!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro,net.micro.apple,fa.info-mac
Subject: Commodore to Mac null modem connection.
Message-ID: <171@qumix.UUCP>
Date: Sun, 25-Nov-84 20:03:38 EST
Article-I.D.: qumix.171
Posted: Sun Nov 25 20:03:38 1984
Date-Received: Tue, 27-Nov-84 03:43:11 EST
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 49

Subject: Commodore to Mac Null modem cable

The first chart below works for connecting a Mac to a Vicmodem. The second chart is a null modem cable for connecting a Mac to a Vic20 or C64. I just got it working. What this does is (1) saves me $471 since I already have a dot matrix printer connected to my Vic (2) saves me $1600 since I can use the Vic to debug Mac SW without buying a 2nd Mac.

-----RS422 (+5 volts line driver/receiver)------

MAC	function	breadboard	VICMODEM (conn. 1)	function
1	ground	ground	1, A	ground
2	+5v	pwr to ic	-----	
4	TXD+ -->	3.3k pullup -->	M	data to modem
5	TXD-	----	----	
6	filtered +12v	----	10	modem power
7	carrier detect<- LS04-6	5 to <-	H	carrier detect

```
   8      RXD+             ----                -----

   9      RXD-  <-- LS04-4 &1k res., 3 to <--  C       data from modem



               back of mac
               -------------
               \ 5 4 3 2 1 /
                \ 9 8 7 6 /
                  --------
```

Null modem cable:

```
 conn. 1          signal         conn. 2 (to CBM)

  1,A              GND            1,A
   M               TXD -->        B,C  (RXD)
   C              <-- RXD          M  (TXD)
   H  to GND     carrier detect    H to GND
```

So now I can type on the CBM keyboard and everything appears on the Mac

```
From 7252463805968165134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fbb76f3a9d8dd02a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,fbb76f3a9d8dd02a,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1984-11-25 19:45:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple,net.lang.c
Subject: Graphics for Aztec C and Apple
Message-ID: <479@ittral.UUCP>
Date: Sun, 25-Nov-84 22:45:30 EST
Article-I.D.: ittral.479
Posted: Sun Nov 25 22:45:30 1984
Date-Received: Tue, 27-Nov-84 03:49:13 EST
Lines: 21
```

[two wrongs don't make a right, but three rights make a left]

I recently bought Aztec C for the Apple and have begun to write some graphics routines. I added lo-res graphics first, since they were easiest, then I started work on the hi-res stuff. Before I spend a lot of time on this has anyone written a graphics library in C for the Apple that they would be willing to share? For those of you who have written graphics routines, did you write them entirely in C or did you use assembly language? If you used only C, how do your routines compare in speed with say the Applesoft ROM routines or the

Turtlegraphics routines from Pascal? I'm really interested in getting
a good graphics library for the Apple running under C, but I don't
want to repeat what someone else has done if I don't have to.

If nobody else has tackled this project and I go ahead and finish my
work, would anyone out there be interested in this sort of thing? I
already have some utility programs that I could post/mail if there's
sufficient interest.

Doug Hall
ittvax!ittral!hall

From 5867139652332635659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82beb05087708f0d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-26 08:33:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site busch.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!we53!busch!gas
From: gas@busch.UUCP (Glen Smith)
Newsgroups: net.micro.apple
Subject: Info on 'PDQ' Apple Bd?
Message-ID: <350@busch.UUCP>
Date: Mon, 26-Nov-84 11:33:15 EST
Article-I.D.: busch.350
Posted: Mon Nov 26 11:33:15 1984
Date-Received: Tue, 27-Nov-84 04:40:54 EST
Organization: Anheuser-Busch Companies - St. Louis Missouri
Lines: 18

<>

Does anyone out there in netland know anything about a board for the AppleII
called the "PDQ Super 32 System?" It is a 68000 coprocessor from a
firm called Enhancement Technology Corp. Given the right options, you can
get enough software for the rest of your natural life. This can include
Unix version 7 (or a facsimile thereof), p-system, CPM w/C compiler, and
lots of other stuff.

Question: Is this for real? Anybody had any experience with this product,
or with any of this company's products?

Thanx in advance for the help.

Glen Smith   ..!ihnp4!we53!busch!gas
Anheuser-Busch Companies   314/577-2686
One Busch Place, Bldg. 202-7
St. Louis, MO 63118

From -4417555699950001495

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6516ea1947bbcdd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-26 10:36:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC830713); site ubu.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!hao!seismo!mcvax!
ukc!qtlon!flame!ubu!tjb
From: tjb@ubu.UUCP (Timothy Bissell)
Newsgroups: net.micro.apple
Subject: Using modems with Pascal
Message-ID: <338@ubu.UUCP>
Date: Mon, 26-Nov-84 13:36:38 EST
Article-I.D.: ubu.338
Posted: Mon Nov 26 13:36:38 1984
Date-Received: Fri, 30-Nov-84 07:39:02 EST
Organization: Computer Science, Warwick University, UK
Lines: 14

..
  Does anyone out there know how to use modems with UCSD Pascal?
It ought to be modem independant, but just for the record I am using
a Pace Mastercard RS-232 card with a Pace Nightingale modem.
  I have tried opening files to 'remin:' and 'remout:' and using
'read's 'write's and 'unitread's and 'unitwrite's but to no effect.
Can you use modems with high-level commands, or do you have to sink
down to machine level?

  Any help would be greatly appreciated,

                              Tim Bissell, University of Warwick
                                 England.
..

From -3908758138695351041
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,c728fefc76dd7c5a,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,c728fefc76dd7c5a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-26 15:47:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!mgnetp!we53!busch!wuphys!wucs!wuibc!etm
From: etm@wuibc.UUCP
Newsgroups: net.micro.apple,net.micro.mac
Subject: request for information
Message-ID: <107@wuibc.UUCP>
Date: Mon, 26-Nov-84 18:47:14 EST
Article-I.D.: wuibc.107
Posted: Mon Nov 26 18:47:14 1984
Date-Received: Tue, 27-Nov-84 04:43:12 EST

Distribution: net
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 26

[]

I'm thinking of purchasing a Fat Mac w/2 drives to use as a software
development system, and I'd like to get some feedback on the feasibility
of such use. In particular:

1. Is the Mac Assembler/Debugger a viable software development tool
   for machine language programming? Has Apple produced a reasonably
   bug-free version, able to handle large source files, with linking
   capability, and so forth?

2. Are there any worthwhile implementations of C available for the Mac?
   (E.g. how do they shape up as regards portability, size limitations
    on source code, Kernighan&Ritchie adherence, etc.)
   I've heard of a Unix C, from Holt/Stanford, which requires a Vax
   to utilize; has anyone had any experience with it? Are any C
   compilers compatible with the Mac Assembler?

I realize some of these questions may be naive, and some may have
already been answered on the net; please bear with me.
I'd appreciate any information, rumors, pointers in the right direction;
please respond by mail to
     ...!ihnp4!wucs!wuibc!etm

Thanks in advance,
Ed Macke

From 6409989918930869542
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,92c163f5e20bf586,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-26 20:18:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site psuvax1.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!psuvax1!fine
From: fine@psuvax1.UUCP (Steve Fine)
Newsgroups: net.micro.apple
Subject: Looking for comments on Transend EasyCom/EasyGo
Message-ID: <1567@psuvax1.UUCP>
Date: Mon, 26-Nov-84 23:18:54 EST
Article-I.D.: psuvax1.1567
Posted: Mon Nov 26 23:18:54 1984
Date-Received: Thu, 29-Nov-84 06:04:04 EST
Distribution: net
Organization: Pennsylvania State Univ.
Lines: 12

Has anyone used Transend EasyCom/EasyGo? If so, what did you

like/dislike about it? How does it compare to other communications
packages you have used?

Please reply by mail. I will post a summary if there is any interest.

Thanks,
Steve Fine

UUCP: {allegra|ihnp4|akgua}!psuvax1!fine
CSNET: fine@penn-state
BITNET: fine@psuvax1

From 4300274608290823948
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,293630168dc4c0c0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-26 20:25:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!genrad!wjh12!talcott!
harvard!seismo!cmcl2!acf4!tsb2988
From: tsb2988@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Wanted:Converter between apple dos a
Message-ID: <12500026@acf4.UUCP>
Date: Mon, 26-Nov-84 23:25:00 EST
Article-I.D.: acf4.12500026
Posted: Mon Nov 26 23:25:00 1984
Date-Received: Thu, 29-Nov-84 06:08:46 EST
References: <739@ttds.UUCP>
Organization: New York University
Lines: 7
Nf-ID: #R:ttds:-73900:acf4:12500026:000:242
Nf-From: acf4!tsb2988   Nov 26 23:25:00 1984

there is a file called "apdos.com" on the apple-cp/m system master. this
this program was written and coppy written
by microsoft, so if you didn't buy your system from them, you are in for some
trouble... where did you get your
cp/m from?

From 6303140648387869540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,6a01ebacaed3b207,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6a01ebacaed3b207,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-27 08:11:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 exptools 1/6/84; site iham1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!iham1!jsk
From: jsk@iham1.UUCP (Jim Kent)
Newsgroups: net.micro,net.micro.apple
Subject: Power line glitch protection
Message-ID: <258@iham1.UUCP>
Date: Tue, 27-Nov-84 11:11:56 EST
Article-I.D.: iham1.258
Posted: Tue Nov 27 11:11:56 1984
Date-Received: Wed, 28-Nov-84 03:44:46 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 18

<>

I have recently been victimized by either a power line and/or telephone
line glitch which took out my modem (Hayes Smarterm 1200) and my serial
card (CCS 7710). Having repaired both, I need advice on protection
devices to prevent a reoccurance. (Murphy says lightening will strike
twice.)

I recall seeing an ad for a power strip that contained filters for
both the power line and the telephone line.

Does anyone out there have knowledge of these protection devices?
Do any of them actually work? I would appreciate any recomendations or advice.

Jim Kent
ih x2289
..!ihnp4!iham1!jsk

From 1829807908270174205
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a5d2c225ebb75af,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-27 12:49:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!zehntel!dual!decwrl!dec-rhea!dec-dosadi!
binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: MacKermit?
Message-ID: <60@decwrl.UUCP>
Date: Tue, 27-Nov-84 15:49:07 EST
Article-I.D.: decwrl.60
Posted: Tue Nov 27 15:49:07 1984
Date-Received: Thu, 29-Nov-84 02:30:54 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 16

I'm a][+ owner, but a friend just bought a Mac and asked me this.

Does anyone know if there is, or if there's going to be, an incarnation of
Kermit for the Mac?

Please reply directly - if there's anything usable, I'll post it to the net.

Thanks.

Cheers,
Dick Binder   ("Beware the Jabberwock, my son!")

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Tuesday 27th November 1984, 15:45 Eastern Standard Time, DOSADI::BINDER

From 8960730389735621669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd65160ac428a428,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-27 13:50:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucdcsp.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcsp!gupta
From: gupta@uiucdcsp.UUCP
Newsgroups: net.micro.apple
Subject: Transporting the Mac Mac
Message-ID: <10300001@uiucdcsp.UUCP>
Date: Tue, 27-Nov-84 16:50:00 EST
Article-I.D.: uiucdcsp.10300001
Posted: Tue Nov 27 16:50:00 1984
Date-Received: Thu, 29-Nov-84 02:44:00 EST
Lines: 16
Nf-ID: #N:uiucdcsp:10300001:000:404
Nf-From: uiucdcsp!gupta   Nov 27 15:50:00 1984

I have a Mac and I want to take it to Australia. Does anyone have
any experience of transporting a Mac on a plane? I want to know:

(1) Is it safe to check-in the Mac (on the plane) using the box
it came in?

(2) Should one buy some special insurance to cover the Mac?

(3) Can one buy a transformer in the USA for using the Mac in
Australia (220 Volts)?

Thank you.

Gopal Gupta (~ihnp4!uiucdcsb)

```
From -2733194650267676148
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c728fefc76dd7c5a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-27 19:24:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.13 $; site iuvax.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!iuvax!wagle
From: wagle@iuvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: request for information
Message-ID: <22200001@iuvax.UUCP>
Date: Tue, 27-Nov-84 22:24:00 EST
Article-I.D.: iuvax.22200001
Posted: Tue Nov 27 22:24:00 1984
Date-Received: Thu, 29-Nov-84 06:22:40 EST
References: <107@wuibc.UUCP>
Lines: 4
Nf-ID: #R:wuibc:-10700:iuvax:22200001:000:53
Nf-From: iuvax!wagle    Nov 27 22:24:00 1984


[what is a line eater?]

  Please respond here also.


From -132697580200087658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9e96d7846e88e9ac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-28 06:03:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!decwrl!dec-rhea!dec-
dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Apple to CP/M converter request - a pirate, perchance?
Message-ID: <74@decwrl.UUCP>
Date: Wed, 28-Nov-84 09:03:19 EST
Article-I.D.: decwrl.74
Posted: Wed Nov 28 09:03:19 1984
Date-Received: Fri, 30-Nov-84 07:20:51 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 20

> Subject: Wanted:Converter between apple dos and cp/m 2.2
> Posted: Fri Nov 23 10:35:23 1984
```

> Hi,is there anyone out there,that has a program that converts apple dos files
> to cp/m files??
> Please send it with electronic mail to me.
> Thanks, [name deleted]

This request looks to me suspiciously like that of an aspiring pirate; if you
have a legit copy of Apple CP/M, then you should have the program called
APDOS, which comes on the Microsoft disk and is described in the Microsoft
documentation.

Cheers,
Dick Binder   ("Beware the Jabberwock, my son!")

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Wednesday 28th November 1984, 09:04 Eastern Standard Time, DOSADI::BINDER

From 987126575759769660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c728fefc76dd7c5a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-28 14:23:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site smu.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!inuxc!pur-ee!uiucdcs!smu!bunnell
From: bunnell@smu.UUCP
Newsgroups: net.micro.apple
Subject: Re: request for information
Message-ID: <31400009@smu.UUCP>
Date: Wed, 28-Nov-84 17:23:00 EST
Article-I.D.: smu.31400009
Posted: Wed Nov 28 17:23:00 1984
Date-Received: Fri, 30-Nov-84 05:39:37 EST
References: <107@wuibc.UUCP>
Lines: 56
Nf-ID: #R:wuibc:-10700:smu:31400009:000:2561
Nf-From: smu!bunnell   Nov 28 16:23:00 1984

/* ---------- "request for information" ---------- */
[]

>>I'm thinking of purchasing a Fat Mac w/2 drives to use as a software
>>development system, and I'd like to get some feedback on the feasibility
>>of such use. In particular:
>>
>>1. Is the Mac Assembler/Debugger a viable software development tool
>>   for machine language programming? Has Apple produced a reasonably
>>   bug-free version, able to handle large source files, with linking
>>   capability, and so forth?
>>

>>2. Are there any worthwhile implementations of C available for the Mac?
>>   (E.g. how do they shape up as regards portability, size limitations
>>   on source code, Kernighan&Ritchie adherence, etc.)
>>   I've heard of a Unix C, from Holt/Stanford, which requires a Vax
>>   to utilize; has anyone had any experience with it? Are any C
>>   compilers compatible with the Mac Assembler?
>>

At Comdex I saw all the C compilers for the Mac and talked to a reviewer doing a review. These are the benchmarks that he had for the sieve program that was in BYTE last year.

	execution speed	file size	compilation/link etc.
Megamax	6.2 (4.17 reg vars)	5k	105
Softworks	7.0	25k	300+
Consulair	10.0	12k	125
Hippo	60+	?	N/A

He had not recieved the Manx compiler yet, but I talked to them and they do not have the capability yet to create a Macintosh type executable file (you must use their shell). The Megamax and the Softworks are the other two K&R compatible versions. The Consulair does not yet have floating point.

The Megamax C compiler has in-line assembler and the compiler produces object code directly. Thus, there is no need for the 68000 developement system. The people at Megamax said that Apples object file format is still under discussion and they will convert to it when it is decided upon. The Megamax C compiler allows dynamic overlays and so I doubt that there is any problem with compiling very big programs. Also it is the only compiler out yet that has a librarian and the ability of the linker to link in just the routines that are called (this explains the small code size).

I don't know their address but Megamax's phone number is (214) 987-4931

/* End of text from smu:net.micro.apple *

From 345844056604055774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,6a01ebacaed3b207
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6a01ebacaed3b207
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-28 19:16:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site invest.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihnp3!invest!gef
From: gef@invest.UUCP (Gene E. Fowler)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Power line glitch protection
Message-ID: <139@invest.UUCP>
Date: Wed, 28-Nov-84 22:16:02 EST
Article-I.D.: invest.139
Posted: Wed Nov 28 22:16:02 1984
Date-Received: Fri, 30-Nov-84 04:43:30 EST
References: <258@iham1.UUCP>
Organization: Investment Futures, Glen Ellyn Il.
Lines: 11

If your modem gets zaped by glitches, check that protector block where the telephone line comes in is properly grounded and that the carbon blocks are in good shape. Inspect the blocks by removing the two bolts on the protector that appear to do nothing.

After having lost two modems to lightning this way, I found that the Telco did not ground the protector when my phone line was installed. Ameritech did reimburse me (after a bit of a delay) for the modem repair charges.

Gene Fowler
ihnp4!invest!gef

From 721515192836659134
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b5c496d77bfef3dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-29 06:09:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!harpo!decvax!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple CPM to DOS converter
Message-ID: <3507@ecsvax.UUCP>
Date: Thu, 29-Nov-84 09:09:50 EST
Article-I.D.: ecsvax.3507
Posted: Thu Nov 29 09:09:50 1984
Date-Received: Sat, 1-Dec-84 20:28:06 EST
Lines: 19

I find it amazing how many people jump to the conclusion of assumed piracy as the result of a simple request. There are *several* flavors of Apple CPM. Microsoft is only one of them. Yes, many of them probably do come with an Apple DOS-to-CPM conversion utility. My Z-80 card, made by PCPI, marketed by MICROPRO, CPM by Digital Research, also includes such a utility. I would imagine that this is not universally the case. I seem to recall that some 3rd party Z-80 cards come pretty bare-bones. I do not think that DR makes a CPM-DOS utility a standard part of the CPM OS it sells

. This would leave it up to the 3rd party licensee to provide such utilities. Not all do. Didn't DEC fail to provide a disk formatting utility when the Rainbow first came out? Besides, why would a "pirate" copy only part on the CPM system disk when other utilities are sitting there waiting to be "plundered"?

   As to the requestor, I believe that InCider magazine published the listing of such a utility sometime in 1983. I'm sure there are other public domain sources as well.

Paul M. Hudy <egapmh@ecsvax>

From 1941638571808327208
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 152df8,5ec8e921a3427120,start
X-Google-Attributes: gid152df8,public
X-Google-Thread: 1622d3,5ec8e921a3427120,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-29 08:27:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 Fluke 8/7/84; site fluke.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!fluke!moriarty
From: moriarty@fluke.UUCP (Jeff Meyer)
Newsgroups: net.micro.mac,net.micro.apple
Subject: Mackworks on Lisa query -- Imagewriter problem
Message-ID: <75@vax2.fluke.UUCP>
Date: Thu, 29-Nov-84 11:27:59 EST
Article-I.D.: vax2.75
Posted: Thu Nov 29 11:27:59 1984
Date-Received: Sun, 2-Dec-84 03:19:18 EST
Distribution: net
Organization: John Fluke Mfg. Co., Everett, WA
Lines: 19

A friend of mine just bought a Lisa 2/10 to run Unix on; however, with the Lisa he also got a copy of Macworks. It seems to run with no problems, but he is so far unable to get anything to print via Macworks on his Imagewriter. The manual always points to the Lisa's "preferences" Icon, but of course this is non-existant on this system, as there is no Lisa Op system. Does anyone know of a way to set the printer specifics in Macworks; or, for that matter, how does one tell a standard Macintosh that it has a letter-quality (i.e. non-dot-matrix printer) connected to it? All advice gratefully accepted.

"Dammit, man, that's unprofessional! A good bartender laughs anyway!"

Moriarty, aka Jeff Meyer
John Fluke Mfg. Co., Inc.
UUCP:
{cornell,decvax,ihnp4,sdcsvax,tektronix,utcsrgv}!uw-beaver \
   {allegra,gatech!sb1,hplabs!lbl-csam,decwrl!sun,ssc-vax} -- !fluke!moriarty
ARPA:

fluke!moriarty@uw-beaver.ARPA

From -1100330268973022741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,296f0465d0198362,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-29 16:34:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxb.UUCP
Path: utzoo!watmath!clyde!cbosgd!ihnp4!ihuxb!jphalter
From: jphalter@ihuxb.UUCP (J. Halter)
Newsgroups: net.micro.apple
Subject: Source, Dow Jones, Compuserve
Message-ID: <892@ihuxb.UUCP>
Date: Thu, 29-Nov-84 19:34:32 EST
Article-I.D.: ihuxb.892
Posted: Thu Nov 29 19:34:32 1984
Date-Received: Fri, 30-Nov-84 07:54:10 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 5

Does anybody out there know the cost per minute of the various dial-up
services and the general quality of each. My impression is that for
most home computer users, these services can be very costly (like .5-1$ per min)
so that a typical session (1/2 hour can cost you $15-20 bucks). I need this info
for Christmas so any help on this would be appreciated.

From 8245966589151731257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5d7f28d31fa96d46,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5d7f28d31fa96d46,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-29 21:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple,net.micro
Subject: Does anybody have a copy of the Apple Tech Notes put out by the
International Apple Core
Message-ID: <477@sftig.UUCP>
Date: Fri, 30-Nov-84 00:04:00 EST
Article-I.D.: sftig.477
Posted: Fri Nov 30 00:04:00 1984
Date-Received: Sat, 1-Dec-84 19:23:10 EST
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 46

| Re -- Anybody have a copy of the Apple tech notes from Intl Apple Core ?
|
| I would be interested to get my hands on the pin designations for each of
| the expansion slots. I want to do some D/A stuff but want to build my
| own interface (half the fun). However, I don't want to pay apple for my
| own work and besides it seems no one carries tech manuals like that since
| "no one makes their own hardware."
| Grrrrrrrr.
|
| -From the padded terminal of ><..!decvax!ittvax!sii!dmcnh!gts

Thanks for the offer. What I really need is the schematics and
listing of the rom firmware for the extended 80 column COLOR card.
The one with the RGB monitor interface and the double hi-res graphics
firm/hard-ware.

But I would also like to have as much technical information about the
guts of my Apple as I can get. Hence the request for the tech notes
published by the International Apple Core group.

Incidentally, the pin designations for the expansion slots are given
in the 'Apple II Reference Manual (For the //e only)' Apple
Publicataion number 030-0357-A.

This manual is very good. It gives an excellent and very technical
description of just about everything you could want to know about the
base //e hardware and firmware. It is also likely to be the last
manual that Apple will be publishing in the
'old' style, with circuit diagrams and rom listings and details about
how the hardware accomplishes its magic. All new manuals will
probably be in the style of the 'Extended 80-Column Text/AppleColor
Adapter Card' manual, which tells you how to use it, but not how it
works. This speculation I got from talking to a very nice person at
Apple customer assistance in Cupertino. Her reason for saying this
was that (she said) "There are so many good books and magazine articles
being published nowadays on those subjects, that we think you should
be getting that kind of information from them, instead of us."
You can draw your own conclusions. I just report the facts as I hear
them.

Thanks!

Rick Thomas
ihnp4!btlunix!rbt

From 2041502086810191700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9e96d7846e88e9ac
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-11-30 00:31:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.2 9/18/84; site ames.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!ames!barry
From: barry@ames.UUCP (Kenn Barry)
Newsgroups: net.micro.apple
Subject: Re: Apple to CP/M converter request - a pirate, perchance?
Message-ID: <660@ames.UUCP>
Date: Fri, 30-Nov-84 03:31:45 EST
Article-I.D.: ames.660
Posted: Fri Nov 30 03:31:45 1984
Date-Received: Sun, 2-Dec-84 03:38:58 EST
References: <74@decwrl.UUCP>
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 29

[]
>> Subject: Wanted:Converter between apple dos and cp/m 2.2
>> Posted: Fri Nov 23 10:35:23 1984
>
>> Hi,is there anyone out there,that has a program that converts apple dos files
>> to cp/m files??
>> Please send it with electronic mail to me.
>> Thanks, [name deleted]
>
> This request looks to me suspiciously like that of an aspiring pirate; if you
> have a legit copy of Apple CP/M, then you should have the program called
> APDOS, which comes on the Microsoft disk and is described in the Microsoft
> documentation.
>
> Cheers,
> Dick Binder   ("Beware the Jabberwock, my son!")

     Yours is the second message I've seen jumping to this conclusion.
There are a number of other companies that market (legitimate) lookalikes
of Microsoft's Softcard. What software comes with them likely varies
a lot. This person may well have purchased a card that included CP/M,
but not a file conversion program. I see no reason to assume piracy.

- From the Crow's Nest -   Kenn Barry
                                              NASA-Ames Research Center
                                              Moffett Field, CA

     USENET: {dual,hao,menlo70,hplabs}!ames!barry
     SOURCE: ST7891

From -5532351018522563536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,c9a5412ffbfabb4d,start
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 11d441,c9a5412ffbfabb4d,start
X-Google-Attributes: gid11d441,public
X-Google-Thread: 1622d3,c9a5412ffbfabb4d,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-11 11:27:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP
Newsgroups: micro.apple,micro.cpm,net.micro.apple
Subject: Microsoft A.L.D.S.
Message-ID: <3373@ecsvax.UUCP>
Date: Thu, 11-Oct-84 14:27:32 EDT
Article-I.D.: ecsvax.3373
Posted: Thu Oct 11 14:27:32 1984
Date-Received: Sat, 13-Oct-84 02:58:54 EDT
Lines: 10

Does anyone know if the Microsoft Assembly Language Development System (A.L.D.S.) works with a PCPI Applicard (running in a Franklin)? If not, can anyone recommend Z-80 macro-assembler package that does? Also, I have heard that the ALDS will accept Wordstar text (nondoc mode) without gagging. Is this true?

thanks

Paul <egapmh@ecsvax>

From -3829036980812761249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e746f6e8ecc1b2ce
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14d0b9,e746f6e8ecc1b2ce
X-Google-Attributes: gid14d0b9,public
X-Google-ArrivalTime: 1984-10-11 14:52:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bbncca.ARPA
Path: utzoo!linus!bbncca!msimpson
From: msimpson@bbncca.ARPA (Mike Simpson)
Newsgroups: fa.info-mac,net.micro.apple
Subject: Re: Mac upgrade
Message-ID: <1004@bbncca.ARPA>
Date: Thu, 11-Oct-84 17:52:48 EDT
Article-I.D.: bbncca.1004
Posted: Thu Oct 11 17:52:48 1984
Date-Received: Fri, 12-Oct-84 06:12:33 EDT
References: <1018@hou5e.UUCP>
Reply-To: msimpson@bbncca.UUCP (Mike Simpson)
Followup-To: <1018@hou5e.UUCP>
Distribution: fa.info-mac,net.micro.apple
Organization: Bolt, Beranek and Newman, Cambridge, Ma.
Lines: 18
Keywords: upgrade, 128K, 512K, Fat Mac

Irwin Walkenfeld (hou5e!ihw) has asked about getting the

'freebies' if you purchase a 128K Mac (a Lean Mac, perhaps?) and
then upgrade to a Fat Mac.

     If memory serves me correctly, the 'freebies' of MacDraw
and MacProject were available only to those users who purchased
their 128K Macs before September 10, 1984 (when Apple announced
their price drop).

--
-- don't shoot me, I'm only the piano player!

   Mike Simpson, BBN
   msimpson@bbnccf (ARPA)
   {decvax,ihnp4,ima,linus,masscomp,sunybcs,wjh12}!bbncca!msimpson (Usenet)
   617-497-2819 (Ma Bell)

From 5342648456703880075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ccffa2cbe154a18e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-11 16:03:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Need help on sumacc? where's fswrite
Message-ID: <486@oddjob.UChicago.UUCP>
Date: Thu, 11-Oct-84 19:03:56 EDT
Article-I.D.: oddjob.486
Posted: Thu Oct 11 19:03:56 1984
Date-Received: Sat, 13-Oct-84 06:19:43 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 7

Help, I'm trying to compile some mac applications under sumacc
and I keep getting an error from cc68 that fswrite is undefined.(?)
Can anyone enlighten me as to what's wrong. I've installed sumacc
as perscribed in sumacc.ms. Thanks in advance.

Sean Casey   ...ihnp4!oddjob!sean

From 6115113521201362927
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23482e4febd28bb1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 07:03:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-

H:ag4
From: ag4@pucc-h (Uncle Jeffer)
Newsgroups: net.micro.apple
Subject: Apple advertising
Message-ID: <1346@pucc-h>
Date: Fri, 12-Oct-84 10:03:24 EDT
Article-I.D.: pucc-h.1346
Posted: Fri Oct 12 10:03:24 1984
Date-Received: Sun, 14-Oct-84 06:42:50 EDT
Organization: The Widget Works
Lines: 10

Does anybody else out there think that Apple is making a BIG mistake with
their buyout of all the advertising space in the election week issue of
Newsweek? (I got the magazine right, didn't I?) I just get this nasty
image of many thousands of newsweek readers throwing down their magazine
in disgust because they've had it up to here with cute Apple ads. Needless
to say, not good for PR.

--
Jeff Lewis   vvvvvvvvvvvv
{decvax|ucbvax|allegra|seismo|harpo|teklabs|ihnp4}!pur-ee!lewie

From 7692489802762184565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a1a2d0ff38b87028,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 12:15:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site cca.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!harvard!wjh12!genrad!decvax!cca!
rmeyer
From: rmeyer@cca.UUCP (Richard Meyer)
Newsgroups: net.micro.apple
Subject: Microsoft ALDS
Message-ID: <570@cca.UUCP>
Date: Fri, 12-Oct-84 15:15:14 EDT
Article-I.D.: cca.570
Posted: Fri Oct 12 15:15:14 1984
Date-Received: Sun, 14-Oct-84 05:02:45 EDT
Organization: Computer Corp America, Cambridge
Lines: 4

It is indeed possible to assemble source prepared with Wordstar in non-document
mode (I am using both products).
Can't comment on the APPLICARD question.
.

From 1151847746512177389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 12:15:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eagle.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!eagle!adrian
From: adrian@eagle.UUCP (A.Freed)
Newsgroups: net.micro.apple
Subject: Re: Greedy Apples
Message-ID: <1221@eagle.UUCP>
Date: Fri, 12-Oct-84 15:15:33 EDT
Article-I.D.: eagle.1221
Posted: Fri Oct 12 15:15:33 1984
Date-Received: Sat, 13-Oct-84 07:30:19 EDT
References: <1114@zeppo.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 19

>
>
>   I tend to agree that Apple Computer Corp. is doing what any person
> would do. It is charging the higest price the market will bear. After all
> they are'nt in business to benefit mankind. Greedy captialist pigs and all
> that.
>   However $ 995 for the 512K upgrade is quite steep. I have read that
> 256K DRAMS go for around $ 20 a piece. Let's see that 512K = 16 chips X 20
> bucks = $320. Add another 15 for the board and maybe 60 for the glue chips,
> pullups and caps and the price goes up to $ 400 bucks. Add 125% markup and
> you have the $995 cost all accounted for. A similar tale can be told for
> hard disk drives - OEM price around $400, Retail price $ 1995.
Companies have a multiplier to get from cost price to retail price.
Typically this number is around THREE. I think it must be around this for
Apple too. There are a number of middle-persons in the process. Try
buying directly from the factory.

I am new to the country. I cannot believe how naive people are about
capitalism.

From -1499902677252670384
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7e2e2bdcecda791,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 13:23:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP
Newsgroups: net.micro.apple
Subject: Apple][c Recall!
Message-ID: <246@ssc-bee.UUCP>
Date: Fri, 12-Oct-84 16:23:37 EDT
Article-I.D.: ssc-bee.246

Posted: Fri Oct 12 16:23:37 1984
Date-Received: Tue, 16-Oct-84 06:19:23 EDT
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 11

[will this be 1 of 20 similar announcements?]

According to EE Times, Oct. 8 issue, Apple is recalling
the][c. Apple admits the modem port timing error and
will authorize system-board swaps at local computer
dealers >>> IF <<< you can prove you need it. Apple
will begin shipping redesigned][c's soon.
--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -9007202682149015415
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae273b99e5218a5f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 14:27:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Public Domain Software wanted
Message-ID: <12500014@acf4.UUCP>
Date: Fri, 12-Oct-84 17:27:00 EDT
Article-I.D.: acf4.12500014
Posted: Fri Oct 12 17:27:00 1984
Date-Received: Sun, 14-Oct-84 04:42:29 EDT
References: <2611@harpo.UUCP>
Organization: New York University
Lines: 14
Nf-ID: #R:harpo:-261100:acf4:12500014:000:314
Nf-From: acf4!spector Oct 12 17:27:00 1984

I have the StartTrtek,...if you send me a disk and return postage I will
be glad to give you a copy....

David HM Spector
Courant Institute of Mathematical Sciences
NYU/acf Systems Group
251 Mercer St., Rm 329
New York, NY 10023

ApraNET: SPECTOR@NYU-CMCL1.ARPA
uucpNET: ...!allegra!cmcl2!cmcl1!spector

From 8610308967982325345
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 14:32:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop
Message-ID: <12500015@acf4.UUCP>
Date: Fri, 12-Oct-84 17:32:00 EDT
Article-I.D.: acf4.12500015
Posted: Fri Oct 12 17:32:00 1984
Date-Received: Sun, 14-Oct-84 04:42:44 EDT
References: <-220000@fortune.UUCP>
Organization: New York University
Lines: 22
Nf-ID: #R:fortune:22000006:acf4:12500015:000:526
Nf-From: acf4!spector   Oct 12 17:32:00 1984

According to Dan Cochran, on compuserve, there will be a product announcement
on the 15th or 16th of October, so we shall see..

Any bets?

The way I see it, its one of 3 things...

1) Hard Disks
2) 800K Double sided MicroDisks
3) The Infamous Apple Laser Printer.

(Personally I hope its Hard disks, which means there should be a new version
of the finder...:-)

David HM Spector
NYU/acf Systems Group
251 Mercer St.
NY, NY 10012

ArpaNet: Spector@NYU-CMCL1.ARPA
uucpNET: ...!allegra!cmcl2!cmcl1!spector

From -3082494693227618535
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d0fa11d0f6d8d854

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 14:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Looking for macget/macput
Message-ID: <12500016@acf4.UUCP>
Date: Fri, 12-Oct-84 17:39:00 EDT
Article-I.D.: acf4.12500016
Posted: Fri Oct 12 17:39:00 1984
Date-Received: Sun, 14-Oct-84 04:42:58 EDT
References: <300@inuxh.UUCP>
Organization: New York University
Lines: 9
Nf-ID: #R:inuxh:-30000:acf4:12500016:000:198
Nf-From: acf4!spector   Oct 12 17:39:00 1984

If you send me your complete path, I'll send you the sources and
manual pages...

              David HM Spector
              NYU/acf Systems Group.

     Arpa: SPECTOR@NYU-CMCL1
     UUCP: ...!allegra!cmcl2!cmcl1!spector

From 8188595953257451857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f7190b1f223edaa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-12 19:29:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!mcnc!ecsvax!
cjl
From: cjl@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: High Density Floppies
Message-ID: <3378@ecsvax.UUCP>
Date: Fri, 12-Oct-84 22:29:35 EDT
Article-I.D.: ecsvax.3378
Posted: Fri Oct 12 22:29:35 1984
Date-Received: Sun, 14-Oct-84 08:17:34 EDT
Lines: 21

One solution to the need for greater than 140K storage is the 8" drive.
Vista and Sorrento Valley Assoc. both make nice controller cards that
allow the use of two single or double sided drives in single or double
density. This translates to approx. 2.4Megabytes on two DSDD drives-

online. Both cards allow use under DOS 3.3, CP/M, and Pascal. The
biggest drawback is the size of the 8" drives. BUT-

Shugart has just released the SA475 disk drive for sale to the general
OEM market (IBM has had it for a while). This is a 5.25" half-height
drive that is electicaly an 8" DSDD drive. That's right- 1.2Meg in
half the space of your Apple Disk II drive... 2.4 Meg in the same space.
If the drive really does interface EXACTLY like an SA851, then the
aforementioned controller boards could be used to make a neat package.
Shugart has announced the SA475 price to be "less than $200 in quantity"
so the drive should sell for around $300 in small quantity.

Hmmm...

-Charles J. Lord
cjl@ecsvax

From 4505814858624599815
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-13 22:30:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!dcdwest!ittvax!decvax!tektronix!uw-beaver!uw-june!furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop - (nf)
Message-ID: <1839@uw-june>
Date: Sun, 14-Oct-84 01:30:48 EDT
Article-I.D.: uw-june.1839
Posted: Sun Oct 14 01:30:48 1984
Date-Received: Wed, 10-Oct-84 05:34:39 EDT
References: <4431@fortune.UUCP>
Organization: U of Washington Computer Science
Lines: 6

I swear, this "insanely great" printer has been causing an incredible amount
of discussion for an unannounced product (see fa.laser-lovers for occasional
hints, for example). Anyone have any news about when and how Apple actually
plans to announce it?

--Rick

From -5767432793457768606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-14 04:03:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Memory size and the PDP-8
Message-ID: <5273@brl-tgr.ARPA>
Date: Sun, 14-Oct-84 07:03:01 EDT
Article-I.D.: brl-tgr.5273
Posted: Sun Oct 14 07:03:01 1984
Date-Received: Tue, 16-Oct-84 03:27:44 EDT
References: <515@nmtvax.UUCP> <141@cadovax.UUCP> <53@redwood.UUCP>,
<1385@ihuxl.UUCP>
Organization: Ballistics Research Lab
Lines: 2

That's nothing; I used to solve real problems by thinking about them.
That was before computers made thought unnecessary, of course. :-)

From 6754246431418873684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,42ba6ae1b8b4684d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-14 09:32:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site bnl.UUCP
Path: utzoo!linus!philabs!sbcs!bnl!mbeck
From: mbeck@bnl.UUCP (Mark Becker)
Newsgroups: net.micro.apple
Subject: Recommendations wanted for 80-column cards for Apple II+
Message-ID: <700@bnl.UUCP>
Date: Sun, 14-Oct-84 12:32:43 EDT
Article-I.D.: bnl.700
Posted: Sun Oct 14 12:32:43 1984
Date-Received: Fri, 19-Oct-84 02:06:28 EDT
Lines: 21

[Looks like the first one didn't get out, lets try again...]
Hello NetLand -

     I'm looking for recommendations for an 80 column card to
go into an Apple II+. I've looked in the magazines and find at
least three makers but no information as to what features each has
over the others.

     While color isn't necessary, a good solid (and steady!) B&W
display is. I presume that descenders on characters (g, j, p,
q, and y) are now standard?

     Your comments are invited.

Please use mail - if there is interest, I'll summarize to the net.

Thanks in advance.

Mark Becker
...sbcs!bnl!mbeck

From -5931618142288317044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b3d00cec58df82df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-14 19:13:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!POLARIS@USC-ISI.ARPA
From: POLARIS@USC-ISI.ARPA
Newsgroups: net.micro.apple
Subject: AE Z-80 Problems
Message-ID: <13093@sri-arpa.UUCP>
Date: Sun, 14-Oct-84 22:13:00 EDT
Article-I.D.: sri-arpa.13093
Posted: Sun Oct 14 22:13:00 1984
Date-Received: Wed, 17-Oct-84 05:17:35 EDT
Lines: 15

Unfortunatly I have found out that all Apples are not created equal. I have been unable to get an Applied Engineering Z-80 Plus board working on my system. AE has been very supportive. They have sent me 2 cards but neither one worked consistantly. It appears to me to be a timing problem between the Z-80 Plus and the 16K card. I have an II + with an MPC 16K card. Several dealers have told me that this is not an uncommon problem. Has anyone out there solved a simular problem. Any suggestions? If there are enough responses I will post the findings to the net.

Gene Cartier
ARPA: POLARIS@usUSC-ISI.ARPA
BELL: (703)527-7333
USPS: Polaris Inc,1400 Wilson Blvd,Suite 1100, Arlington VA 22209

From 5533854425820619976
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c34369066eeec9e2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-14 22:01:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)

Newsgroups: net.micro.apple
Subject: Softworks 'C'
Message-ID: <1197@hao.UUCP>
Date: Mon, 15-Oct-84 01:01:35 EDT
Article-I.D.: hao.1197
Posted: Mon Oct 15 01:01:35 1984
Date-Received: Wed, 10-Oct-84 06:13:59 EDT
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 33

For those who are wondering about Softworks 'C', I offer the following:

There is no way possible to edit, compile, assemble and link a program
without going to the finder and copying a file from one disk to
another.

The compiler gives error messages by line number but there is no way,
short of counting from the top, of finding line numbers in a file.

I paid four hundred dollars and got a "pre-release" version. To get
the released version, you will have to pay extra.

Printf does not know anything about windows. It sticks the text on the
screen, like a "normal" computer, no matter what else is there.

I was not able to use "create" to create a file. This may be because
I gave up early and used the toolbox version. Great for portability.

You must use the Apple linker, which has no library look-up ability.
If you want to use a routine that is in a file, you get the whole file
in your program. The "hello world" program is huge.

There is no documentation telling what routines are in which files.

It is a version of Whitesmiths.

Other than that, it's great.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -4218624340323440469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ece1fcbb31ed2e5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 00:41:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!islenet!jayf
From: jayf@islenet.UUCP (Jay Fields)
Newsgroups: net.micro.apple
Subject: Re: High density floppy advice? (reposting)
Message-ID: <671@islenet.UUCP>
Date: Mon, 15-Oct-84 03:41:27 EDT
Article-I.D.: islenet.671
Posted: Mon Oct 15 03:41:27 1984
Date-Received: Wed, 10-Oct-84 04:23:23 EDT
References: <232@ssc-bee.UUCP>
Organization: Islenet Inc., Honolulu
Lines: 6

Seems to me that Apple might be about to release some new fantastic
product, therefore the advertising buyout. Since Apple stock is down
around the 27 mark it might be a good time to buy into the roller coaster.
aloha
j

From 329318433665555058
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,272f74c2d114e2bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 01:53:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Pucc-I:ag5
From: ag5@pucc-i (Henry C. Mensch)
Newsgroups: net.micro.apple
Subject: Help!
Message-ID: <671@pucc-i>
Date: Mon, 15-Oct-84 04:53:03 EDT
Article-I.D.: pucc-i.671
Posted: Mon Oct 15 04:53:03 1984
Date-Received: Tue, 16-Oct-84 06:52:03 EDT
Organization: The Restaurant at the End of the Universe
Lines: 11

<<>>

     I need help finding documentation for DOS
     Tool Kit assembler. I have the DOS Tool Kit
        document but it dosen't have the part I need.
     If anyone can help me I would be thankful.

               Please reply to
               ihnp4!pucc-i!afd
               *NOT TO THE ADDRESS AT THE END
                OF THE PATH IN THE HEADER!*

From -4851352496898622722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ecf4b27e139fef8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 07:59:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!zehntel!dual!
decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Request for help with ProDOS
Message-ID: <3915@decwrl.UUCP>
Date: Mon, 15-Oct-84 10:59:33 EDT
Article-I.D.: decwrl.3915
Posted: Mon Oct 15 10:59:33 1984
Date-Received: Tue, 16-Oct-84 08:03:48 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 32

I purchased a copy of ProDOS this weekend, and I have a question for the
net.

Will ProDOS really work only on a real Apple][+ or //x with a real
Apple disk controller? It fails to boot on at least some other makers'
"compatible" computers (mine among them). As nearly as I can test the
failure, it is that ProDOS looks for something in the monitor ROM when
it boots, and it hangs with its Apple copyright message on the screen if
all isn't to its liking. There may also be other checks - I think I
recall someone's having said something about the ROM in the disk
controller, but mine is authentic.

Now why would Apple display such a stupid turn of mind as to make ProDOS
behave in this way? Sure, there have been copyright infringements on
the Apple][series, but making ProDOS refuse to boot on competitive
machines is the surest way to guarantee a loss of sales. With the easy
availability of PROM blasters, it's nothing for a "compatible" owner to
borrow an Apple monitor ROM and get it copied, which is what I did to
solve the problem, but I'd venture a guess that a lot of owners will do
so only if there is a FREE copy of ProDOS waiting, with the net result
that Apple loses sales and causes ill will, too.

The bottom line is, does anyone know of any patch I can make to ProDOS
so that it will boot on a non-Apple machine?

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Monday 15th October 1984, 11:06 EDT by DOSADI::BINDER

From -1460864776600437608
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,d09f16b62a4118f6,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 129c11,d09f16b62a4118f6,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d09f16b62a4118f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 10:04:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:aam
From: aam@pucc-h (Dwight McKay)
Newsgroups: net.micro,net.micro.apple,net.micro.68k
Subject: UNIX on Lisa : Summary of replys (Long)
Message-ID: <1354@pucc-h>
Date: Mon, 15-Oct-84 13:04:40 EDT
Article-I.D.: pucc-h.1354
Posted: Mon Oct 15 13:04:40 1984
Date-Received: Wed, 17-Oct-84 05:44:10 EDT
Organization: Purdue University Computing Center
Lines: 98

(* bug-buster *)

Here's an editted summary of the few replys I've gotten to my query about UNIX for Apple's Lisa. It is being posted to several groups because: 1) I was asked to post it to that group (net.micro) 2) I feel (I can see the flames already) it belongs in the group (68K, apple, apple32).

My original question was two fold: 1) What's available? 2) How well does it support the Lisa hardware (bit-map, mouse, etc.) Along the way I've gotten some useful info on the hardware requirements as well.

First, there seem to be two choices, a release of XENIX from The Santa Cruz Operation and a release of System V from UniPress (it's really the UniSoft 68k port they (UniPress) says). I got a reply from SCO which makes their product sound pretty nice, some highlights were:

From: ihnp4!amd!sco!dwight
Subject: UniPress System V for Lisa, reviews?
...

> Granted, XENIX is System III and not System V. However, we have a very full package for it (including a LAN, in the full standard package). From the comments that we're recieving from customers, they are very pleased with not only the quality of the software, and it's spectrum, but also with the level of support that we offer.
>
> Ignoring my obvious bias for our XENIX, I personally believe that it's the best UNIX implementation availible for the lisa, especially when one considers all that we

> have to offer for it.
>
> As I mentioned earlier, I do all of my development directly on the Lisa. I think that the Lisa is an outstanding workstation environment. And I've found that the multi-screen capability of our XENIX makes it into an incredibly powerful tool.

We support the Lisa 2. I believe that we currently ship with just the profile disks (both 5 and 10 mb). However, support will be availible in the near future for running some of the other hard disk systems that are around.

Personally, if I were buying one, I'd stay away from the Apple Profile disks. They are *slow*. One can get a reasonable amount of work done; but there are times when it gets a little frustrating. You should really play around with one for yourself and see how you like the feel of it.

For a low-cost disk system, with a reasonable amount of response time and storage, the disks like the Sunol and the Corvus come to mind. These run about $2-3K, and are much better than the Profile. Check with our marketing departments about the specifics of availibility. The address is below. Xenix on the Lisa is pretty hot, with a lot of software thrown in. Check out the multi-screen capability, as it makes backgrounding obsolete.

Dwight also included the address of SCO where he says folks should write for further information, etc. It is:

> SCO
> 500 Chestnut St.
> Santa Cruz, Calif
> 95061
> (408)425-7222

UniPress also replied. They were a bit more terse and had this to say:

From: Mike Gallaher <ucbvax!allegra!sunrise!unipress!mg>
Subject: Re: UniPress System V for Lisa, reviews?

"UniPress UNIX" is really the UniSoft 68K port of System V. It contains the full SysV distribution minus stuff like online manuals and accounting software (they are there, but do not fit on the disk). We don't have Lisp, but we do have lots of other stuff like Emacs. It is not stripped down, a la Radio Shack. Performance is about what you would expect from a 1 Meg 68K at 5 MHz (it's not a Sun!) but it is OK for one or two users. The bit map is accessible through the phys sys call, and the mouse is accessible through /dev/mouse. This is not a bad choice at university discounts.

Commentary (my own opinion on the above):
    I was surpirised how few responces I got (six, two of them from SCO, two asking me to post results.). I guess few folks are using Lisa's to run UNIX and have a net connection.
    The XENIX release from SCO sounds well supported but I've got a bais against XENIX, although I wish someone else out there could give me another glowing report. I'm almost tempted to get it. I'm not happy with the System V report, although I'd like to try it out and compare it with XENIX in terms of performance.
    Me? Well, I'm still getting the money together for the Lisa to run all this nice stuff so I'm going to keep on researching this. I hope this helps inform those of you who were interested enough to read this lengthy reply. Thanks. -Dwight McKay

--
-- Dwight McKay, PUCC user services
-- {decvax|harpo|ihnp4|inuxc|seismo|ucbvax}!pur-ee!Pucc-H:aam
-- "Are we having fun now?"

From -7905475642630382775
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,450d70c754ced3d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 15:23:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bmcg.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!bmcg!mikel
From: mikel@bmcg.UUCP
Newsgroups: net.micro.apple
Subject: Where to get "Inside Mac"
Message-ID: <1441@bmcg.UUCP>
Date: Mon, 15-Oct-84 18:23:12 EDT
Article-I.D.: bmcg.1441
Posted: Mon Oct 15 18:23:12 1984
Date-Received: Wed, 17-Oct-84 04:57:05 EDT
Organization: Burroughs Corporation, San Diego
Lines: 26

[Row, row, row your bits, gently down the stream...]

A number of people have asked where to get Apples "Inside Mac" document. Here is the address and phone number were it can be purchased. Also "Software Supplement" should be purchased because it has updates to Inside Mac. You don't have to be a software to purchase these documents.

Inside Mac $150
Software Supplement $100
Include State tax if in CA.

Mail check only (no PO's) to:

Apple Computers

467 Saratoga Ave., Ste. 621
San Jose, CA 95129

Telephone: 408-988-6009 (Company answers IDI)

I have the two above items on order. If you want my comments when received,
mail me a note to that effect. Happy MacIng!

Mike Lesher
Burroughs ASG, San Diego, CA.
(..!bmcg!mikel)

From -432286935829249820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,450d70c754ced3d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 15:36:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bmcg.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!bmcg!mikel
From: mikel@bmcg.UUCP
Newsgroups: net.micro.apple
Subject: Where to get "Inside Mac"
Message-ID: <1443@bmcg.UUCP>
Date: Mon, 15-Oct-84 18:36:27 EDT
Article-I.D.: bmcg.1443
Posted: Mon Oct 15 18:36:27 1984
Date-Received: Wed, 17-Oct-84 04:57:20 EDT
Organization: Burroughs Corporation, San Diego
Lines: 26

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Mike Lesher
Burroughs ASG, San Diego, CA.
(..!bmcg!mikel)

From -3819101857878730435
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,450d70c754ced3d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 15:40:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site bmcg.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!bmcg!mikel
From: mikel@bmcg.UUCP
Newsgroups: net.micro.apple
Subject: Where to get "Inside Mac"
Message-ID: <1447@bmcg.UUCP>
Date: Mon, 15-Oct-84 18:40:04 EDT
Article-I.D.: bmcg.1447
Posted: Mon Oct 15 18:40:04 1984
Date-Received: Wed, 17-Oct-84 04:57:34 EDT
Organization: Burroughs Corporation, San Diego
Lines: 26

[Row, row, row your bits, gently down the stream...]

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Mike Lesher
Burroughs ASG, San Diego, CA.
(..!bmcg!mikel)

From 4867911861565023857
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 17:55:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Greedy Apples
Message-ID: <5322@brl-tgr.ARPA>
Date: Mon, 15-Oct-84 20:55:54 EDT
Article-I.D.: brl-tgr.5322
Posted: Mon Oct 15 20:55:54 1984
Date-Received: Wed, 17-Oct-84 19:35:15 EDT
References: <1114@zeppo.UUCP>, <1221@eagle.UUCP>
Organization: Ballistics Research Lab
Lines: 4

Welcome to the U.S., Mr. Freed. The reason people here are so naive
about capitalism is that it is a dirty word in educational circles.
Some flavor of socialism seems to be preferred by a majority of
educators, especially at the universities.

From 3243031865007162902
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,78521488a45b6646,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 18:19:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!mhuxj!ihnp4!inuxc!pur-ee!
uiucdcs!uok!mpackard
From: mpackard@uok.UUCP
Newsgroups: net.micro.apple
Subject: What is Anix?
Message-ID: <4500007@uok.UUCP>
Date: Mon, 15-Oct-84 21:19:00 EDT
Article-I.D.: uok.4500007
Posted: Mon Oct 15 21:19:00 1984
Date-Received: Thu, 18-Oct-84 19:33:48 EDT
Lines: 7
Nf-ID: #N:uok:4500007:000:234
Nf-From: uok!mpackard   Oct 15 20:19:00 1984

[scratch and sniff]

Question: Does anyone know or use Anix operating system?
I saw an ad for it and was wondering what it is and what it can

do etc. I don't expect too much as it was less than 40 bucks...
ctvax!uokvax!uok!mpackard

From 7962363667323045447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 19:37:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!sjuvax!jss
From: jss@sjuvax.UUCP (Jonathan Shapiro)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: $995 is a rediculously low price for the memory upgrade
Message-ID: <554@sjuvax.UUCP>
Date: Mon, 15-Oct-84 22:37:07 EDT
Article-I.D.: sjuvax.554
Posted: Mon Oct 15 22:37:07 1984
Date-Received: Wed, 17-Oct-84 05:24:53 EDT
References: <505@loral.UUCP>, <189@looking.UUCP>, <9213@watmath.UUCP>
<1502@wateng.UUCP>
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 5

995$ when the chips cost $265?? No way - I *just* priced the chips in
reasonable quantities.

Jon Shapiro
Haverford College

From -1240944767937328520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9d99e1d412e4901
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9d99e1d412e4901
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 19:42:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!sjuvax!jss
From: jss@sjuvax.UUCP (Jonathan Shapiro)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Advice needed on Aztec C
Message-ID: <555@sjuvax.UUCP>
Date: Mon, 15-Oct-84 22:42:10 EDT
Article-I.D.: sjuvax.555
Posted: Mon Oct 15 22:42:10 1984

Date-Received: Wed, 17-Oct-84 05:25:12 EDT
References: <459@ittral.UUCP>
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 17

[Aren't you hungry...?]

     Reliable rumor has it that Manx will soon be releasing their MacIntosh edition of Aztec C to mail order dealers, so there is reason to believe that they are not stopping their dealings with the mail order world. They do, however,p have a support line which I doubt the mail order house knows about.

All of the manx compilers generate reasonable tight code, and the 6502 has a far more orthogonal instruction set (not to mention faster) than the Z80. My bet would be on the native Dos version, though I have not tried either. In any case, my experiences with Manx have been that they are supportive and it seems to be universally agreed that their compilers are good ones.

Jon Shpairo
Haverford College
...!allegra!sjuvax!jss

From -1748740157980176646
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,15194808c7a21007,start
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,15194808c7a21007,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-15 21:10:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!decvax!genrad!wjh12!harvard!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.flame,net.micro.apple
Subject: Enough is too much
Message-ID: <1208@hao.UUCP>
Date: Tue, 16-Oct-84 00:10:51 EDT
Article-I.D.: hao.1208
Posted: Tue Oct 16 00:10:51 1984
Date-Received: Wed, 17-Oct-84 09:50:01 EDT
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 27

The following is posted for a freind. He would like to receive replies to this posting. I would not.

The adds in Macworld are pretty terrible, as a rule, but most of them I can put up with. I have just seen the November issue of Macworld, however, and there are a couple of advertisements there that just appall me. On page 155, there is an ad by "Investware". Have you

heard of Bill Atkinson's program SCREENMAKER? I will post it on net.sources for those of you who do not have it. It lets you take ANY macpaint picture and make of it a startup screen that will replace the screen that says "Welcome to Macintosh". These people at Investware have the gall to charge $40.00, not for a program to make your own pictures, but for ONLY ONE PRE-MADE picture. That's just going too far.

Elsewhere in Macworld, there is evidence that people have noticed the mac font editor program that has been around for a while... Some people have actually made fonts that they think are worth $100 per font. I think that this is piracy of the worst sort, because I have about 4 disks of PUBLIC DOMAIN fonts that are just as good, or better!

Only the BEST programs should sell for as much as $100.00, and I think that the prices that some people are charging for things on the mac are simply ridiculous.

Dave Kliman
(215) 387-7918

From -6749313155259425930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ad9bf87913a945a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 03:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucdcs.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!mhuxj!ihnp4!inuxc!pur-ee!uiucdcs!renner
From: renner@uiucdcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macintosh
Message-ID: <33100007@uiucdcs.UUCP>
Date: Tue, 16-Oct-84 06:48:00 EDT
Article-I.D.: uiucdcs.33100007
Posted: Tue Oct 16 06:48:00 1984
Date-Received: Thu, 18-Oct-84 19:33:20 EDT
References: <12887@sri-arpa.UUCP>
Lines: 15
Nf-ID: #R:sri-arpa:-1288700:uiucdcs:33100007:000:643
Nf-From: uiucdcs!renner   Oct 16 05:48:00 1984

> Of particular interest is that fact that SUMEX has developed
> a cross compiler/library set that runs on a unix mainframe,
> and downloads code to the MAC. This is destributed FREE OF
> CHARGE!!! (but it masses over a megabyte - dont ask for it
> to be posted to net.sources or mailed to you!). Several
> people have contributed public domain MAC programs...

I'm certain that I'm not the only one interested in this. I'd love to send a tape to the software owners so that they could distribute it

to me. Could somebody post the US Mail address of the concerned
people at SUMEX?

Scott Renner
{pur-ee,ihnp4}!uiucdcs!renner

From 7866600864494047149
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc8d4ef10b1ca7bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 07:01:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/17/84; site link.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!link!cwr
From: cwr@link.UUCP (C. W. Rosenthal)
Newsgroups: net.micro.apple
Subject: Apple Macintoshes
Message-ID: <248@link.UUCP>
Date: Tue, 16-Oct-84 10:01:07 EDT
Article-I.D.: link.248
Posted: Tue Oct 16 10:01:07 1984
Date-Received: Wed, 17-Oct-84 05:37:12 EDT
Organization: AT&T Bell Laboratories - Holmdel, NJ
Lines: 7

My daughter has just picked up an Apple Macintosh 512K. I am interested in
making contact with other AT&T Bell Labs people that have Macintoshes or
have experience with them to trade hardware and software. People at WH would
be preferable.
Charlie
Charles W. Rosenthal WH3B-322 201-386-6537

From -7860254487010993184
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,efa71a0594f93b9f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 11:14:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-univax.UUCP
Path: utzoo!linus!decvax!genrad!wjh12!harvard!seismo!rochester!ur-univax!cam2
From: cam2@ur-univax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Mac Wrist Watch Cursor
Message-ID: <5400005@ur-univax.UUCP>
Date: Tue, 16-Oct-84 14:14:00 EDT
Article-I.D.: ur-univa.5400005
Posted: Tue Oct 16 14:14:00 1984
Date-Received: Wed, 17-Oct-84 10:01:05 EDT
References: <121@sask.UUCP>
Organization: University of Rochester: Computing Center

Lines: 7
Nf-ID: #R:sask:-12100:ur-univax:5400005:000:314
Nf-From: ur-univax!cam2   Oct 16 14:14:00 1984

Try to get the application rmover (it comes with the Macintosh software
supplement). You can use this to "cut" and "paste" resources from one
application to another. The wristwatch cursor may exist in the system, but
if it doesn't find an application to copy it from.

Craig McGowan
...!rochester!ur-univax!cam2

From 8659437798280219980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,d09f16b62a4118f6
X-Google-Attributes: gid159df4,public
X-Google-Thread: 129c11,d09f16b62a4118f6
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d09f16b62a4118f6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 14:06:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site leopard.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!zeta!sabre!leopard!ron
From: ron@leopard.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.68k
Subject: Re: UNIX on Lisa (Partial FLAME)
Message-ID: <10@leopard.UUCP>
Date: Tue, 16-Oct-84 17:06:54 EDT
Article-I.D.: leopard.10
Posted: Tue Oct 16 17:06:54 1984
Date-Received: Wed, 17-Oct-84 06:24:45 EDT
References: <1354@pucc-h>
Organization: Bellcore, Red Bank, NJ
Lines: 27

!!!!!!!!!!!!!!!!!!!FLAME ON!!
Having had the chance to work on XENIX on the Lisa as well as several
different boxs, and also having worked on various Unisoft ports I
thought this would be of interest.

     XENIX IS NOT A SYSTEM 3 UNIX!!!!!!!!!!

It is far closer to a version of BSD than BTL, and BSD does not claim
to be SYSIII or later. The Unisoft ports are indeed SYSIII and SYSV
also they are far more bug free than XENIX and far more stable,
at least they did not crash the systems when I tried to use the floppy
as XENIX has done to me on several occasions.

A friend of mine has obtained a copy of XENIX for the IBM-PC after my
warning him not to, after trying to get it to stay up for more than
a few minutes he is reformatting his hard drive and sticking to PCDOS.

At least Microsoft wrote something that works.
!!!!!!!!!!!!!!!!!!!!FLAME OFF!!

In answering your question Xenix does or did not support the mouse or
any of the features Apple built in (/dev/mouse anyone?). The use of the
disk was terrible, after going in and throwing out have the things XENIX
supplied (including tar) that did not work I had about 5 meg to work with
up from 2-3 meg. I was never able to see or work on an Unisoft port
much to my regret so I do not know what they have done.

     The opinions presented are my own and not the of the company.

     ...!harpo!groucho!{leopard|lion}!ron

From 1112657560869607980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb5ef85ceb03940d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 18:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uiucdcsb.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!mhuxj!ihnp4!inuxc!pur-ee!
uiucdcsb!thielges
From: thielges@uiucdcsb.UUCP
Newsgroups: net.micro.apple
Subject:][disk problem and solution
Message-ID: <4600010@uiucdcsb.UUCP>
Date: Tue, 16-Oct-84 21:37:00 EDT
Article-I.D.: uiucdcsb.4600010
Posted: Tue Oct 16 21:37:00 1984
Date-Received: Thu, 18-Oct-84 19:34:16 EDT
Lines: 24
Nf-ID: #N:uiucdcsb:4600010:000:1129
Nf-From: uiucdcsb!thielges   Oct 16 20:37:00 1984

This is an account of an Apple][hardware problem and solution.

After loaning my][to my mother for a few months, I noticed that most of
my disks would not boot. The only ones that would boot were my 3.3 system
master and any other disks that were created after the problem occured.
Now based on the above information, what would you think the problem was ?

My hypothesis was that the disk drive was out of alignment. That seemed to
make sense because perhaps the system disk had wide enough tracks to be read
by an out of alignment drive (track-wise) and the new disks could be read
because they were written and read with the same offset. I almost tried
fiddling with the alignment screws.

Further testing by connecting my drive to another][showed that my drive and
controller card were in perfect shape. I ran a memory test and found that
a 4116 in the highest 16k was bad. The system master thought that my apple

only had 32k and wrote a 32k dos on all of my new disks.

The moral of the story is to try all of your diagnostic programs before
jumping to a conclusion.

Bart Thielges
thielges@uiucdcs

From -1032828535134569597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,efa71a0594f93b9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 20:19:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Mac Wrist Watch Cursor
Message-ID: <1209@hao.UUCP>
Date: Tue, 16-Oct-84 23:19:38 EDT
Article-I.D.: hao.1209
Posted: Tue Oct 16 23:19:38 1984
Date-Received: Thu, 18-Oct-84 06:49:53 EDT
References: <121@sask.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 18

> A different question: How does one get updates/supplements to the
> Inside Macintosh documentation.

One buys the Software Supplement. Makes sense: in order to know
how to program the Mac, you buy Lisa disks.

In addition to the Lisa disks and some MAC stuff that just about
everyone should have by now, you get the Inside Macintosh updates,
and a copy of the real Inside Macintosh, if Apple can ever figure
out what they put in there machine. (The ROM hasn't changed,
the System File hasn't changed since May. Why do we have to
wait until now to find out how to use GetTime?)
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 7752781078123113565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-16 20:25:29 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Greedy Apples
Message-ID: <1210@hao.UUCP>
Date: Tue, 16-Oct-84 23:25:29 EDT
Article-I.D.: hao.1210
Posted: Tue Oct 16 23:25:29 1984
Date-Received: Thu, 18-Oct-84 06:50:15 EDT
References: <1114@zeppo.UUCP>, <1221@eagle.UUCP> <5322@brl-tgr.ARPA>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 16

> Welcome to the U.S., Mr. Freed. The reason people here are so naive
> about capitalism is that it is a dirty word in educational circles.

The reason that people know so little about capitalism (or socialism)
is because no human understands any economic system. The mathematical
tools that we possess so far are totaly inadequate to the task of
analysing anything so complex.

Anyone who thinks that he *really* understands the workings of
economy is hopelessly deluded.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -4975625618729975086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22da6742902e0850
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 07:44:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:ag4
From: ag4@pucc-h (Uncle Jeffer)
Newsgroups: net.micro.apple
Subject: Re: 65C02 Conversion?
Message-ID: <1360@pucc-h>
Date: Wed, 17-Oct-84 10:44:06 EDT
Article-I.D.: pucc-h.1360
Posted: Wed Oct 17 10:44:06 1984
Date-Received: Sun, 21-Oct-84 09:09:09 EDT
References: <4500005@uok.UUCP>
Organization: The Widget Works
Lines: 14

>   I recently heard that the 65C02 was pin compatible with the 6502, and
> that anyone with an Apple II,II+,or IIe can simply remove the 6502 from their
> machine and replace it with the 65C02 and be able to use the new commands and
> addressing modes. Has anyone ever tried this? Will it work?

According to Apple, you can do this upgrade to a //e, but the chip has to be
a specific one (I think NC65C02). They indicate, however, that availability
could be a problem. I'm not sure whether it'll work for a II+ or lower.
I can get specific information this weekend and will post again next week
if someone else hasn't come up with the info.

--
Jeff Lewis   vvvvvvvvvvvv
{decvax|ucbvax|allegra|seismo|harpo|teklabs|ihnp4}!pur-ee!lewie

From -4378904786276772322
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7d54f1015e2c83a0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 11:48:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site bentley.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!ihnp4!bentley!fjh
From: fjh@bentley.UUCP (FJ Hirsch)
Newsgroups: net.micro.apple
Subject: wanted: info on sumacc as
Message-ID: <485@bentley.UUCP>
Date: Wed, 17-Oct-84 14:48:42 EDT
Article-I.D.: bentley.485
Posted: Wed Oct 17 14:48:42 1984
Date-Received: Thu, 18-Oct-84 19:35:27 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 17

I am looking for the assembler reference manual for the
assembler used with Summacc. Our assembler for System V is
different and I would like to understand the differences.

If anyone can send me a copy of the assembler manual I would
appreciate it.

Fred Hirsch
AT&T Bell Laboratories
2G-208
6 Corporate Pl
Piscataway NJ 08854

Thanks.
--

<*> Fred Hirsch <*> AT&T Bell Laboratories <*> ihnp4!bentley!fjh <*>

From 4612007970842473565
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4324ba3fc0d71333,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 13:15:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!drutx!houxe!hogpc!houti!ariel!
vax135!cornell!uw-beaver!uw-june!jeffay
From: jeffay@uw-june.UUCP
Newsgroups: net.micro.apple
Subject: 2nd disk for Fat Mac (opinions sought)
Message-ID: <1891@uw-june>
Date: Wed, 17-Oct-84 16:15:11 EDT
Article-I.D.: uw-june.1891
Posted: Wed Oct 17 16:15:11 1984
Date-Received: Sun, 21-Oct-84 13:53:02 EDT
Organization: U of Washington Computer Science
Lines: 9

I would to hear people's opinions concerning the usefullness of
the second disk drive on a 512K Mac system. (What functions/utilities
would be easier/enhanced with its inclusion etc.) I'd love to hear it
but I'm already overbudget on the system.

                        Thanks in advance... Kevin

(replies to ...!decvax!uw-beaver!uw-june!jefay)

From 1673211337805457355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7f047854ef437a52,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 13:40:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ih1ap.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!ihnp4!ih1ap!lwr
From: lwr@ih1ap.UUCP (L. W. Retzner)
Newsgroups: net.micro.apple
Subject: MDM727 and printer capture
Message-ID: <419@ih1ap.UUCP>
Date: Wed, 17-Oct-84 16:40:09 EDT
Article-I.D.: ih1ap.419
Posted: Wed Oct 17 16:40:09 1984
Date-Received: Thu, 18-Oct-84 19:36:06 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 20

Problem:
     When using MDM727 or later (maybe earlier too)

and trying to direct output to the printer (^P)
the printer never gets any data. The printer
buffer (system memory) fills with data then the
whole system becomes locked up.
Configuration:
Apple][+
Microsoft CPU (for CP/M)
Microsoft version of CP/M
Tymac parallel board

If you know of a fix for this problem, would please send
me the pertinent information. RELPY BY MAIL! I do not
subscribe to this group, I am submitting this article for
a friend.

Thanks,
Bill Retzner
ihnp4!ih1ap!lwr

From -2269058558543356130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5460bb5dc11395b4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,5460bb5dc11395b4,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5460bb5dc11395b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 16:42:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!garyglad
From: garyglad@utzoo.UUCP (Gary Gladstone)
Newsgroups: net.micro,net.micro.apple,net.micro.pc
Subject: Apple emulator for the IBM PC
Message-ID: <4492@utzoo.UUCP>
Date: Wed, 17-Oct-84 19:42:47 EDT
Article-I.D.: utzoo.4492
Posted: Wed Oct 17 19:42:47 1984
Date-Received: Wed, 17-Oct-84 19:42:47 EDT
Organization: U of Toronto Zoology
Lines: 8

I presently own an IBM PC, 256K, two double sided, double density drives.
A friend of mine has an APPLE II + with loads of software (especially games).
Is there any way that I can use his software on my IBM?
If so, how reliable, etc....?
Thanks for the info, and I will summarize to the net.
--
Gary Gladstone @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!garyglad

From 5412480614612884861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c41ca7e898068e0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 16:57:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxt.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!mhuxj!aluxz!aluxe!mhuxi!mhuxm!
mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Mac 512k digital board ROMs
Message-ID: <303@mhuxt.UUCP>
Date: Wed, 17-Oct-84 19:57:31 EDT
Article-I.D.: mhuxt.303
Posted: Wed Oct 17 19:57:31 1984
Date-Received: Fri, 19-Oct-84 05:37:11 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 11

<>
I just had my first "hands-on" look at a Macintosh digital board. What was
interesting is that the 2 ROM chips are socketed (this is a 512k board). Were
the earlier boarded completely soldered or were the ROMs socketed? There were
also areas labeled "512 only" and "128 only" (resistors in these areas).

One has to wonder if there will be another os (upward compatable?) as we travel
down the road to denser ROMs.

Steve Crandall
mhuxt!evans

From 1412254148667392181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4219f7a046ee6fb2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-17 17:40:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple math and graphics in 6502 and basic
Message-ID: <41@unm-cvax.UUCP>
Date: Wed, 17-Oct-84 20:40:43 EDT
Article-I.D.: unm-cvax.41
Posted: Wed Oct 17 20:40:43 1984
Date-Received: Fri, 19-Oct-84 01:46:41 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 24

[another bug bytes the bus]

Has anybody ever written a program(s) in 6502 or basic to do one of:

   divisions (/)
   sin
   cos
   tan
   arc-sin
   arc-cos
   arc-tan
   square roots
   3'd manipulations of shapes
   3'd plotting of shapes on a 2'd screen.

 in the real set or in the integers?

if so...

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -894563697314402858
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,efa71a0594f93b9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 01:35:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: Re: Mac Wrist Watch Cursor
Message-ID: <235@sara70.UUCP>
Date: Thu, 18-Oct-84 04:35:51 EDT
Article-I.D.: sara70.235
Posted: Thu Oct 18 04:35:51 1984
Date-Received: Sat, 20-Oct-84 07:00:40 EDT
References: <121@sask.UUCP>
Organization: SARA, Amsterdam, The Netherlands
Lines: 7

There is a wristwatch in the font Cairo.
Obtaining the bitpattern is easy: goto MacPaint, type the wristwatch-18,
switch to FatBits, correct the time, write down the bitpattern.

You can use this pattern in your (BASIC?)program with SETCURSOR.
-Rick Jansen-
{philabs,decvax,seismo}!mcvax!sara70!rick

From -8683675745904581332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82a4b6f6bfae30e4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 08:29:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: Macintosh PRINTERSPOOLER
Message-ID: <237@sara70.UUCP>
Date: Thu, 18-Oct-84 11:29:06 EDT
Article-I.D.: sara70.237
Posted: Thu Oct 18 11:29:06 1984
Date-Received: Sat, 20-Oct-84 07:00:52 EDT
Organization: SARA, Amsterdam, The Netherlands
Lines: 18

It is possible to use the printerspooler with MacWrite-
generated documents:
1. Choose "print" from the file-menu in MacWrite,
   just as if you were going to print your document.
   Disable the printer by pressing the select-switch.
2. Wait while MacWrite is "saving printed copy to disk".
3. When the message "now printing etc.." appears: reset the Mac.
4. Now there is a "print file" with its own icon.
   If this file is empty you pressed the switch at
   the wrong time (sorry).
5. Start the printerspooler and print...

I don't know if many others found out the same, thought I'd post
it anyway.
Rick Jansen@SARA70

{philabs,decvax,seismo}!mcvax!sara70!rick
                                        ^that's me

From -2179043510050139778
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b289c9270bd8ff9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 11:07:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihdba.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihdba!cmsj
From: cmsj@ihdba.UUCP (Chris Jachcinski)
Newsgroups: net.micro.apple
Subject: MacTerminal
Message-ID: <131@ihdba.UUCP>
Date: Thu, 18-Oct-84 14:07:31 EDT

Article-I.D.: ihdba.131
Posted: Thu Oct 18 14:07:31 1984
Date-Received: Sun, 21-Oct-84 09:32:21 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 15

Perhaps I'm being real dumb but I can't get my Mac
to look quite like a VT100 as far as the UNIX machine I'm
on is concerned. In particular, the "vi" editor
does not work quite right, many of the escape characters
for screen control appearing at quasi-random locations
on the Mac screen. I am using the standard UNIX System
V terminfo. Anyone have any ideas on what I'm doing
wrong? Please send replies via "mail" and if I get enough
responses (that work :)!) I will post to the net.

Thanks in advance,
Chris Jachcinski
AT&T Bell Labs
..!ihnp4!ihdba!cmsj

From 8596119390902044935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,f3150c274cb2869d,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,f3150c274cb2869d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 13:31:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Cleaning circuit boards: Summary
Message-ID: <247@ssc-bee.UUCP>
Date: Thu, 18-Oct-84 16:31:47 EDT
Article-I.D.: ssc-bee.247
Posted: Thu Oct 18 16:31:47 1984
Date-Received: Sun, 21-Oct-84 14:04:48 EDT
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 170

Thanks to all of those who replied to my help for cleaning circuit boards:

> "My Apple motherboard has gotten quite dusty from
> running without the top, and I suspect oxidation
> has occurred to some of the socket and chip contacts.
> I want to clean up all the contacts. Is it safe to
> immerse the whole board with all chips, resistors,
> capacitors, etc. in place? If so, what cleaning

agent is recommended? Is it likely to help?"

I was quite surprised at the different methods of cleaning available.
Here is a one line summary of each method (ranked in approximate
difficulty/risk):

1) If it ain't broke, don't fix it!

2) Vacumning/compressed air.

3) Remove all chips; clean contacts with ink eraser.

4) Freon bath; air dry.

5) Soap and water bath; air dry.

6) Hutto's Blue Dip Industrial Cleaner (bath?).

7) Freon, soap and water, or alcohol bath; *** oven dry ***.

The text of most messages I received follows. (My apologies to those who
replied, but are not represented below. I seem to have lost a few
messages.)

==========

>From ssc-vax!uw-beaver!cornell!vax135!houxm!ihnp4!zehntel!hplabs!hao!seismo!
harvard!wjh12!genrad!decvax!decwrl!dec-rhea!dec-dosadi!binder Sat Feb 5 22:28:16
206
> Subject: Re: How do clean motherboards?

> IF IT AIN'T BROKE, DON'T FIX IT! Think about it: If a machine or board
> is working properly, nothing you do to it is likely to improve the
> situation. So don't risk immersion in solvents or physical manipulation
> to clean contacts. Even gentle manpulation can break component leads,
> and many solvents leave behind worse deposits than they remove.

> However, dust and various airborn grime definitely can be deleterious to
> boards. First, dirt can attract or retain moisture, leading to
> corrosion as well as current leakage paths. Second, and more important,
> accumulated dust can significantly reduce air circulation around and
> beneath chips, thereby reducing cooling, thereby increasing operating
> temperature, thereby increasing the liklihood of component failure.
[ed. note:I wish I hadn't lost the messsage quoted above. -- Mike Eve]
Oh, how true! My machine's keyboard began, over a period of time, to become
flaky - it'd transmit F when I pressed S, S for F, 4 for 2, 2 for 4, and so
on. The failures occurred more frequently when the weather was warm and
humid. I figured the encoder chip was bad and replaced it, with TEMPORARY
success. The new part began to do the same thing. I checked the power and
everything else I could think of, and finally in desperation applied a solvent
cleaner after blowing at the thing for a while with my lungs. The keyboard

STOPPED working altogether. I could see that it was covered with soaked-down dust kittens and other gunk, and so my last great act of defiance was to take a toothbrush to it, dislodging all that yecch, and lo and behold, I have a working keyboard again, with a spare encoder chip for use when the one in use DOES finally die. I don't recommend this course of action, but it is clear that a) solvents can do more harm than good, and b) dust, etc., can cause serious problems to an ordinary PC board.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA
==========

>From uw-beaver!tektronix!hplabs!ucbvax!mlsmith@nadc.arpa Thu Oct 4 01:58:24 1984

Denatured alcohol and Q-tips is a safe procedure.(Ethanol is also acceptable)
I do not recommend emersion as parts are likely not hermetically sealed.
If you must emerse, bake at 150 degrees F for at least 8 hours to dry.

good luck,
mlsmith@nadc.ARPA

==========

>From uw-beaver!tektronix!hplabs!hao!seismo!mcvax!sara70!gijs Wed Oct 3 07:59:26 1984

You can spray the board with freon. The best is to take all the chips
out of their sockets, clean their pins with an (ink) eraser, spray
sockets and pins with freon and put them back again. You can also
use this system on interface cards, but be carefull with gold
plated fingers. Use the eraser very gently on them or the gold will
disappear too. Freon should be sold in electronics parts or
computer supply shops. Good luck,   Gijs Mos @ Free University Amsterdam

==========

>From uw-beaver!tektronix!hplabs!sdcrdcf!sdcsvax!akgua!uf-csv!leo Tue Oct 2 16:51:48 1984

This may sound a bit odd, but when I was in the military we cleaned boards
with plug-in chips & everything else in place in SOAP & WATER! Has little or
no effect on most things & works well, particularly if used in an ultrasonic
bath. You do have to let it dry thoroughly, though. No "close enough for
government work" attitiude will do.

==========

>From uw-beaver!tektronix!hplabs!sdcrdcf!sdcsvax!bmcg!mikel Wed Oct 3 07:59:20 1984

I use Isopropol Alcohol 75% is ok, but if you can find 90% that is better. Use an old tooth brush and scrub. Alcohol is one of the best no distructive cleaning agents that I've found. If someone spills anything on anything, get out the alcohol. I have cleaned cranberry drink out of carpets and clothing. Computers love it too. Try to use it outside, and avoid breathing the fumes.

The other agents used in the computer industry, but are harder to get are MEK (Methel Ethel Keytone) and Freon (liquid).

Good Luck!

[Row, row, row your bits, gently down the stream...]

Mike Lesher
Burroughs ASG, San Diego, CA.
(..!bmcg!mikel)
==========

>From alcmist@ssc-vax Tue Oct 9 18:56:47 1984

I don't know where an individual can get it, but I have seen something that would do the job nicely.

A repairman from Leasametric fixed a malfunctioning board on one of my old group's HP terminals by spraying it with a freon cleaner. I'm not talking about the quick-freeze stuff for chilling components. This was slow-evaporating stuff that was liquid in a plastic bottle under fairly low pressure.

He just hosed down the board with the freon. It took off the dust like magic. It's chemically inert -- you can let it drip on the carpet.

I'm sorry I can't remember any brand names or suppliers. The repairman did say it was expensive.

Fred Wamsley   alcmist

Oh yes...The repairman did claim that the freon he was using stripped off oxidation. I am skeptical.   -fred
==========

     End of summary

About Hutto's Blue Dip: This tip came from some hardware types who have used it to clean ICs to improve solderability. The ICs are removed from the board, placed in a plastic tube with the Hutto cleaner, shaken for a few minutes, and, presto!, clean pins. Supposed to remove tarnish. I have been unable to locate Blue Dip locally, but here is the address if any wish to pursue it:

     The Harvey Co.
     P.O. Box 66245
     Houston, TX 77006

Normally, I don't believe in disclaimers, but, due to the nature of this
text, neither I nor my employer either endorse or warrant any of the above
procedures and/or products. You are entirely on your own!

--
     Mike Eve   Boeing Aerospace, Seattle
     ...uw-beaver!ssc-vax!ssc-bee!eve

From -5091741250785085484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 15:05:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Greedy Apples
Message-ID: <5381@brl-tgr.ARPA>
Date: Thu, 18-Oct-84 18:05:12 EDT
Article-I.D.: brl-tgr.5381
Posted: Thu Oct 18 18:05:12 1984
Date-Received: Sat, 20-Oct-84 06:49:43 EDT
References: <1114@zeppo.UUCP>, <1221@eagle.UUCP> <5322@brl-tgr.ARPA>
<1210@hao.UUCP>
Organization: Ballistic Research Lab
Lines: 9

> The reason that people know so little about capitalism (or socialism)
> is because no human understands any economic system. The mathematical
> tools that we possess so far are totaly inadequate to the task of
> analysing anything so complex.

It may not be necessary to model an economic system in great detail in
order to understand its more general features, any more than it is
necessary to model the detailed neurology of the brain in order to have
a handle on psychology.

From 7105352745918665584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,d09f16b62a4118f6
X-Google-Attributes: gid159df4,public
X-Google-Thread: 129c11,d09f16b62a4118f6
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d09f16b62a4118f6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 15:19:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site rlgvax.UUCP

Path: utzoo!linus!philabs!cmcl2!seismo!rlgvax!guy
From: guy@rlgvax.UUCP (Guy Harris)
Newsgroups: net.micro,net.micro.apple,net.micro.68k
Subject: Re: UNIX on Lisa (Partial FLAME)
Message-ID: <208@rlgvax.UUCP>
Date: Thu, 18-Oct-84 18:19:55 EDT
Article-I.D.: rlgvax.208
Posted: Thu Oct 18 18:19:55 1984
Date-Received: Sat, 20-Oct-84 06:51:27 EDT
References: <1354@pucc-h> <10@leopard.UUCP>
Organization: CCI Office Systems Group, Reston, VA
Lines: 18

>   XENIX IS NOT A SYSTEM 3 UNIX!!!!!!!!!!
>
> It is far closer to a version of BSD than BTL, and BSD does not claim
> to be SYSIII or later.

It may be a version of V7, which *was* issued by BTL. It is not the case
that all UNIX versions that aren't BTL, or USG, or USDL, or System
<roman_numeral> are BSD versions.

> A friend of mine has obtained a copy of XENIX for the IBM-PC after my
> warning him not to, after trying to get it to stay up for more than
> a few minutes he is reformatting his hard drive and sticking to PCDOS.
> At least Microsoft wrote something that works.

Err, umm... XENIX *is* a Microsoft product...

     Guy Harris
     {seismo,ihnp4,allegra}!rlgvax!guy

From 2113404718181228052
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52b13f019c272bd2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 16:12:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!decwrl!sun!qubix!ios!oliveb!hplabs!hp-pcd!hpfcla!dwa
From: dwa@hpfcla.UUCP (dwa)
Newsgroups: net.micro.apple
Subject: Problem with P-Term & Novation 212
Message-ID: <17800001@hpfcla.UUCP>
Date: Thu, 18-Oct-84 19:12:00 EDT
Article-I.D.: hpfcla.17800001
Posted: Thu Oct 18 19:12:00 1984
Date-Received: Tue, 23-Oct-84 05:47:54 EDT
Organization: Hewlett-Packard - Fort Collins, CO
Lines: 17
Nf-ID: #N:hpfcla:17800001:000:827
Nf-From: hpfcla!dwa   Oct 18 15:12:00 1984

I recently purchased a Novation 212 upgrade board for my Apple IIe, so that I can transfer files at 1200 baud instead of the 300 baud rate on the standard Novation AppleCat modem. After using the Com-Ware software to set up the 1200 baud rate, it works just fine. However, when trying to use my P-Term software, it will only work at 300 baud. I have changed the CONFIG.TEXT for baud rate from "6" to "8" and used MAKEPTDATA to create a new PTERM.DATA file. Using the "B" selection on the secondary menu, I reset the baud rate to 1200--but when I dial up and connect is does an immediate disconnect.

Changing the baud rate back to 300 with the "B" selection solves the disconnect problem, but the transmission rate is reduced to 300. Any ideas?

Doug Anderson
{ihnp4,hpfcla,hplabs!csu-cs}!hpcnoa!dwa

From -4847766193205929330
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9d99e1d412e4901
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-18 17:02:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re. Advice needed on Aztec C: DOS 3.3 code quality.
Message-ID: <111@utcsrgv.UUCP>
Date: Thu, 18-Oct-84 20:02:17 EDT
Article-I.D.: utcsrgv.111
Posted: Thu Oct 18 20:02:17 1984
Date-Received: Thu, 18-Oct-84 20:54:59 EDT
References: <459@ittral.UUCP>
Organization: CSRI, University of Toronto
Lines: 27

Well, I have some experience with Aztec c65 under DOS 3.3 & certainly agree that the compiling is none too fast. Having taken a fairly close look at the code generated, my feeling is that, on the whole, it's pretty good. I feel that it has two serious flaws, however. For one, all arithmetic operations are performed in 16 bits, even if the operands are characters. This means the the only way to get *really* fast code that does a lot of arithmetic is to delete the unneeded extra operations BY HAND from the assembly code.

The other deficiency, although this may be intrinsic to the 6502 and not the fault of Manx, is that subroutine linkage taken a whole pile of code, roughly 6-8 instructions per operand passed, plus one subroutine call at either end of the call (caller

and callee) [I'm no certain what the called "system" routine does].
Again, it is, unfortunately, impossible to get the compiler to
gen. tighter code by using chars since it insists on putting 2 bytes
on the stack per operand, no matter what.
   By the way, using their I/O package also slows things down a LOT.
I was helping with some code that really needed fast character output
and found that writing special-purpose output routine for the screen
made an incredible difference.
   Despite these objections, I like the system & plan on buying one
for my own use at home -- a DOS 3.3 version too.
     Greg Dudek
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -5805256573268009779
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9de427b47f065ffc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 14:18:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: A proposal for Mac upgrades
Message-ID: <227@ssc-bee.UUCP>
Date: Thu, 27-Sep-84 17:18:41 EDT
Article-I.D.: ssc-bee.227
Posted: Thu Sep 27 17:18:41 1984
Date-Received: Thu, 4-Oct-84 02:12:07 EDT
Organization: Boeing Aerospace, Seattle
Lines: 56

   It appears that the most important issues, and reasonable solutions, have
   been obscured by the mass of vague accusations and spleen-venting flames
   (including by own). I will summarize what I feel are critical:

     1) Apple Computer misrepresented the 128k machine as being a
        reasonable memory configuration for which there would soon
       be large quantities of software.

     2) Apple Computer knew that the 128k machines would be made
        obsolete by the 512k machines without an expensive upgrade.

     3) Owners gripes about depreciation of their machines are
        unreasonable. The drop in price was anticipated by many.
        However, owners complaints about obsolence are well founded.
        To have a machine only 6 months old be shunted away from the
        main stream of new software is unreasonable.

4) Apple has announced plans to continue producing 128k Macs (at least until they can get enough 256k rams to keep production going).

Items 1 and 2 are particularly damning, and sufficient grounds to expect Apple to lose a few bucks retrofitting 128k Macs.

Retrofit with what?

Not with 512k boards, at least not for free (maybe for the cost of the chips alone).

I propose Apple redesign the memory board the way they should have designed it in the beginning. A simple board with 16 sockets and a personality module (or jumpers) to allow the use of 64k or 256k rams (or even 1 meg rams, if compatible).

Former Apple][owners will recognize the design approach. Apple did just this on the early mother boards. Three rows of 8 sockets each were controlled by three personality modules. Each row could accept either 4k or 16k chips. Talk about expandibility! From the early 4k machines to the 64k][+ is a factor of 16 -- this without a costly trip to the dealer or replacing a board. If the Mac were similary expandable, original owners could go from 128k to 2 Meg.

This new board should be given to all 128k owners, gratis, and, screw the stockholders (I myself am one, and I do not own a Mac-- I'm not that naive). All new 128k machines should be supplied with this new board as standard equipment. This will allow those on limited budgets to experience the Mac environment and upgrade when chip prices fall.

Such a simple thing, such a reasonable thing, but who ever heard of an upgradeable bar of soap?

--

Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From 105899585682169861
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc867dfbf71cd68c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 18:56:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!mhuxi!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: MacTerminal 1.1 macput, macget don't work
Message-ID: <414@aluxe.UUCP>
Date: Thu, 27-Sep-84 21:56:10 EDT

Article-I.D.: aluxe.414
Posted: Thu Sep 27 21:56:10 1984
Date-Received: Fri, 28-Sep-84 07:23:38 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 25

[]

I got an official copy of MacTerminal 1.1 from my dealer. I cannot get
either "macput" or "macget" to work. Is there a new version for version 1.1?
I HAVE sucessfully used "umodem" to transfer a text file to and from the Mac
using MacTerminal 1.1, over the same phone line.

When trying to do a macput I get:

tarting handshake timeout
tarting handshake timeout
tarting handshake timeout
giving up

When trying to do a macget I get nothing.

I presently have the mac(get|put) for version 0.5 with the -o option
for the prerelease.

Thanks much...

Lonnie Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -4774240931370604017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-27 21:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site looking.UUCP
Path: utzoo!watmath!looking!brad
From: brad@looking.UUCP (Brad Templeton)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: $995 is a rediculously low price for the memory upgrade
Message-ID: <189@looking.UUCP>
Date: Fri, 28-Sep-84 00:00:00 EDT
Article-I.D.: looking.189
Posted: Fri Sep 28 00:00:00 1984
Date-Received: Sat, 29-Sep-84 09:06:40 EDT

References: <505@loral.UUCP>
Organization: Looking Glass Software, Waterloo, Ont
Lines: 16

I just can't believe the people who are complaining about this price.

Unless I miss my guess, Apple is taking a LOSS selling those boards at
that price. Is there something I am missing?

Normally, hardware products cost at least 5 times their parts cost at
the retail level. Even if Apple is paying only $20 per chip they are
in bad shape.   They have to replace the complete board, as I heard.

Now if you want a real gouge, take the original Mac. That costs less
than $200 in parts, and they sell it for $2500 in the USA. I guess they
sold it for this high price to help pay for the cost of the upgrade.

In other words, get the upgrade, you've already paid for it!
--
Brad Templeton, Looking Glass Software Ltd. - Waterloo, Ontario 519/884-7473

From 2545877415000236161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4967f50d99d5dda,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 21:09:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site sol1.UUCP
Path: utzoo!watmath!clyde!akgua!sol1!s170
From: s170@sol1.UUCP (s170)
Newsgroups: net.micro.apple
Subject: Mac Modula
Message-ID: <198@sol1.UUCP>
Date: Fri, 28-Sep-84 00:09:05 EDT
Article-I.D.: sol1.198
Posted: Fri Sep 28 00:09:05 1984
Date-Received: Sat, 29-Sep-84 10:04:17 EDT
Distribution: net
Organization: THE SOLUTION, Lincoln, NE
Lines: 9

<obligatory line-eater sacrifice>

For those of you interested in Mac Modula, the folks at Modula Corp
told me on Tuesday (9/25) that they will be shipping Modula on Thursday
(9/27) (today).

   Let's hope...
     Russ Schnapp (...akgua!sol1!s170)
*** REPLACE THIS LINE WITH YOUR MESSAGE ***

From 3500950705500623710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,40e8ca7b66ec6175,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 23:23:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 8/28/84; site qumix.UUCP
Path: utzoo!watmath!clyde!akgua!whuxle!harpo!decvax!decwrl!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.apple
Subject: mac info wanted
Message-ID: <115@qumix.UUCP>
Date: Fri, 28-Sep-84 02:23:32 EDT
Article-I.D.: qumix.115
Posted: Fri Sep 28 02:23:32 1984
Date-Received: Sat, 29-Sep-84 10:05:39 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 20

As a new owner of a Macintosh, I'm a bit bewildered by all this anger vented at Apple. I admit to some empathy to those upset by Apple's marketing strategy but I think when you're up against big blue, you have to do something to survive. Some of the stuff is a bit overpriced but I love my Mac so I guess I'll grin and bear it. I think the idea of waiting until you're sure about buying is correct. I also feel that not buying something unless you really NEED it is a good idea. NEC and some others are coming out with Mac compatible printers in the next few months I hear so I'm going to hold off on getting an imagewriter.

Q: Public domain software for Mac--I don't have a modem on my Mac yet but I'll gladly send a blank disk, SASE, or donation to anyone who can get me some uncopyrighted SW.

Q: Anyone use MacForth or do any applications programming or find out what it really takes to do 68000 assy lang programming on the thing? Also, any news on Modula-II for Mac yet? Is the Basic package any good (i.e. speed, bug-free, etc)?

Q: Is there a net.micro.apple.mac yet?

From 7681529213662958300
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 04:53:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Fortune) 6/7/84; site dmsd.UUCP

Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!decwrl!amd!fortune!
hpda!dmsd!bass
From: bass@dmsd.UUCP (John Bass)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <145@dmsd.UUCP>
Date: Fri, 28-Sep-84 07:53:13 EDT
Article-I.D.: dmsd.145
Posted: Fri Sep 28 07:53:13 1984
Date-Received: Sun, 30-Sep-84 03:26:35 EDT
References: <1267@unm-cvax.UUCP> <142@dmsd.UUCP> <2280@tekig.UUCP>
Lines: 53

OK ... OK ... so I forgot the Mac didn't have parity ... but it doesn't
change the numbers much ... since I omited the tally of costs associated
with taking in the return, issuing credits, testing, stocking, repair ...
which certainly over $60.

For those who think that Apple can just name a price they want to pay for rams
 ... think again ... the semi producers will sell them for the highest bid.
The fact is that the semi producers are coming online faster than the customers
RIGHT NOW (and just like 1981 and 64k parts) ... but who has been shipping
256k parts in real volume (not just ramp up volumes) ... NOBODY!

Who wants to be shipping product with 256k parts ... ALMOST EVERYONE.

Anyone who can predict short run prices for 256k parts is a very valuable
person ... their are both those betting on fast fall and those betting on
a rise followed by a 12-18 month slow fall. Given pricing on other hot
semi products released in the last 4-6 years I lean toward shortages 3-6 months
out on 256k parts ... and the resulting flatness or rise in prices as
most major system houses come on line using the parts.

Sure the price will drop to around $3.50 a part within a few years ... but
that is not today.

Apple is in this market to make money ... for them to decide on shipping
product at zero markup (net loss) is VERY KIND ... for those who continue
to fume at this assertion please go back and look at Apples quarterly earnings
for the last year ... they have missed taking big losses by a hair or less.
Last Oct-Dec ... the big christmas sales ... they cleared a profit by
accident ... many of us expected them to follow the rest of the market and
declare sizable losses ... not yet but turning down profits on 100,000 mac
upgrades could do it.

As for the fella's from Fortune and Tektronics ... it's nice of you to collect
pay checks from companys that still price their 64k drams with the 1981 market,
and always ship product above a 2.5x multiplier ... it's truly nice to
throw rocks at apples profits when your own pay check comes from someone
taking what the market will bare ...

STOP BAD MOUTHING APPLE ... atleast it is still giving people jobs in
AMERICA ... and not over seas like Atari and a growing number of other

small computer makers.

If you want to set an example for charity ... start with your own pay check ...
give 75% of it to a good cause ... sell your home, computer, car, stero,
and color tv and donate the procedes to charity. Then you might have a cause
for asserting that others (like APPLE and its employees) should also be
revenue source for charity.

John Bass

The fair price for the upgrade today is $1500-$2000 ... enjoy the kindness
of Apple in pricing that IBM, DEC, Tandy, TEKTRONICS, and everyone else
aren't likely to give.

From 3329434045709505606
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c44da6d1c9adc80,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 08:18:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 8/9/84; site apollo.uucp
Path: utzoo!watmath!clyde!akgua!whuxle!harpo!decvax!wivax!apollo!nazgul
From: nazgul@apollo.uucp (Kee Hinckley)
Newsgroups: net.micro.apple
Subject: Re: Lisps for Apple
Message-ID: <2209ae6f.8e4@apollo.uucp>
Date: Fri, 28-Sep-84 11:18:56 EDT
Article-I.D.: apollo.2209ae6f.8e4
Posted: Fri Sep 28 11:18:56 1984
Date-Received: Sat, 29-Sep-84 10:18:13 EDT
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 15

<Why is the name for "lisp" if anyone with it can't say it?>

I'm working on porting XLISP, the public domain lisp that came
across the net recently. I actually have a port of the original
version, but it really doesn't have the power of XLISP 1.2. I'll
certainly let people know when the new port is available if there
is any interest. As for commercial lisps for the apple, don't get
your hopes up. There are some out there that run under Apple cpm,
but the only one I've seen running on native 6502 didn't even have
garbage collection, and when I called the company and asked them
what lisp it was based on the salesman didn't know what I was talking
about.

-kee
...decvax!wivax!apollo!nazgul

From 2637279232191231784
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,e166854527f51126,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 08:23:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!akgua!whuxle!spuxll!abnjh!u1100a!pyuxn!pyuxww!gamma!
ulysses!mhuxj!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Macterminal 1.1 problems solved
Message-ID: <415@aluxe.UUCP>
Date: Fri, 28-Sep-84 11:23:57 EDT
Article-I.D.: aluxe.415
Posted: Fri Sep 28 11:23:57 1984
Date-Received: Sat, 29-Sep-84 10:33:07 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 17

[]

Thanks to the nice netlanders my macput, macget problems are solved.

For version 1.1:
Under "File Transfer..." the selection for "Remote System" must be
"* Macterminal" NOT "o Other" for macput and macget to work. I also
found that I got into trouble by not turning off the XON/XOFF handhaking,
(1200bd) though it worked with the prerelease. If you are hardwired you should
be O.K..

Thanks to the many who responded..

Lonnie Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From 5834133049186048367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,997344bc2ee950eb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 12:34:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: How to clean motherboards? (reposting)
Message-ID: <231@ssc-bee.UUCP>
Date: Fri, 28-Sep-84 15:34:23 EDT
Article-I.D.: ssc-bee.231
Posted: Fri Sep 28 15:34:23 1984

Date-Received: Thu, 4-Oct-84 02:25:49 EDT
Organization: Boeing Aerospace, Seattle
Lines: 20

....
     (I don't know if the original posting made it to the net.
     Certainly, replies never made it to me. If this is a
     reposting, please send replies directly to me.)

     My Apple motherboard has gotten quite dusty from
     running without the top, and I suspect oxidation
     has occurred to some of the socket and chip contacts.
     I want to clean up all the contacts. Is it safe to
     immerse the whole board with all chips, resistors,
     capacitors, etc. in place? If so, what cleaning
     agent is recommended? Is it likely to help?

     Thanks.

--
     Mike Eve   Boeing Aerospace, Seattle
     ...uw-beaver!ssc-vax!ssc-bee!eve

From -1580298196678995438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ece1fcbb31ed2e5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 12:37:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: High density floppy advice? (reposting)
Message-ID: <232@ssc-bee.UUCP>
Date: Fri, 28-Sep-84 15:37:54 EDT
Article-I.D.: ssc-bee.232
Posted: Fri Sep 28 15:37:54 1984
Date-Received: Thu, 4-Oct-84 02:26:08 EDT
Organization: Boeing Aerospace, Seattle
Lines: 26

     (I don't know if the original posting made it to the
     net. If this is a reposting, please send replies
     directly to me.)

     Despite my previous flames about Apple Computer, the Company,
     I am buying an Apple Computer][e to replace my aging
     ][. With the low price of][e's (<$700), I will stick

with my software library another year or so waiting
for the real Mac (color, etc.).

In the meantime, I want some disk storage. I mean 140k
is a drag, and with Prodos heirarchial directories almost
totally inadequate.

Your help is solicited. I want a high-density (:=) drive,300k or more.
I know of the Rana drives. Has anyone heard of anything else?
Please also tell me if the drive will read/write standard disks
(so I can share data with friends) and how easy it was to install
the drives under Prodos (if you have it).

Thanks.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From 2005469402207742319
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 13:37:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!akgua!whuxle!harpo!decvax!ittvax!dcdwest!sdcsvax!sdcc6!
loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro,net.micro.apple
Subject: Re: The Apple Shaft
Message-ID: <517@loral.UUCP>
Date: Fri, 28-Sep-84 16:37:22 EDT
Article-I.D.: loral.517
Posted: Fri Sep 28 16:37:22 1984
Date-Received: Sat, 29-Sep-84 10:18:55 EDT
References: <515@nmtvax.UUCP>
Lines: 14

I think that the long dissertation regarding the MAC is
getting a little ridiculous.
I think people are exhibiting just a bit much animosity because
the upgrade is not as inexpensive as one would like. I think
people in manufacturing will have a better appreciation of the
cost.
What I cannot understand is if those who bought early never liked
the machine or felt it didn't fit their needs----why buy it?
Why not wait 6 mos.? I never buy the first anything.
Perhaps, the childish desire to be 'the first on the block with
a Macintosh' prevailed over the common or consumer sense of those

early buyers.

{ that should certainly generte some fire }

From 7482385202252913724
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,60b39d67ac7761ac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 13:37:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site gitpyr.UUCP
Path: utzoo!watmath!clyde!akgua!gatech!gitpyr!tynor
From: tynor@gitpyr.UUCP (Steve Tynor)
Newsgroups: net.micro.apple
Subject: DAC questions
Message-ID: <249@gitpyr.UUCP>
Date: Fri, 28-Sep-84 16:37:54 EDT
Article-I.D.: gitpyr.249
Posted: Fri Sep 28 16:37:54 1984
Date-Received: Sat, 29-Sep-84 10:19:46 EDT
Distribution: net
Organization: Georgia Institute of Technology
Lines: 42

<is this *really* necessary?>

Help! I'm in the final planning stages of constructing a micro-based music generation system. I'll be generating samples in software and sending them to a D/A converter. Is there anyone out there who can offer some advice and guidance with respect DACs? I'd like to use the new 512K Mac (great graphics, and you just can't beat the mouse... I know, I know, I'll wait till I see a good programing language out there.), but it's only contact with the outside world is an RS-422 serial port. My questions:

1) I'll be generating samples at 10K-40K Samples per second. I'd like to use a 14/16 bit converter, so I'll need to talk to te DAC at 160K-640K bits/sec. Can the RS-422 do it? (I'm assuming for the sake of argument that the Mac will be able to send them fast enough. I won't know for sure until I see a real C or Pascal compiler, or an assembler...)

2) The DAC will need the following features:
   a) fast enough conversion

   b) ability to talk 'serially'

   c) 14/16 bit conversion

   d) (optional) I'd like to have a stereo output. (I realize that my sample rate just doubled...)Are reasonably

priced multiplexed DACs out there?

e) The converted signal will have to be filtered at half the sample rate. Since I'll be varying the sample rate from time to time, it would be nice to have this cutoff frequency set from software. Is it possible to get a filter onboard the DAC?

You may have gathered that I'm not very conversant with I/O. I'd appreciate any help or suggestions.

Steve Tynor
Georgia Institute of Technology
...{ihnp4, harpo}!gatech!gitpyr!tynor

From -229874313212068191
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e50443f9edebcc49,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 14:03:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihuxe!creature
From: creature@ihuxe.UUCP (rnf)
Newsgroups: net.micro.apple
Subject: Info needed about drum synthesizers for the Apple.
Message-ID: <865@ihuxe.UUCP>
Date: Fri, 28-Sep-84 17:03:11 EDT
Article-I.D.: ihuxe.865
Posted: Fri Sep 28 17:03:11 1984
Date-Received: Sat, 29-Sep-84 09:09:13 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 6

Does anyone have information about drum synthesizers for the Apple?
I've read two articles about the PVI Drum-Key but have been
unable to find this interface in any store or catalog. I called the
manufacturer of the Drum-Key - they said they would call me back
but they never returned my call.

From -7565597285032546540
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,1bd4aba13354517b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1bd4aba13354517b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 14:30:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site plus5.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!mgnetp!we53!busch!wuphys!gang!
plus5!max

From: max@plus5.UUCP (R. Max Mutrux)
Newsgroups: net.micro,net.micro.apple
Subject: SUMEX wanted
Message-ID: <479@plus5.UUCP>
Date: Fri, 28-Sep-84 17:30:07 EDT
Article-I.D.: plus5.479
Posted: Fri Sep 28 17:30:07 1984
Date-Received: Sat, 29-Sep-84 10:09:51 EDT
Distribution: net
Organization: Plus Five Computer Services, St. Louis
Lines: 11

[]

Can Anybody in net.land mail me information on how to get
SUMEX. Or, if it's possible go ahead and send me SUMEX.
That is if it's public and free and all that stuff.

Thanks in advance

--
(char)Max_Mutrux ..ihnp4!plus5!max
Saint Louis, Mo.

From 7679780619321375411
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 15:22:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!akgua!whuxle!harpo!decvax!ittvax!dcdwest!sdcsvax!sdcc6!
loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <518@loral.UUCP>
Date: Fri, 28-Sep-84 18:22:34 EDT
Article-I.D.: loral.518
Posted: Fri Sep 28 18:22:34 1984
Date-Received: Sat, 29-Sep-84 10:19:11 EDT
References: <2280@tekig.UUCP>
Lines: 5

It seems to me that those individuals that quote the price of
memory chips as the rationle for a lower price on the Mac
upgrade need to take a course in cost accounting. It is
not as cut and dry as labor and materials.

From -1618280211475135787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c67eb1cc65a4ab29,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c67eb1cc65a4ab29,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 16:08:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!hao!seismo!cmcl2!
lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Apple][e conversion from mother board verson A to version B
Message-ID: <10@unm-cvax.UUCP>
Date: Fri, 28-Sep-84 19:08:45 EDT
Article-I.D.: unm-cvax.10
Posted: Fri Sep 28 19:08:45 1984
Date-Received: Sun, 30-Sep-84 04:38:29 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 19
Xref: 7994 1208

[Another bug bytes the bus]

A few weeks back somebody mentioned updates from Apple][e mother board
 version A to version B. Could the person(s) who were talking about
 that please send me a note.

I called my Apple store and they said that they would be happy to
 Update my apple....

        [Just bring us something to say that we are suposed to].

Send me mail . . . I   L O V E mail

           Even dumb letters... It helps my ego :-)

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -31966566784605487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 17:28:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watmath.UUCP
Path: utzoo!watmath!jsgray
From: jsgray@watmath.UUCP (Jan Gray)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: $995 is a rediculously low price for the memory upgrade
Message-ID: <9213@watmath.UUCP>
Date: Fri, 28-Sep-84 20:28:20 EDT
Article-I.D.: watmath.9213
Posted: Fri Sep 28 20:28:20 1984
Date-Received: Sat, 29-Sep-84 09:21:57 EDT
References: <505@loral.UUCP>, <189@looking.UUCP>
Organization: U of Waterloo, Ontario
Lines: 5

What is Apple going to do with the thousands of 128K boards they will
be removing? Putting them in new cases and reselling them? Throwing
them away?

Jan Gray (jsgray@watmath.UUCP)   University of Waterloo   (519) 885-1211 x3870

From 591430871211186780
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,552cc39f59e2eb3e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 18:04:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site phs.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!mcnc!duke!phs!lisa
From: lisa@phs.UUCP (Jeff Gillette)
Newsgroups: net.micro.apple
Subject: Foreign languages on micros: a summary
Message-ID: <938@phs.UUCP>
Date: Fri, 28-Sep-84 21:04:25 EDT
Article-I.D.: phs.938
Posted: Fri Sep 28 21:04:25 1984
Date-Received: Sun, 30-Sep-84 03:26:03 EDT
Organization: Duke Physiology
Lines: 135

<>

Four weeks ago I posted a request for information on foreign language
word processing on micros. In light of the surprising amount of interest
in the subject, I would like to summarize the responses I received for
the net.

First, special thanks to each one who sent information and samples of
non-roman alphabet word processing. I regret that I was not able to
answer every response, but each of you are greatly appreciated.

Second, I have not been able to check out all of the various products and claims made. Thus I am taking each response at face value, and simply describing what has been presented to me.

Perhaps to no one's surprise, the consensus of opinion is that the greatest potential for foreign language work is on the Macintosh. The "Quick Draw" graphics package treats all text as bit-mapped images, thus allowing complex patterns like Greek letters with accents and subscripts, or Arabic characters that scroll down the screen. The only hitch is that no standard exists for non-roman fonts, and the use of existing packages outside of a word processing environment is not attested.

Keith Sproul (at Rutgers University) is advertising two Mac disks worth of public domain fonts - including math, Greek, Cyrillic, German, music, and special interest fonts. Keith is asking $12 to cover the costs. He can be reached at

Keith Sproul
698 Magnolia Road
North Brunswick, NJ 08902

S.M. Kastendiek (from Chicago) was kind enough to send me samples of Greek text produced on a Mac and Imagewriter. The quality is rather high (good for private distribution - mass printing, however, may be questionable). The Greek does a good job printing diacritical marks. I have not, however, seen the user interface for them. The diacritics software is available from Ms. Kastendiek for $25. She can be contacted at

(Ms.) S.M. Kastendiek
5760 S. Blackstone Ave.
Chicago, IL 60637

I am told that vendors are working on Hebrew and Arabic. Mark Cutter (DEC Western Research Lab?) has started on Tamil and Devanagari - two Southeast Asian languages.

The other major option for foreign language work (also no surprise) appears to be the IBM PC.

Academic Font is a card/software package that handles Greek, roman, and italic fonts on the PC. It claims to support several popular dot matrix printers, as well as the Diablo 630 daisy wheel printer. The samples I have seen (from an Epson FX-80 and an Okidata m-92) are adequate, and handle full diacritical markings. I have not seen how the screen display is handled. Supported word processors include Final Word, Perfect Writer, and Mark of the Unicorn's Edix/Wordix.

University MicroComputers
1259 El Camino Real, Number 170

Menlo Park, CA 94025

Brit Company markets a scientific word processor that (reportedly) generates characters "on the fly", and thus allows sophisticated character combinations (i.e. accent marks, etc.) by overstriking. My information here is scanty, but I understand that it requires a Hercules graphics card and a good quality dot matrix printer (like the Epson LQ1500). Apparently it prints all text in graphics mode (and thus should come close to the flexibility of the Macintosh). I believe Brit is in Philadelphia, but I am afraid I do not have their address or cost information.

For Hebrew, Arabic, Farsi, and Urdu, an Israeli company that makes word processing software for the PC is distributing through a company in Los Angeles. I have not seen any samples of their work, but I am told they are "quite proud" of their products ability to handle left-to-right languages and right-to-left languages simultaneously.

Kelmar Corporation
5456 McConnell Ave.
Los Angeles, CA 90066
attn Adriana Karin Vernon   (213) 827-1200

Other possible solutions for the PC include generating printer characters using "Fancy Font" (the sample text I have seen is acceptable, but I assume that screen display is normal roman font). Image Processing Systems (Madison, WI 50705) has a Proofwriter word processor which, they claim, will handle foreign characters via custom PROMs (I do not know if they also support printers).

The "ideal" solution seems to be the Xerox Star workstation. The Star is the beneficiary of the Smalltalk philosophy (developed at Xerox PARC) which is the basis of the Macintosh user interface. An article in Scientific American earlier this year ("Multilingual Word Processing" by Joseph Becker) outlines the Star's capabilities (outstanding copy, comprehensive languages). Unfortunately, the Star is very expensive ($10,000+ per workstation, plus Ethernet, dedicated file and print servers, and a Laser printer). It is also a closed box (the operating system is the best kept secret in town), and incredibly slow (I am told all the software is written in a dialect of Pascal). The Star is, however, the only "turnkey" foreign language word processor of which I am aware.

Other possibilities include the Victor 9000. Ivo Welch at Columbia University Linguistics Department is developing an Emacs/Scribe type editor that will handle 254 characters and right-left cursor movement. My own work with the Victor 9000 has produced DUKEFONT, a BIOS screen patch that allows up to 16 font sets and screen attributes to be displayed in word processing, communications, and programming applications.

Finally, Steve Haflich at MIT has suggested that some graphics terminals (notably the VT100) support downloadable character sets. Thus a text editor in a UN*X environment could display foreign language characters, and the result printed through some type of customized *roff interface. I am not aware, however, of any such product currently available.

Again, I thank all of you who were kind enough to respond to my request for information. I remain interested in hearing of any attempts to work with non-roman alphabets on micro computers, and am more than willing to pass along any information of which I am aware.

Jeff Gillette ...!duke!phs!lisa
The Divinity School
Duke University
Durham, NC

From 8245025438632798294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e1c82b53f6502d3a,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,e1c82b53f6502d3a,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-28 18:38:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!dartvax!markv
From: markv@dartvax.UUCP (Mark Vita)
Newsgroups: net.micro,net.micro.apple
Subject: Cost of Macintosh 512K Upgrade
Message-ID: <2435@dartvax.UUCP>
Date: Fri, 28-Sep-84 21:38:01 EDT
Article-I.D.: dartvax.2435
Posted: Fri Sep 28 21:38:01 1984
Date-Received: Sun, 30-Sep-84 03:24:24 EDT
Organization: Dartmouth College
Lines: 62

<...>

I just heard that the upgrade to the 512K Mac will cost $995.
My next question is: is Apple out of its collective mind?
I think this price is pretty outrageous. I am a firm believer that the upgrade should have been free to all current Mac owners, or at worst, available at a heavy discount. There are few reasons for this belief.

1) I don't think too many people out there will disagree that 128K is simply not enough standard RAM for serious applications work. There should have been 256K or 512K in the standard Mac.

2) There is reason to believe that there is quite a substantial extra profit margin in the price of the Mac, since Apple alledgedly considered seriously a price of $1995 before deciding on $2495. Certainly, this $500 cushion is enough to pay the cost to Apple of upgrading a Macintosh, or pretty close to it.

3) (I think I first read this point in BYTE). One of the major facets of the Macintosh design philosophy was that there would be only one standard configuration. This would allow developers to more easily implement applications, etc. since all Macs would have identical architecture. However, by offering an expensive upgrade which the majority will probably not be able to afford, Apple is creating a second standard and violating their own philosophy. Also, since most of the really useful and complex applications will be written for the 512K version, someone with a 128K version with not enough funds to upgrade will be condemned to mediocrity. The only way Apple could maintain their goal of standardization would be to offer a free upgrade to all current Mac owners.

4) Lastly, a more emotional reason. When Apple put out the Macintosh, most agreed it was pretty amazing, but seriously questioned its practicality--it seemed to be a rather experimental design. It was do or die for Apple; at one point Jobs said something along the lines that if the Mac didn't sell, the Apple would deserve a place as a second-rate computer company. They took quite a risk by putting out something so radically different than anything else on the marketplace. It turned out that many of us who saw the Mac's potential bought one, helping the machine through it's uncertain infancy and making it one of the best-selling personal computers in recent years. Now it seems that Apple is giving those same buyers a cold slap in the face by effectively making their machines obsolete, unless, of course, they can manage to come up with the exorbitant sum they are charging for the upgrade. Personally, I think this is a pretty crappy attitude.

I think the only way Apple will reconsider is if they receive an loud outcry from current Mac owners. I'd like to organize some sort of letter campaign or some such thing--I'm open to suggestions. If we can get a huge number of protesting letters pouring into Apple, maybe we can get their absurd upgrade policy to be more reasonable.

Comments?

--

Mark Vita
Dartmouth College
{decvax,cornell,linus}!dartvax!markv

From -2230551809415260657
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 129c11,37a48fdf8ff44136,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,37a48fdf8ff44136,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 21:15:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro,net.micro.apple
Subject: Mac vs. VAX 11/780
Message-ID: <416@aluxe.UUCP>
Date: Sat, 29-Sep-84 00:15:31 EDT
Article-I.D.: aluxe.416
Posted: Sat Sep 29 00:15:31 1984
Date-Received: Sun, 30-Sep-84 02:28:55 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 29

[]

I just received my Aztec C68k development system. It looks GREAT!!!
Later on I will give a full review after I have had a chance to
roll around in it.

Results of the "sieve" benchmark (10 iterations) are as follows:

```
            128k Mac   |    Vax 11/780
            Aztec C68k |    System 5.0
---------------------------------------
Execute:      3.8 sec  |      1.43 sec (user)
in RAM                 |
---------------------------------------
Size:       4952 bytes |     5734 bytes
executable             |
---------------------------------------
Compile/               |
assemble/    69 sec    |      1.7 sec (user)
load                   |
---------------------------------------
```

Not bad for a little Mac.

Lonnie Abelbeck
AT&T Bell Laboratories
aluxe!lra

From -6616611259812762304
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc867dfbf71cd68c

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-28 22:01:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!mhuxi!charm!web
From: web@charm.UUCP (James Gittelson)
Newsgroups: net.micro.apple
Subject: Re: another article re: apple & the usa
Message-ID: <505@charm.UUCP>
Date: Sat, 29-Sep-84 01:01:03 EDT
Article-I.D.: charm.505
Posted: Sat Sep 29 01:01:03 1984
Date-Received: Sun, 30-Sep-84 02:34:56 EDT
References: <414@aluxe.UUCP>
Organization: Physics Research @ AT&T Bell Labs Murray Hill NJ
Lines: 13

yep, apple certainly charges too much for their computers.

but you other people that complain about the price being too high, and then the proce dropping, just isn't kool.

you people are being contradictory. shut yer face! what has been said by some just doesn't wash.

y'all just ought to be shot where you think, (or try to).

i don't like everything about the company, i also hat the dealers, but let's think about the alternatives.

please hmm

this subject is late.

From -6153402053451294344
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-29 04:21:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site redwood.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!decwrl!amd!fortune!foros1!redwood!rpw3
From: rpw3@redwood.UUCP (Rob Warnock)
Newsgroups: net.micro,net.micro.apple
Subject: Re: The Apple Shaft
Message-ID: <53@redwood.UUCP>
Date: Sat, 29-Sep-84 07:21:54 EDT
Article-I.D.: redwood.53
Posted: Sat Sep 29 07:21:54 1984

Date-Received: Mon, 1-Oct-84 03:32:43 EDT
References: <515@nmtvax.UUCP> <141@cadovax.UUCP>
Organization: Rob Warnock, Redwood City, CA
Lines: 25

+---------------
| ...Remember the good old days when Wordstar was considered a BIG
| program in 24k? ...
|
| Keith Doyle
| {ucbvax,decvax}!trwrb!cadovax!keithd
+---------------

No, I skipped that generation. But in MY "good ol' days" an 8K-word PDP-8
(12K byte-equivalent) comfortably ran TECO (an editor), TED (a screen editor
written in TECO), and even *gasp* FORTRAN (both the compiler and user programs).
Of course, with 12K (18 Kbyte-equiv) you could run the batch system, or even
foreground/background multi-tasking real-time (keep editing and compiling while
you control and collect data from those experiments [plural] in your lab).
Oh yeah, and about a half-million instructions per second. And cheaper than
a Mac.

(So, there!)

Rob Warnock

UUCP: {ihnp4,ucbvax!amd}!fortune!redwood!rpw3
DDD: (415)369-7437
Envoy: rob.warnock/kingfisher
USPS: Suite 203, 4012 Farm Hill Blvd, Redwood City, CA 94061

From 2365830618561646973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ad467412cf84c2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-29 10:37:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxt.UUCP
Path: utzoo!linus!decvax!harpo!whuxle!spuxll!abnjh!u1100a!pyuxn!pyuxww!gamma!
ulysses!mhuxj!mhuxm!mhuxv!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: MacPascal out
Message-ID: <272@mhuxt.UUCP>
Date: Sat, 29-Sep-84 13:37:10 EDT
Article-I.D.: mhuxt.272
Posted: Sat Sep 29 13:37:10 1984
Date-Received: Tue, 2-Oct-84 03:25:53 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 6

<>

For those of you who have been waiting for MacPascal, I found it at my
dealer (central NJ) last night for $125.

Steve Crandall
ihnp4!mhuxt!evans

From 735519988166792651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e1c82b53f6502d3a
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e1c82b53f6502d3a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-29 17:25:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site qubix.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!decwrl!sun!qubix!msc
From: msc@qubix.UUCP (Mark Callow)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Cost of Macintosh 512K Upgrade
Message-ID: <1390@qubix.UUCP>
Date: Sat, 29-Sep-84 20:25:14 EDT
Article-I.D.: qubix.1390
Posted: Sat Sep 29 20:25:14 1984
Date-Received: Mon, 1-Oct-84 03:33:07 EDT
References: <2435@dartvax.UUCP>
Organization: Qubix Graphic Systems, Saratoga, CA
Lines: 8

Obviously Apple should have listed the upgrade for $2000 and offered
all current Mac. owners a 50% discount. :-)
--
From the TARDIS of Mark Callow
msc@qubix.UUCP, qubix!msc@decwrl.ARPA
...{decvax,ucbvax}!decwrl!qubix!msc, ...{amd,ihnp4,ittvax}!qubix!msc

"Nothing shocks me. I'm an Engineer."

From -2617726787230979079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,77ffec80d83920c7,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,77ffec80d83920c7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-29 21:18:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1h.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!cbosgd!ihnp4!ihu1h!jxm
From: jxm@ihu1h.UUCP (Joe Mertz jr.)
Newsgroups: net.micro,net.micro.apple
Subject: info needed about "Simply Perfect" software
Message-ID: <352@ihu1h.UUCP>

Date: Sun, 30-Sep-84 00:18:21 EDT
Article-I.D.: ihu1h.352
Posted: Sun Sep 30 00:18:21 1984
Date-Received: Wed, 26-Sep-84 05:29:18 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 18

I would appreciate any information on the quality/usefullness/price/etc.
for a package called "Simply Perfect". Supposedly it is a package
consisting of a word processor, a spell checker, and data base manager.

Also, does anyone have a suggestion of any other software that
runs on apple-ish machines and performs similar functions
with good price/performance.

A friend requested the information and I know nothing of what is
available, so any help at all will be appreciated.

Please reply to:
--Joe Mertz
  ..!ihnp4!ihmax!jxm

From -7239513169439328886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,608555459809153b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-29 22:16:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site uwvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!anderson
From: anderson@uwvax.UUCP (David P. Anderson)
Newsgroups: net.micro.apple
Subject: Apple disk drive recalibration (query)
Message-ID: <453@uwvax.UUCP>
Date: Sun, 30-Sep-84 01:16:06 EDT
Article-I.D.: uwvax.453
Posted: Sun Sep 30 01:16:06 1984
Date-Received: Tue, 2-Oct-84 03:32:27 EDT
Distribution: net
Organization: U of Wisconsin CS Dept
Lines: 12

<>
A while back I bought a second drive, Shugart mechanism, for my apple][.
It works OK, except that the first time it is accessed after power-up,
it apparently seeks past track 0, making the nasty hammering sound.
The original Apple drive doesn't do this. I am worried that the second
drive is having alignment problems because it occasionally stops being
able to read certain files.

Has anyone else had this problem and/or learned how to solve it?

Does the controller treat both drives equally?

David Anderson (uwvax!anderson)

From 1732777029116566772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,299851a81be13fdf,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,299851a81be13fdf,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12c65a,299851a81be13fdf,start
X-Google-Attributes: gid12c65a,public
X-Google-ArrivalTime: 1984-09-29 23:08:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 8/28/84; site qumix.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxle!harpo!decvax!decwrl!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.cbm,net.micro.apple,net.micro
Subject: vicmodem to rs422
Message-ID: <117@qumix.UUCP>
Date: Sun, 30-Sep-84 02:08:15 EDT
Article-I.D.: qumix.117
Posted: Sun Sep 30 02:08:15 1984
Date-Received: Mon, 1-Oct-84 04:25:28 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 9

I own a vicmodem for my commodore vic20 and recently bought a
macintosh. The mac has a RS422 modem port. Has anyone tried making a
cable to convert the vicmodem to RS422 or RS432? I realize this is
really off the wall but I think there is a chance to make this work. I
just don't want to be the first on the block and damage something.

Also, has anyone tried tackling the software/hardware interface to make
a commodore 1525 printer work with the Mac? I know some limited
conversions have been done with qume and epson and others.

From 8240750360629371946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ef4417f801edff4e,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,ef4417f801edff4e,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,ef4417f801edff4e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-30 18:52:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 8/28/84; site qumix.UUCP
Path: utzoo!linus!decvax!decwrl!amd!qumix!len
From: len@qumix.UUCP (Leonard Labar)

Newsgroups: net.micro,net.micro.cbm,net.micro.apple
Subject: vicmodem to rs422 conversion
Message-ID: <118@qumix.UUCP>
Date: Sun, 30-Sep-84 21:52:59 EDT
Article-I.D.: qumix.118
Posted: Sun Sep 30 21:52:59 1984
Date-Received: Tue, 2-Oct-84 05:44:07 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 9

I'm working on a vicmodem to rs422 interface for the mac. When I
have it working I will post the results to the net. I think I know
what the interface looks like. I need help verifying the connector on
the back of the mac. Does this look like the correct pinout?

```
           -------------
           \ 5 4 3 2 1 /
            \ 9 8 7 6 /
             ----------
```

From -7966545041852297125
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a307c08adaae616,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-30 21:05:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!cbosgd!ihnp4!ihu1g!djc1
From: djc1@ihu1g.UUCP (Dave Christensen)
Newsgroups: net.micro.apple
Subject: Apple II+ e/w Videx card UNIX TERMCAP/TERMINFO entries
Message-ID: <523@ihu1g.UUCP>
Date: Mon, 1-Oct-84 00:05:29 EDT
Article-I.D.: ihu1g.523
Posted: Mon Oct 1 00:05:29 1984
Date-Received: Wed, 26-Sep-84 07:46:42 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 64

UNIX SV_R2 private terminfo db for Apple II e/w Videx 80 column card:

The following procedures will create a private terminfo database for use
with an Apple II equipped with a Videx 80 column card. This IS vi
compatible at 300/1200 baud. The modem program SHOULD NOT emulate any
other terminal (it should pass control characters through without
conversion).

I've a procedure and termcap for pre-release 2 versions if there's
any interest.

The directory name ".terminfo" may be replaced whatever name you want.

UNIX Release 2:
(1) Enter these lines: TERMINFO=$HOME/.terminfo
              TERM=apple
              export TERMINFO TERM
    (These may be placed in your .profile if you wish to access your .terminfo
     with TERM=apple each time you login)
    This will access the apple data in your local .terminfo directory when
     TERM=apple. To use the system terminfo for other terminals, set
     TERMINFO to null and TERM to the terminal you use.
(2) In directory $HOME, create directory .terminfo (cd; mkdir .terminfo)
(3) Put the following source information in file "apple.ti"

```
#Terminfo for Apple II+ equipped with Videx 80 column card
#
#DO NOT use any terminal emulation with this data base, it works directly
#  with the Videx card.  This has been tested with vi 1200 baud and
#  works fine.
#
#Author:  Dave Christensen, IH, x4922
#
apple|Apple II+ w/ Videx card (similar to datamedia h1520),
     am, xenl, cols#80, lines#24, bel=^G$<100>, clear=^L$<250>, cr=^M,
     cub1=^H, cud1=^J, cuf1=^\, cup=^^%p2%' '%+%c%p1%' '%+%c, cuu1=^_,
     ed=^K$<100>, el=^], home=^Y, ht=^I, ind=^J, kcub1=^H, kcud1=^J,
     kcuf1=^\, kcuu1=^_, khome=^Y, smso=^Z3, rmso=^Z2,
#End of source
```

(4) tic -v apple.ti   # this compiles the source code, creates subdirectory
                "a" under ".terminfo" and places the data base under
                directory "a" as file "apple"
(7) run vi and check it out!

This works great for vi, except I've noticed in pre-R2, ^U will scroll back
1 screen, while in R2 ^U doesn't. I suspect there may be one more glitch to
iron out, anyone have suggestions?????

Also in R2 you can use the chsh command to set your default shell
to something other than sh (chsh /usr/1bin/ksh   will let you use
the 452 supported k shell as your default start-up shell).

I hope that I haven't insulted anyone's intelligence by this
but I've no idea of people's level of expertise.   Have fun.....
--

               Dave Christensen
            AT&T Bell Labs - Naperville, IL
                   IH 6B-203   979-4922
              ..ihnp4!ihu1g!djc1

From -1153458879252233896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc867dfbf71cd68c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-01 08:14:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: another article re: apple & the usa
Message-ID: <1183@hao.UUCP>
Date: Mon, 1-Oct-84 11:14:43 EDT
Article-I.D.: hao.1183
Posted: Mon Oct 1 11:14:43 1984
Date-Received: Tue, 2-Oct-84 07:25:27 EDT
References: <414@aluxe.UUCP> <505@charm.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 22

> yep, apple certainly charges too much for their computers.
>
> but you other people that complain about the price being too high, and then the proce dropping, just isn't kool.
>
> you people are being contradictory. shut yer face! what has been said by some just doesn't wash.
>
> y'all just ought to be shot where you think, (or try to).
>
> i don't like everything about the company, i also hat the dealers, but let's think about the alternatives.
>
> please hmm
>
> this subject is late.

With eloquence like this behind them, AT&T is well on its way
to domination of the idiot market.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 1394622679405207973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,245b00e2bcecd0bd,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,245b00e2bcecd0bd,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-01 09:09:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!eosp1!robison
From: robison@eosp1.UUCP (Tobias D. Robison)
Newsgroups: net.micro,net.micro.apple
Subject: Request for Colege Experiences with the MAC
Message-ID: <1157@eosp1.UUCP>
Date: Mon, 1-Oct-84 12:09:05 EDT
Article-I.D.: eosp1.1157
Posted: Mon Oct 1 12:09:05 1984
Date-Received: Wed, 3-Oct-84 06:02:53 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 24

References:

An early report on responses to my request for reports on the MAC at
use in colleges:

One horror story (harwdare received without software) that could
easily be someone's fault other than Apple's.

One rave for MacPascal; 40 MAC's are allowing 280 students to
learn a lot or programming.

One reminder that (some of?) the colleges have good pre-release
software, such as MacTerm.

The following individual is also using Macterminal. He figured out
(with difficulty) how to do a DB9-RS232C cable, and is now using
MACterm with a serial modem: ihnp4!stolaf!umn-cs!digi-g!brian

Please send me some more reports on large scale college MAC use.

  - Toby Robison
  allegra!eosp1!robison
  or: decvax!ittvax!eosp1!robison
  alternate: princeton!eosp1!robison

From 5708691591615738356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-01 12:31:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!linus!decvax!decwrl!amd!intelca!glen
From: glen@intelca.UUCP (Glen Shires)

Newsgroups: net.micro,net.micro.apple
Subject: Re: The Apple Shaft
Message-ID: <418@intelca.UUCP>
Date: Mon, 1-Oct-84 15:31:46 EDT
Article-I.D.: intelca.418
Posted: Mon Oct 1 15:31:46 1984
Date-Received: Tue, 2-Oct-84 06:44:02 EDT
References: <515@nmtvax.UUCP> <141@cadovax.UUCP> <53@redwood.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 36

+---------------
| ...Remember the good old days when Wordstar was considered a BIG
| program in 24k? ...
|
| Keith Doyle
| {ucbvax,decvax}!trwrb!cadovax!keithd
+---------------

> No, I skipped that generation. But in MY "good ol' days" an 8K-word PDP-8
> (12K byte-equivalent) comfortably ran TECO (an editor), TED (a screen editor
> written in TECO), and even *gasp* FORTRAN (both the compiler and user programs).
> Of course, with 12K (18 Kbyte-equiv) you could run the batch system, or even
> foreground/background multi-tasking real-time (keep editing and compiling while
> you control and collect data from those experiments [plural] in your lab).
> Oh yeah, and about a half-million instructions per second. And cheaper than
> a Mac.
>
> (So, there!)
>
> Rob Warnock

The PDP-8 we used in high school had 16K twelve-bit words (24Kbytes)
and ran time-sharing TSS-8 with up to 8 users [8Kwords for the
operating system and 4Kwords for each user (swapped in&out from disk)].
We had a very good chess program that ran in 4Kwords (6Kbytes).

Theorem: if you have a lot of memory, you use it.
Corrolary: if you don't have it, you make do.

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd!intelca!glen"@BERKELEY
\-/   --- stay mellow

From 5898082153678692945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4d95ffeb2b2a790,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-02 06:46:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 7/1/84; site wuibc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!wuibc!etm
From: etm@wuibc.UUCP (Ed Macke)
Newsgroups: net.micro.apple
Subject: Need doc'n for 80-column board
Message-ID: <105@wuibc.UUCP>
Date: Tue, 2-Oct-84 09:46:10 EDT
Article-I.D.: wuibc.105
Posted: Tue Oct 2 09:46:10 1984
Date-Received: Thu, 4-Oct-84 01:09:53 EDT
Distribution: net
Organization: Washington U. in St. Louis, Institute for Biomedical Computing
Lines: 18

[]

I've recently purchased a used Smarterm][80-column card (sans documentation)
for my Apple][+. I haven't seen any recent ads for the manufacturer
(Advanced Logic Systems), so I'd like to know if anyone in netland has
any information on the following:

1. Is Advanced Logic Systems still in business, and if so, what is their
   current address/telephone #?

2. Does anyone have documentation for this card? I'm particularly interested
   in the control card sequences for activating the card's features. Also,
   a listing of the ROM code would be great.

If you can help with either of these, please respond by mail to
...!ihnp4!wucs!wuibc!etm. Thanks in advance,

Ed Macke

From 5960112935176459738
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,797ee8485a061392,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,797ee8485a061392,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-02 08:58:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro,net.micro.apple
Subject: AZTEC C for Prodos
Message-ID: <457@sftig.UUCP>
Date: Tue, 2-Oct-84 11:58:39 EDT
Article-I.D.: sftig.457
Posted: Tue Oct 2 11:58:39 1984

Date-Received: Wed, 3-Oct-84 23:58:20 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 24

The following seems to have gotten mangled in transmission the last time I sent it out. So I am submitting it again. Sorry if you have alread seen it.

I just talked to somebody at MANX (Sorry! I didn't get his name.) about the prodos version of Aztec C. He said that they were shooting for getting it out by Christmas. He also said that the upgrade to the prodos version from the dos3.3 version would run 100 dollars. That makes 300 dollars for the whole package. 300 dollars was also the price he mentioned for the package itself if you didn't already have the dos3.3 version.
     However, he also said something very interesting.
The prodos version would not include the source for the dos3.3 librarys. If you want them you should ask for the 'professional' version, which would cost 400 dollars. The the prodos 'personal' version would only include the source for the prodos library. He speculated that the 'professional' package would also include the 'Z' editor (which he described as a vi-lookalike) It sounds like, unless you really want the Z editor, you should not wait for christmas, but buy now and get the add on package at christmas. The price will be the same, and you will get the dos3.3 library source as a bonus.

Adding fuel to the flames!
Rick Thomas
abnjh!usenet   or   btlunix!rbt

From 6092347396973846869
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c36e298c4a2a4d1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-02 10:19:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site atvax.UUCP
Path: utzoo!linus!decvax!cwruecmp!atvax!ljr
From: ljr@atvax.UUCP (Prop)
Newsgroups: net.micro.apple
Subject: TEC Daisy Printer FP1500
Message-ID: <126@atvax.UUCP>
Date: Tue, 2-Oct-84 13:19:03 EDT
Article-I.D.: atvax.126
Posted: Tue Oct 2 13:19:03 1984
Date-Received: Thu, 4-Oct-84 06:30:24 EDT
Distribution: net
Organization: Applied Technology Ventures, Cleveland, OH
Lines: 12

We have a used TEC (C.Itoh) daisy wheel printer, 40 cps, that will SERIAL interface with the Apple II series (as well as other micros).

FOB Cleveland, $350.00

L.J. Regula
216-589-9137

..decvax!cwruecmp!atvax!ljr

From -4455737062554682086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,60094c23ba5e6af9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-02 11:06:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site analog.UUCP
Path: utzoo!linus!decvax!tektronix!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: Request for Mac C info
Message-ID: <150@analog.UUCP>
Date: Tue, 2-Oct-84 14:06:01 EDT
Article-I.D.: analog.150
Posted: Tue Oct 2 14:06:01 1984
Date-Received: Thu, 4-Oct-84 05:59:52 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 27

Have any of you Mac users out there had a chance (or taken the plunge) to use one of the C compilers now (or soon to be) available for the Mac? If so, I would like some input as to the satisfaction (or lack of same) that you have experienced. Specific information I would like:

1. Completeness of the documentation
2. Compliance with K & R
3. Full standard library (whatever makes sense in a Mac environment)
4. HOW MUCH toolbox support and how well documented
   (Some of the products have 2 levels--how much T.B. support in each level?)
5. Suitability as a stand-alone development system (pre-supposing 512K)
6. Any other relevant comments.

I am looking for the Best Buy, so any comparative info anyone has on the relative merits/demerits of the available packages is most welcome.

I am certain I am not the only one interested, so postings to the net are probably in order. Any personal responses I will eventually summarize to the net.

Thanks in advance.

(Mr.) Kim Helliwell
{menlo70,hplabs}!analog!kim

From -3743350763097512730
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d950f8b8a89088e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-02 13:57:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!hplabs!tektronix!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject:][e 80-col card recommendations sought
Message-ID: <234@ssc-bee.UUCP>
Date: Tue, 2-Oct-84 16:57:55 EDT
Article-I.D.: ssc-bee.234
Posted: Tue Oct 2 16:57:55 1984
Date-Received: Mon, 8-Oct-84 03:41:19 EDT
Organization: Boeing Aerospace, Seattle
Lines: 30

Subject:][e 80-column plus ??? cards?
Newsgroups: net.micro.apple
     O.K., gang.

     This righteous denouncer of the Mac has just (30 minutes ago)
     replaced his Apple][with a][e. I've receieved some recommendations
     for disk drives, now I want to find the best (price/performance)
     card to plug into that video slot. (As you will note from the
     below I don't have the foggiest idea what I want.)

     Microsoft has a 64k/Z80 card, discount $250. Anyone have it?
     Do you like it?

     Microsci has a 64k card for $100 (gee, that works out to 512k
     for $800 vis a vis Mac) which I will probably get.

     Someone has a 64k (expandable to 128k) for $169.

     Apple has a 64k/RGB card but none of the local dealers have one.
     (Well, one did have one but it didn't work so they sent it
     back.) I've heard rumors of third-party 64k/rgb cards.
     Anyone know where I can get one for <$200?
     *** This is what I really want -- 64k/rgb ***

     Have I missed any? Does anyone have a 64k/serial/parallel/clock
     card for the][e's video slot?

--
     Mike Eve   Boeing Aerospace, Seattle
     ...uw-beaver!ssc-vax!ssc-bee!eve

From -60115464509208018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,58613b312c4ffc17,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-02 17:40:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site philabs.UUCP
Path: utzoo!linus!philabs!per
From: per@philabs.UUCP (Paul Rutter)
Newsgroups: net.micro.apple
Subject: MacTerminal 1.1
Message-ID: <118@philabs.UUCP>
Date: Tue, 2-Oct-84 20:40:10 EDT
Article-I.D.: philabs.118
Posted: Tue Oct 2 20:40:10 1984
Date-Received: Wed, 3-Oct-84 07:15:51 EDT
Distribution: net
Organization: Philips Labs, Briarcliff Manor, NY
Lines: 21

MacTerminal 1.1 disk buzz annonyance.

I have finally received the first "real" release of MacTerminal from my Apple dealer. (Paid for it in February -- yes, I know that was stupid). It comes with a coupon to send in to get the "real, final" instruction book -- though the one that comes with it seems fine.

It seems OK. There is one incredibly annonying bug however: When in the "DON'T Record lines off top" mode, when nothing has come out on the screen for about 8 seconds, the floppy is spun up and down. Think about it. Most of the time, one is typing or receiving output. When you stop to think about something, just when you really start concentrating: BUZZ. As far as I can tell, nothing is actually being written on the disk (there is certainly no need to in this mode). A crufty pre-release I begged from my dealer had other problems, but not this one.

Anybody know a solution? I have resorted to popping the disk (once MacTerminal is going) via the paper clip trick. This works as long as you remember to push the disk back again before mousing around with anything that actually needs the disk. Hardly a nice solution.
                                Paul Rutter

From -7789975501242569644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8247c2bdd4baffb,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-10-02 18:15:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stcvax.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!hao!stcvax!rbh
From: rbh@stcvax.UUCP (Brent Haws)
Newsgroups: net.micro.apple
Subject: applesoft compilers
Message-ID: <308@stcvax.UUCP>
Date: Tue, 2-Oct-84 21:15:53 EDT
Article-I.D.: stcvax.308
Posted: Tue Oct 2 21:15:53 1984
Date-Received: Fri, 5-Oct-84 20:25:04 EDT
Organization: Storage Technology Corp. Louisville, CO
Lines: 13

Has anyone used the TASC compiler V2.0 with anything other than
DOS 3.3, namely diversi-DOS, and had it work correctly? I have
had some problems with this. Does any one have experience with
other applesoft compilers. If so, how do they compare.
How about a PRO-DOS compiler? I would like any info you might
have on the matter. Thanks Brent

--
Brent Haws - STC StorageTek (Disk Division)
uucp: { hao, ihnp4, decvax}!stcvax!rbh
     { allegra, amd70, ucbvax }!nbires!stcvax!rbh
USnail: Storage Technology Corp - MD 3T / Louisville, CO / 80028
DDD: (303) 673-6750

From -8142391818990102356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5bee3ba032276ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 02:01:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!mcvax!sara70!rick
From: rick@sara70.UUCP (rick)
Newsgroups: net.micro.apple
Subject: BASIC version of FROMHEX and TOHEX wanted
Message-ID: <232@sara70.UUCP>
Date: Wed, 3-Oct-84 05:01:45 EDT
Article-I.D.: sara70.232
Posted: Wed Oct 3 05:01:45 1984
Date-Received: Fri, 5-Oct-84 08:53:24 EDT
Organization: SARA, Amsterdam, The Netherlands
Lines: 9

I would be very happy if someone posted a FROMHEX program
written in (MS-)Basic for the Macintosh. Then, the Fonteditor
and Rmover are available to people not having a FROMHEX-application
yet. Of course the stand-alone version is welcome too (after

the Basic-version (this is the classical chicken and Mac-problem)).

Thanks in advance!!
Rick Jansen @ SARA
  {philabs,decvax,seismo}!mcvax!sara70!rick

From -3220020616047944587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 04:25:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watdcsu.UUCP
Path: utzoo!watmath!watdcsu!haapanen
From: haapanen@watdcsu.UUCP (Tom Haapanen [DCS])
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <464@watdcsu.UUCP>
Date: Wed, 3-Oct-84 07:25:50 EDT
Article-I.D.: watdcsu.464
Posted: Wed Oct 3 07:25:50 1984
Date-Received: Thu, 4-Oct-84 01:15:07 EDT
References: <2396@ihuxf.UUCP> <3174@rabbit.UUCP>, <239@muddcs.UUCP>
Organization: U of Waterloo, Ontario
Lines: 35

<.>

> How much *GOOD* software will be written for a Mac if the developers have
> to buy a Lisa, (see some of the other articles for a few flames about those)
> and cannot get software or hardware for a reasonable price; and then after
> all that, their market is ~10% of the size of the IBM PC market. If you
> were a developer, which would you buy:
>   a $5000 Mac with nothing, plus an $8000 Lisa with very little;
> or
>   an $8000 IBM PC/XT system, with available software for *ANY*
>   development task ?
>   (* Prices approx. *)

$5000 Mac? I recall the Mac proces are down to $2195 US or so. This
is for a 128K Mac, which is what you want for development, because you
can't expect all your potential customers to have 512K Macs, and
anything that runs on 128K will run on 512K. $8000 Lisa? Aren't
Lisas available for $4000-5000? This would add up to about $7000
(plus serial cable) for a Lisa/Mac system... Not that bad.

The new BYTE has an ad (in the back pages) for 256K chips. They're
advertised as LOW PRICED, and are selling for $49.95. Sixteen of

those critters would cost you $800. So Apple is charging the Mac
owners a whole $200 more than the bare chips would cost, uninstalled.
What a rip-off! :-)

And no, I don't own any Apple stock and/or products.

Tom Haapanen   University of Waterloo   (519) 744-2468

allegra \
clyde \ \
decvax ---- watmath --- watdcsu --- haapanen
ihnp4 / /
linus /

From 7175959100089460798
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 06:34:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wateng.UUCP
Path: utzoo!watmath!wateng!broehl
From: broehl@wateng.UUCP (Bernie Roehl)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: $995 is a rediculously low price for the memory upgrade
Message-ID: <1502@wateng.UUCP>
Date: Wed, 3-Oct-84 09:34:05 EDT
Article-I.D.: wateng.1502
Posted: Wed Oct 3 09:34:05 1984
Date-Received: Thu, 4-Oct-84 01:16:35 EDT
References: <505@loral.UUCP>, <189@looking.UUCP>, <9213@watmath.UUCP>
Organization: U of Waterloo, Ontario
Lines: 12

Yes, exactly! Apple makes a substantial profit on each 128k Mac they
sell. They then start producing 512k Macs, and selling them to you for
$995 *plus* the trade-in on your old Mac. So they've sold you two Macs
for a total of almost $3500, and still have your old (128k) Mac to sell
again! They're in effect selling the same physical computer twice to
different people at $2500 a shot!

Pretty neat, from Apple's standpoint!

--
        -Bernie Roehl   (University of Waterloo)
     ...decvax!watmath!wateng!broehl

From -319430948390958782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a8b712f0f64533c8,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,a8b712f0f64533c8,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,a8b712f0f64533c8,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-10-03 08:35:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.wanted,net.micro.apple,net.micro
Subject: Want comments on hardware from Applied Engineering
Message-ID: <460@sftig.UUCP>
Date: Wed, 3-Oct-84 11:35:16 EDT
Article-I.D.: sftig.460
Posted: Wed Oct 3 11:35:16 1984
Date-Received: Thu, 4-Oct-84 03:48:48 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 21

Does anybody have any experience with the 'Memory Master IIe 128K RAM card
from Applied Engineering (of Carlton Texas). I am seriously considering
buying this card, since it costs less than the Apple extended 80 column card
and provides more memory and is billed as being fully compatible with the
Apple card. (It uses the same kludge of putting the extra 40 columns in the
high bank. Oh well! You can't have everything!) Pleas tell me if you have
any experiences, either good or bad.

Also, does anybody have any suggestions for a good serial interface card.
It must provide (at least optionally) a fully transparent 8 bit data connection
to an RS232 interface at 300 and 1200 baud, and (again, at least optionally)
provide an interrupt to tell when it has a character (on input) or needs one
(on output). That doesn't sound like much, but I hear tell that there are
a lot that don't.

Please reply by mail and I will post a summary, if there is interest.

Thanks in advance!
Rick Thomas
{allegra, ihnp4, almost any backbone site}!btlunix!rbt
(201)-522-6062

From -4358768855778076556
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb13a1e92100f093,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 08:50:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: ProDOS developer's version 1.1
Message-ID: <235@ssc-bee.UUCP>
Date: Wed, 3-Oct-84 11:50:13 EDT
Article-I.D.: ssc-bee.235
Posted: Wed Oct 3 11:50:13 1984
Date-Received: Thu, 4-Oct-84 03:18:23 EDT
References: <12452@sri-arpa.UUCP>
Organization: Boeing Aerospace, Seattle
Lines: 13

I am curious about the term 'developer"s version'.

Is there a new class of Apple][users called 'developers'?

If so, how does one get on the list? I have written a few
programs I sold (nothing big) and wouldn't want to miss
any Prodos hints, etc.

--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -5305221410341226091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc867dfbf71cd68c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 11:15:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: MacTerminal 1.1 macput, macget don't
Message-ID: <12500011@acf4.UUCP>
Date: Wed, 3-Oct-84 14:15:00 EDT
Article-I.D.: acf4.12500011
Posted: Wed Oct 3 14:15:00 1984
Date-Received: Fri, 5-Oct-84 08:45:50 EDT
References: <414@aluxe.UUCP>
Organization: New York University
Lines: 18
Nf-ID: #R:aluxe:-41400:acf4:12500011:000:555
Nf-From: acf4!spector Oct 3 14:15:00 1984

Yes, I have seen this problem, it happened to me... Here's what ya gotta do:

Go into the "File Transfer" menu, set the Other systems type to:

          MacTerminal
 Make sure the other box is checked to XMODEM, you'll get it to work then.
The problem is that you have to tell macterminal to explicitly
RECIEVE a file, if the other program isn't macterminal, and Macput/get
look functionally like Mactermianl to a macintosh...

          'Hope that helps...

              David HM Spector
              NYU/acf Systems Group
              spector@nyu-cmcl1.ARPA
              ...!allegra!cmcl2!cmcl1!spector

From -5119985181721576097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c37688c1b7103ac5,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,c37688c1b7103ac5,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c37688c1b7103ac5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-03 22:25:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site plus5.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!plus5!max
From: max@plus5.UUCP (R. Max Mutrux)
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Sumacc Information Wanted
Message-ID: <490@plus5.UUCP>
Date: Thu, 4-Oct-84 01:25:08 EDT
Article-I.D.: plus5.490
Posted: Thu Oct 4 01:25:08 1984
Date-Received: Fri, 5-Oct-84 04:39:04 EDT
Distribution: net
Organization: Plus Five Computer Services, St. Louis
Lines: 11

[pissssst .... R A I D !]

Could Some body in net.land please send me information on how I can get
my hands on Sumacc (The MacIntosh development environment). Is this
system public domain or is it for sale? What version(s) of unix will
it run on? Thanks in advance.

--
          (char)Max_Mutrux   ..ihnp4!plus5!max

Saint Louis, Mo.

From 6191774053093955284
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3bde349f7220eb6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 05:42:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: APPLE RUMOR
Message-ID: <12500012@acf4.UUCP>
Date: Thu, 4-Oct-84 08:42:00 EDT
Article-I.D.: acf4.12500012
Posted: Thu Oct 4 08:42:00 1984
Date-Received: Sat, 6-Oct-84 01:58:16 EDT
References: <12615@MIT-MC.UUCP>
Organization: New York University
Lines: 8
Nf-ID: #R:MIT-MC:-1261500:acf4:12500012:000:226
Nf-From: acf4!spector   Oct 4 08:42:00 1984

Yes, Jerry, its true. It has been confirmed by Apple, Newsweek, and
Computer World. See Computer World of October 1st.

David HM Spector
NYU/acf Systems Group
Spector@nyu-cmcl1.ARPA
...!allegra!cmcl2!cmcl1!spector

From -6700907889506966990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ece1fcbb31ed2e5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 08:01:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxz!aluxe!mhuxi!mhuxm!sftig!rbt
From: rbt@sftig.UUCP (R.Thomas)
Newsgroups: net.micro.apple
Subject: Re: High density floppy advice? (reposting)
Message-ID: <461@sftig.UUCP>
Date: Thu, 4-Oct-84 11:01:30 EDT
Article-I.D.: sftig.461
Posted: Thu Oct 4 11:01:30 1984
Date-Received: Sat, 6-Oct-84 04:40:44 EDT
References: <232@ssc-bee.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ

Lines: 21

> In the meantime, I want some disk storage. I mean 140k
> is a drag, and with Prodos heirarchial directories almost
>
> Your help is solicited. I want a high-density (:=) drive,300k or more.
> I know of the Rana drives. Has anyone heard of anything else?
> Please also tell me if the drive will read/write standard disks
> (so I can share data with friends) and how easy it was to install
> the drives under Prodos (if you have it).
>
>
> --
> Mike Eve Boeing Aerospace, Seattle
> ...uw-beaver!ssc-vax!ssc-bee!eve

Right On!

Has anybody heard rumors about Macintosh style micro discs for the IIe?
Does anybody have any details?

Rick Thomas
{ihnp4, allegra, most any backbone site}!btlunix!rbt

From -7622669820556896024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d85269d670eb399c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 14:36:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eagle.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!eagle!adrian
From: adrian@eagle.UUCP (A.Freed)
Newsgroups: net.micro.apple
Subject: Re: Macintosh -- The Computer for the Rich of Us
Message-ID: <1216@eagle.UUCP>
Date: Thu, 4-Oct-84 17:36:08 EDT
Article-I.D.: eagle.1216
Posted: Thu Oct 4 17:36:08 1984
Date-Received: Sat, 6-Oct-84 03:48:22 EDT
References: <12552@sri-arpa.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 10

I am fed up with reading this on the net:
"I feel like a fool for spending xxx on yyy because it does not do zzz."
Would these people please just admit to themselves that they did a foolish thing
buying yyy, sell it for 50% xxx and figure out what they really want yyy to do.
After reading lots of reviews and playing with a Mac it is not hard to figure
out what it can do.
If you local dealer wont let you play with one, find another dealer.
For people interested in more exciting discussions of the Mac, I recommend fa.mac.

I can't believe how many people think of Apple as a religious patriarchy.
They are a computer company.

From 2385244248043771720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65dc86be26575d14,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 14:48:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: 512K Mac
Message-ID: <1188@hao.UUCP>
Date: Thu, 4-Oct-84 17:48:37 EDT
Article-I.D.: hao.1188
Posted: Thu Oct 4 17:48:37 1984
Date-Received: Sat, 6-Oct-84 02:26:14 EDT
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 16

[]
I just heard that there were four versions of the 128K logic
board made, and that the latest is identical with the 512K logic board.

If you bought your 128K Mac late, and have a waveless desoldering
tool, and have 16 265K chips and don't mind taking a chance,
then you can upgrade your own.

On the other hand, if you bought early, do not let go of your
ankles yet. You're still getting it, and more is on the way.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 6085441825775967980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 08:08:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple

Subject: Re: Apple Shafts America; or, The Comput
Message-ID: <1158@hao.UUCP>
Date: Thu, 20-Sep-84 11:08:39 EDT
Article-I.D.: hao.1158
Posted: Thu Sep 20 11:08:39 1984
Date-Received: Wed, 26-Sep-84 03:23:13 EDT
References: <1267@unm-cvax.UUCP>, <12500009@acf4.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 27

[]
>Oh, yeah, if you paid the regular price ($2495...) for your Mac, you also
>get $250 worth of FREE software; MacProject and MacDraw as I understand.

Sounds like you did *NOT* pay the "regular" price. A good reason
to be satisfied. Those of us who did pay list price, thinking
that the machine would hold its value for a year or so, are feeling
very foolish, indeed.

>I am just a satisfied Macintosh owner who has a LOT (<- Heavy emphasis) of
>fun with his Macintosh!

I had fun with my Mac for a month or so, too. Then I tried to
do some work with it. Then I found out that I had *NOT* known
what I bought. I found out that all of Apple's promised were
lies. No decent software. No development tools. Nothing but
frustration.

If you're doing anything other than playing silly games with
your Mac, please let us know what. And how.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 3333309591091361795
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 08:43:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!decwrl!sunny
From: sunny@sun.uucp (Sunny Kirsten)
Newsgroups: net.micro,net.micro.apple,net.flame

Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1695@sun.uucp>
Date: Thu, 20-Sep-84 11:43:04 EDT
Article-I.D.: sun.1695
Posted: Thu Sep 20 11:43:04 1984
Date-Received: Wed, 26-Sep-84 01:24:51 EDT
References: <1267@unm-cvax.UUCP>
Organization: Sun Microsystems, Inc.
Lines: 15

Seethings:

     After all those wonderful words of love for Mackintosh marketing,
I could only feel a lack of extreme sympathy, having shelled out $7K for
a Lisa I with the intent of buying LisaPascal to do some programming with...
Well, first there's the problem of you couldn't get LisaPascal from the
dealers, because Apple pretty much stopped distributing the Twiggy version,
in anticipation of the "upgrade" from two 800KB Twiggy drives to 1 400KB Sony.
Of course I'm still waiting, a year later, for my dealer to get a free
"upgrade" kit to upgrade my Lisa I to a Lisa II so I can buy a programming
language for the bitch. (are you listening, Apple?)
     On the other hand, I wouldn't trade my Lisa for anything but a
Sun workstation.
--
{ucbvax,decvax,ihnp4}!sun!sunny (Sunny :-> Kirsten of Sun Microsystems Inc.)

From -1471638351292762024
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 10:06:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxk.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!ihuxk!rs55611
From: rs55611@ihuxk.UUCP (Robert E. Schleicher)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <755@ihuxk.UUCP>
Date: Thu, 20-Sep-84 13:06:20 EDT
Article-I.D.: ihuxk.755
Posted: Thu Sep 20 13:06:20 1984
Date-Received: Tue, 25-Sep-84 08:21:39 EDT
References: <1267@unm-cvax.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 21

Of course Apple feels that the "final arbiter" is the bottom line
on the ledger books. Apple isn't a privately-owned company for the purpose

of helping out computer buffs, its a $1 bilion dollar publicly-traded
company that must recognize its obligations to its owners, the stock-holders.
Now, one can argue that the best business strategy would still be one that
encouraged long-term satisfaction with the Apple product line, but that
is strictly a business (ie maximize profit, long-term and/or short-term)
decision.

As to the prices you quote. Is anyone really paying those prices?
Here in the Chicago area, Macs are selling for around $1700 at the
cheapest places, and about $2300 or so gets you the basic Mac,
the printer, and a few software items like MacPaint and MacWrite.
This is at regular computer stores, and doesn't reflect the student discount
rate to the consortium (although the presence of a couple of such schhols
in the area may well exert some competitive price pressure). Anyone paying
full price for a Mac ought to seriously consider mail order, as a means to
save several hundred bucks.

Bob Schleicher
ihuxk!rs55611

From -3056402618473300909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 10:52:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hoxna.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!cbosgd!cbdkc1!desoto!packard!hoxna!
kfl
From: kfl@hoxna.UUCP (Kenton Lee)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <323@hoxna.UUCP>
Date: Thu, 20-Sep-84 13:52:21 EDT
Article-I.D.: hoxna.323
Posted: Thu Sep 20 13:52:21 1984
Date-Received: Tue, 25-Sep-84 20:21:08 EDT
References: <1267@unm-cvax.UUCP>
Organization: Bell Labs, Holmdel NJ
Lines: 7

xxx
Come on guys, be real. A 512KB dynamic board for ANY personal
computer is going to cost around $1000. Maybe a little less from
the discount joints, but still not cheap.
--
Kenton Lee, Bell Labs - WB
wb3g!kfl or hoxna!kfl

From 1042830748253050610
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,646ca8185f58ef3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 13:54:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!decwrl!decvax!
ittvax!dcdwest!sdcsvax!sdcc6!loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro.apple
Subject: File Encryption Program (in Applesoft)
Message-ID: <494@loral.UUCP>
Date: Thu, 20-Sep-84 16:54:22 EDT
Article-I.D.: loral.494
Posted: Thu Sep 20 16:54:22 1984
Date-Received: Wed, 26-Sep-84 04:17:47 EDT
Lines: 461

Msg #8072 on 09/03/84 @18:53 (62)
Subj: NEW SAFECOM DETAILS!, To: All
From: Bill Parker, Los Angeles, CA

Here is the new version of SAFECOM that I promised to post
on this board some time ago.

As you recall, SAFECOM is a program that encrypts and decrypts
text files. The purpose of this program is to allow us to
communicate on topics that some people (employers and others)
either do not want us to discuss or who want to monitor what we say.

I wrote the program and made it PUBLIC DOMAIN. It is liberally
sprinkled with comments that explain how it works. You should
have little trouble converting it to run on your computer.

There will be four levels of security: CONFIDENTIAL, SECRET,
TOP SECRET, and EYES ONLY. Each level of security has its own
password to encrypt and decrypt the files. You can get the
CONFIDENTIAL password from any original PMS Commando (I'll be
mailing them the password soon). I'll leave it up to their judgement
to decide who gets the CONFIDENTIAL password. To get the SECRET
password, you have to leave a message for me. If I know you, I'll
mail it to you. I haven't decided what TOP SECRET will be used for.
EYES ONLY is for direct communication between two people. You can
use it among yourselves any way you like. It's sort of like LOCX
on this system. Just agree with someone else what the password will
be.

To make this system universal, start out your encrypted messages

like this:

     SECURITY LEVEL: CONFIDENTIAL

     A1B300X99B...

The security level will tell the recepient what password to use to decode the message.

Some details on this version of SAFECOM: I tried to incorporate all the suggestions you sent me on previous versions. I removed the text editor. It was too crude, slow and buggy. Besides, everyone has a text editor anyway and there's no point in learning a new set of editing commands.

I used BASIC to express the algorithm because BASIC is so doggone universal. As soon as Borland comes out with a 6502 based $49.95 Turbo Pascal, you can bet things are gonna be different...

Send corrections, suggestions, and versions for different computers and languages to me, so that I can incorporate them into new versions. I'll give you full credit.

By the way, for those of you who noticed that I use a "~" symbol for a prompt on this system instead of the usual ":", it is for purposes like this...to upload long BASIC programs. I tried it before while using the ":" prompt and found that this system confused the ":" that separates BASIC statements with the system ":" symbol. As a result, some BASIC lines were truncated at the ":".

And if you're wondering how good the security is on SAFECOM, suffice it to say that I sent an encrypted version to one of those experts who writes letters to the editors on encryption and found that he was not able to solve it. SAFECOM doesn't use any of the standard "book" techniques that the experts are always quoting.

FP
MONICO

```
1000  REM ************************************************
1010  REM *              SAFECOM BY BILL PARKER            *
1020  REM *                                                *
1030  REM *         =-= A PUBLIC DOMAIN PROGRAM! =-=       *
1040  REM *                                                *
1050  REM *              VERSION 1.0 - DEC 1983            *
1060  REM *              VERSION 4.0 - AUG 1984            *
1070  REM *                                                *
1080  REM *    (VERSION 4.0 IS A SCALED DOWN FORM OF 1.0)  *
1090  REM *                                                *
```

```
1100  REM * SAFECOM ALLOWS YOU TO ENCODE AND DECODE TEXT    *
1110  REM * FILES WITH LINES LESS THAN 80 CHARS LONG.       *
1120  REM * YOU MUST USE A TEXT EDITOR OR WORD PROCESSOR    *
1130  REM * TO CREATE THE ORIGINAL (PLAIN TEXT) MESSAGE.    *
1140  REM * THE TEXT FILE MUST BE SEQUENTIAL (RANDOM ACCESS *
1150  REM * FILES SOMETIMES CONTAIN ZEROES WHICH ARE        *
1160  REM * INCORRECTLY INTERPRETED AS END OF FILE CHARS BY *
1170  REM * APPLE DOS).                                     *
1180  REM *                                                *
1190  REM * ENCRYPTION & DECRYPTION IS PERFORMED BY MEANS   *
1200  REM * OF A "KEY" (PASSWORD) OF YOUR OWN CHOICE.  YOU  *
1210  REM * MUST REMEMBER THE KEY TO BE ABLE TO WORK WITH   *
1220  REM * ENCRYPTED FILES.                                *
1230  REM *                                                *
1240  REM * THIS PROGRAM IS WRITTEN IN APPLESOFT (BASIC FOR *
1250  REM * THE APPLE II).  NO TRICKY PROGRAMMING IS USED,  *
1260  REM * SO YOU SHOULD BE ABLE TO ADAPT IT FOR OTHER     *
1270  REM * COMPUTERS.  ** NOTE: "& INPUT" IS AN APPLESOFT  *
1280  REM * EQUIVALENT OF "LINPUT" IN OTHER BASICS.  IT     *
1290  REM * READS STRINGS CONTAINING COMMAS, ETC.           *
1300  REM *                                                *
1310  REM * THIS PROGRAM IS DESIGNED TO HELP ALL OF US      *
1320  REM * WITH SECURE COMMUNICATION CHANNELS.  FEEL FREE  *
1330  REM * TO GIVE AWAY COPIES AND TO INCORPORATE IT IN    *
1340  REM * YOUR OWN PROGRAMS, MAGAZINE ARTICLES, ETC.      *
1350  REM * JUST GIVE ME CREDIT.  THANKS AND GOOD LUCK!     *
1360  REM ************************************************
1370 :
1380  REM +=======================+
1390  REM : INITIALIZATION SECTION :
1400  REM +=======================+
1410 :
1420  TEXT : REM  MAKE SURE GRAPHICS MODE IS TURNED OFF
1430 :
1440  REM -----------
1450  REM  CONSTANTS
1460  REM -----------
1470 :
1480  LET BEEP = 7: REM  SPEAKER BEEP = CHR$(7)
1490 :
1500  REM ----------------------------------------------
1510  REM  INIT APPLE -- YOU CAN DELETE FROM HERE TO THE
1520  REM  MAIN PROGRAM IF SAFECOM IS NOT RUNNING ON AN
1530  REM  APPLE COMPUTER.
1540  REM ----------------------------------------------
1550 :
1560  LET D$ =  CHR$ (4): REM  GETS DOS ATTENTION
1570 :
1580  PRINT  CHR$ (12): HOME : REM   80/40 CLMN SCRN CLEAR
1590  INVERSE : PRINT "             S A F E C O M            ": NORMAL
1600  VTAB 5: PRINT "Can your Apple display a screen": PRINT
1610  PRINT "that's 80 columns wide? (Y/N/<CR>):";
1620  GET ANS$: PRINT ANS$
```

```
1630  IF ANS$ =  CHR$ (13) THEN 4780
1640  IF ANS$ < "a" OR ANS$ > "z" THEN 1660
1650  LET ANS$ =  CHR$ ( ASC (ANS$) - 32): REM  L.C. --> U.C.
1660  IF ANS$ = "Y" THEN  PRINT D$"PR#3": GOTO 1780
1670  IF ANS$ <  > "N" THEN  PRINT  CHR$ (BEEP): GOTO 1600
1680 :
1690  REM  INPUT ANYSTRING ROUTINE -- THE FOLLOWING ROUTINE
1700  REM  ALLOWS APPLESOFT TO INPUT STRINGS CONTAINING
1710  REM  COMMAS, SEMICOLONS, ETC.  BASED ON A PUBLIC
1720  REM  DOMAIN PROGRAM WRITTEN BY BOB SANDER-CEDERLOF
1730  REM  AND SHERM OSTROWSKY ON PP. 16-17 OF THE
1740  REM  DEC. 1981 ISSUE OF APPLE ASSEMBLY LINE.
1750  REM  STRINGS CAN BE ENTERED WITH THIS ROUTINE BY
1760  REM  USING:  &INPUT
1770 :
1780  PRINT  CHR$ (12): HOME : REM  80/40 CLMN SCRN CLEAR
1790  INVERSE : PRINT "             S A F E C O M           ": NORMAL
1800  PRINT : PRINT : PRINT "Please wait a few secs --": PRINT
1810  PRINT "Creating machine code input routine..."
1820  LET SAV(1) =  PEEK (1014):SAV(2) =  PEEK (1015): REM SAVE & HOOK
1830 :
1840  REM INPUT ANYSTRING ROUTINE:
1850  DATA 160,  0,177,184,201
1860  DATA 132,208, 44, 32,177
1870  DATA   0, 32,227,223, 32
1880  DATA  44,213,232,189,  0
1890  DATA   2,208,250,134,157
1900  DATA 138, 32, 82,228,160
1910  DATA   0,145,131,200,165
1920  DATA 113,145,131,200,165
1930  DATA 114,145,131,160,  2
1940  DATA 162,  0,165,157, 76
1950  DATA 226,229
1960 :
1970  REM  PUT MACHINE CODE INTO MEMORY
1980  ONERR  GOTO 2020: REM  LOAD UNTIL OUT OF DATA
1990  LET PG3 = 768
2000  READ BYTE: POKE PG3 + C,BYTE:C = C + 1: GOTO 2000
2010 :
2020  LET C = 0: REM  CLEAR COUNTER
2030  POKE 1014,0: POKE 1015,3: REM  SET UP & HOOK
2040 :
2050  REM ============================================================
2060 :
2070  REM +==============+
2080  REM : MAIN PROGRAM :
2090  REM +==============+
2100 :
2110  PRINT  CHR$ (12): HOME : REM  80/40 CLMN SCRN CLEAR
2120 :
2130  INVERSE : PRINT "             S A F E C O M           ": NORMAL
2140  PRINT : PRINT
2150  PRINT "Choose one:": PRINT
```

```
2160  PRINT "   C(atalog": PRINT
2170  PRINT "   D(ecode sequential text file": PRINT
2180  PRINT "   E(ncode sequential text file": PRINT
2190  PRINT "   Q(uit": PRINT
2200 :
2210  REM ------------
2220  REM  GET CHOICE
2230  REM ------------
2240 :
2250  VTAB 23: PRINT "Which?";: GET ANS$
2260  IF ANS$ >  = "a" AND ANS$ <  = "z" THEN 2280
2270  GOTO 2290
2280  LET ANS$ =  CHR$ ( ASC (ANS$) - 32): REM  L.C --> U.C.
2290  IF ANS$ =  CHR$ (13) THEN  VTAB 22
2300  PRINT ANS$;
2310 :
2320  REM -----------
2330  REM  DO CHOICE
2340  REM -----------
2350 :
2360  IF ANS$ = "C" THEN 2570
2370  IF ANS$ = "D" THEN 2700
2380  IF ANS$ = "E" THEN 3520
2390  IF ANS$ = "Q" THEN 4730
2400 :
2410  REM ---------------
2420  REM  INVALID CHOICE
2430  REM ---------------
2440 :
2450  PRINT  CHR$ (BEEP): GOTO 2250
2460 :
2470  REM ================================================================
2480 :
2490  REM +=================+
2500  REM : MODULES SECTION :
2510  REM +=================+
2520 :
2530  REM ================
2540  REM  CATALOG MODULE
2550  REM ================
2560 :
2570  PRINT  CHR$ (12): HOME : REM  80/40 CLMN SCRN CLEAR
2580  INVERSE : PRINT "             S A F E C O M           ": NORMAL
2590  VTAB 5: PRINT " Which drive would you like": PRINT
2600  PRINT " to see a directory of? (1 or 2):";: GET DR$: PRINT DR$
2610  IF DR$ < "1" OR DR$ > "2" THEN  PRINT  CHR$ (BEEP): GOTO 2590
2620  PRINT D$"CATALOG,D";DR$
2630  PRINT : PRINT "Press any key:";: GET ANS$: PRINT ANS$
2640  GOTO 2110
2650 :
2660  REM ===================
2670  REM  DECRYPTION MODULE
2680  REM ===================
```

```
2690 :
2700  PRINT  CHR$ (12): HOME : REM   80/40 CLMN SCRN CLEAR
2710  INVERSE : PRINT "             S A F E C O M            ": NORMAL
2720 :
2730  REM ------------
2740  REM GET FILENAME
2750  REM ------------
2760 :
2770  VTAB 4
2780  PRINT "This module decodes a SAFECOM encrypted"
2790  PRINT "text file.  You must know the password"
2800  PRINT "used to encrypt the file.  Remember to"
2810  PRINT "use the '.COD' file name extension, if"
2820  PRINT "one was used on the encoded file.": PRINT
2830  PRINT "Press RETURN to quit or type the name"
2840  PRINT "of the seq. text file you want to"
2850  PRINT "decode: (,Dn ending OK)": PRINT
2860  &  INPUT FILNAME$
2870  IF FILNAME$ = "" THEN 2110
2880 :
2890  REM -----------------
2900  REM CK IF FILE EXISTS
2910  REM -----------------
2920 :
2930  ONERR  GOTO 2950
2940  GOTO 2970
2950  POKE 216,0: REM  CLEARS APPLE DOS ERROR CONDITION
2960  PRINT : PRINT  CHR$ (BEEP);"SAY WHAT?": GOTO 2770
2970  PRINT D$"VERIFY ";FILNAME$
2980  LET TN$ =  MID$ (FILNAME$, LEN (FILNAME$) - 2,2)
2990  IF TN$ <  > ",D" THEN 3060
3000  LET FILNAME$ =  LEFT$ (FILNAME$, LEN (FILNAME$) - 3)
3010 :
3020  REM -------
3030  REM GET KEY
3040  REM -------
3050 :
3060  PRINT : PRINT "Enter password:";: &  INPUT KEY$
3070  IF KEY$ = "" THEN 2110
3080 :
3090  REM ---------------
3100  REM DECODE THE FILE
3110  REM ---------------
3120 :
3130  LET F1$ = FILNAME$:F2$ = F1$
3140  IF  RIGHT$ (F2$,4) = ".COD" THEN F2$ =  LEFT$ (F2$, LEN (F2$) - 4)
3150  LET F2$ = F2$ + ".PLN"
3160  PRINT D$"OPEN "F1$
3170  PRINT D$"OPEN "F2$
3180  PRINT D$"DELETE "F2$
3190  PRINT D$"OPEN "F2$
3200  ONERR  GOTO 3440: REM  EOF
3210  LET KPTR = 0:PLAIN$ = ""
```

```
3220  PRINT D$"READ "F1$
3230  &  INPUT CODE$
3240 :
3250  REM == ACTUAL CONVERSN ==
3260 :
3270  FOR I = 1 TO  LEN (CODE$) - 1 STEP 2
3280  LET KPTR = KPTR + 1
3290  IF KPTR =  LEN (KEY$) + 1 THEN KPTR = 1
3300  LET KEY =  ASC ( MID$ (KEY$,KPTR,1))
3310  LET D1$ =  MID$ (CODE$,I,1):D2$ =  MID$ (CODE$,I + 1,1)
3320  LET PLAIN = ( ASC (D1$) - 48 - (7 * (D1$ >  = "A"))) * 16
3330  LET PLAIN = PLAIN + ( ASC (D2$) - 48 - (7 * (D2$ >  = "A")))
3340  IF PLAIN = 13 THEN KPTR = KPTR - 1: PRINT D$"WRITE "F2$
3350  IF PLAIN = 13 THEN  PRINT PLAIN$:PLAIN$ = "": GOTO 3380
3360  LET PLAIN = PLAIN - KEY
3370  LET PLAIN$ = PLAIN$ +  CHR$ (PLAIN)
3380  NEXT
3390 :
3400  GOTO 3220: REM  DO NEXT REC
3410 :
3420  REM == HANDLE EOF ==
3430 :
3440  POKE 216,0: REM  CLEARS APPLE DOS ERROR CONDITION
3450  PRINT D$"CLOSE"
3460  GOTO 2110: REM   MAIN MENU
3470 :
3480  REM ============
3490  REM ENCODING MOD
3500  REM ============
3510 :
3520  PRINT  CHR$ (12): HOME : REM    80/40 CLMN SCRN CLEAR
3530  INVERSE : PRINT "             S A F E C O M           ": NORMAL
3540 :
3550  REM ------------
3560  REM GET FILENAME
3570  REM ------------
3580 :
3590  VTAB 4
3600  PRINT "This module encodes a text file accor-"
3610  PRINT "ding to a password that you supply."
3620  PRINT "The password can be up to 80 characters"
3630  PRINT "long.  It can contain any type of char."
3640  PRINT "Each line of the original text file can"
3650  PRINT "be no longer than 80 chars.  This"
3660  PRINT "module produces an encrypted copy of"
3670  PRINT "the original text file, but with '.COD'"
3680  PRINT "appended to the file name.  The"
3690  PRINT "encryption process produces two chars"
3700  PRINT "for every original char.  The chars"
3710  PRINT "produced are letters and digits, making"
3720  PRINT "them easily transmittable with a modem.": PRINT
3730  PRINT "Press RETURN to quit or type the name"
3740  PRINT "of the seq. text file you want to"
```

```
3750  PRINT "encode: (,Dn ending OK)": PRINT
3760  &  INPUT FILNAME$
3770  IF FILNAME$ = "" THEN 2110
3780 :
3790  REM -----------------
3800  REM CK IF FILE EXISTS
3810  REM -----------------
3820 :
3830  ONERR  GOTO 3850
3840  GOTO 3900
3850  POKE 216,0: REM  CLEARS APPLE DOS ERROR CONDITION
3860  PRINT  CHR$ (12): HOME : REM 80/40 CLMN SCRN CLEAR
3870  INVERSE : PRINT "             S A F E C O M            ": NORMAL
3880  PRINT : PRINT  CHR$ (BEEP): PRINT "Can't find a file by that name"
3890  PRINT : PRINT "Press any key:";: GET ANS$: PRINT ANS$: GOTO 3520
3900  PRINT D$"VERIFY ";FILNAME$
3910  REM GOT THIS FAR, SO FILE MUST EXIST
3920  LET TN$ =  MID$ (FILNAME$, LEN (FILNAME$) - 2,2)
3930  IF TN$ <  > ",D" THEN 4000
3940  LET FILNAME$ =  LEFT$ (FILNAME$, LEN (FILNAME$) - 3)
3950 :
3960  REM ----------------------------
3970  REM  CHECK FILE FOR LONG RECORDS
3980  REM ----------------------------
3990 :
4000  PRINT  CHR$ (12): HOME : REM  80/40 CLMN SCRN CLEAR
4010  INVERSE : PRINT "             S A F E C O M            ": NORMAL
4020  PRINT : PRINT : PRINT "Checking file for records that are"
4030  PRINT "too long (greater than 80 chars)...": PRINT
4040  ONERR  GOTO 4140
4050  PRINT D$"OPEN ";FILNAME$: PRINT D$"READ ";FILNAME$
4060  &  INPUT REC$: IF  LEN (REC$) < 80 THEN 4060
4070  PRINT  CHR$ (7)"Whoops!  Found a long record:": PRINT : PRINT REC$
4080  PRINT : PRINT "Sorry, but you can't encrypt this file."
4090  PRINT : PRINT "Use your text editor to make the file's"
4100  PRINT "lines no longer than 80 characters."
4110  POKE 216,0: PRINT D$: PRINT D$"CLOSE"
4120  PRINT : PRINT "Press any key:";: GET ANS$: PRINT ANS$: GOTO 2110
4130 :
4140  POKE 216,0: PRINT "File checks OK": PRINT
4150 :
4160  REM -----------
4170  REM GET THE KEY
4180  REM -----------
4190 :
4200  PRINT : PRINT "Enter password:";: &  INPUT KEY$
4210  IF KEY$ = "" THEN 2110
4220 :
4230  REM ---------------
4240  REM ENCODE THE FILE
4250  REM ---------------
4260 :
4270  LET F1$ = FILNAME$:F2$ = F1$
```

```
4280  IF  RIGHT$ (F2$,4) = ".PLN" THEN F2$ =  LEFT$ (F2$, LEN (F2$) - 4)
4290  LET F2$ = F2$ + ".COD"
4300  PRINT D$"OPEN "F1$
4310  PRINT D$"OPEN "F2$
4320  PRINT D$"DELETE "F2$
4330  PRINT D$"OPEN "F2$
4340  ONERR  GOTO 4700: REM EOF
4350 :
4360  REM == ACTUAL CONVERSN ==
4370  REM
4380  REM KPTR = KEY POINTER.  FINDS NEXT CHAR TO ENCODE
4390  REM  C = CHAR COUNTER.
4400  LET KPTR = 0:C = 0:CODE$ = ""
4410  PRINT D$"READ "F1$
4420  &  INPUT PLAIN$
4430  IF  LEN (PLAIN$) = 0 THEN 4410: REM BLANK LINE
4440 :
4450  FOR I = 1 TO  LEN (PLAIN$)
4460  LET KPTR = KPTR + 1
4470  IF KPTR >  LEN (KEY$) THEN KPTR = 1
4480  LET KEY =  ASC ( MID$ (KEY$,KPTR,1))
4490  LET CODE =  ASC ( MID$ (PLAIN$,I,1)) + KEY
4500  REM  D1 = LEFT DIGIT OF ENCRYPTED DIGIT PAIR
4510  REM  D2 = RIGHT DIGIT OF ENCRYPTED DIGIT PAIR
4520  LET D1 =  INT (CODE / 16):D2 = CODE - D1 * 16
4530  LET D1$ =  CHR$ (D1 + 48 + (7 * (D1 > 9)))
4540  LET D2$ =  CHR$ (D2 + 48 + (7 * (D2 > 9)))
4550  LET CODE$ = CODE$ + D1$ + D2$
4560  LET C = C + 1
4570  IF C >  = 29 THEN  PRINT D$"WRITE "F2$: PRINT CODE$
4580  IF C >  = 29 THEN CODE$ = "":C = 0
4590  NEXT
4600 :
4610  REM  0D IS A RESERVED CODE TO TELL THE DECODER
4620  REM  THAT THIS IS THE END OF THE LINE.
4630  LET CODE$ = CODE$ + "0D"
4640  LET C = C + 1
4650 :
4660  GOTO 4410: REM   GET NEXT REC
4670 :
4680  REM == HANDLE EOF ==
4690 :
4700  POKE 216,0: REM  CLEARS APPLE DOS ERROR CONDITION
4710  IF C THEN  PRINT D$"WRITE "F2$: PRINT CODE$
4720  PRINT D$: PRINT D$"CLOSE": GOTO 2110: REM  MAIN MENU
4730 :
4740  REM ====
4750  REM QUIT
4760  REM ====
4770 :
4780  PRINT  CHR$ (12): HOME : REM 80/40 CLMN SCRN CLEAR
4790  PRINT "Bye..."
4800 :
```

```
4810  REM  DELETE THE POKES BELOW IF THIS PROGRAM IS NOT
4820  REM  RUNNING ON AN APPLE.
4830  POKE 1014,SAV(1): POKE 1015,SAV(2): REM  RESTORE & HOOK

SAVE SAFECOM
```

```
From 8137492915477184313
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-21 06:20:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihuxf!cuda
From: cuda@ihuxf.UUCP (Mike Nelson)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <2395@ihuxf.UUCP>
Date: Fri, 21-Sep-84 09:20:57 EDT
Article-I.D.: ihuxf.2395
Posted: Fri Sep 21 09:20:57 1984
Date-Received: Tue, 25-Sep-84 20:58:50 EDT
References: <1267@unm-cvax.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 13
```

My favorite is the Lisa. Some 4 or 5 thousand bucks = half meg
memory and NO operating system! Of course for a measily grand
more you can have the other half meg of ram that the Lisa OS
takes and two hundred gets you the OS.

Mike Nelson
AT&T Bell Labs
ihuxf!cuda

PS My office mate has a Lisa she uses for graphics. It is one
of the best machines around for that. I just don't like the
way they market it.

```
From 14180008624740103 43
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fb65fb929c7ba339,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 08:26:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
```

Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!cmcl2!lanl-a!unm-cvax!cs4911ay
From: cs4911ay@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple Shafts America (response to response)
Message-ID: <1272@unm-cvax.UUCP>
Date: Fri, 21-Sep-84 11:26:06 EDT
Article-I.D.: unm-cvax.1272
Posted: Fri Sep 21 11:26:06 1984
Date-Received: Wed, 26-Sep-84 04:08:51 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 60

[It is pitch black. You are likely to be eaten by a --]

> From: purdue!allegra!amd!phil (Phil Ngai)
>
> ...
>
> That was the stupidest thing I've read all month.

Aw, come on; I can think of three or four others that top mine any day of the week. :-)

> Why don't you design your own fat mac and sell it for $1495.
> Then everyone would love you. But I know you're not going to.
> Must be because you're greedy.

Who said anything about $1495? All I'm asking for is $3000, a perfectly reasonable amount. Especially when one considers that Apple was selling Macs to dealers for $1650 when they first came out (the price has, I believe, dropped since then), and I really don't think they were losing money on that deal.

> Do you know what they call a business that sells things for less
> than they cost to make? BANKRUPT! Do you know how much 256K RAMs
> go for? $40 each. Do you know how much it costs my company to
> process a simple purchase order? > $50. Do you know what my company's
> required return on investment is? 2 to 1.

$30, since Apple is getting a discount for quantity. And I certainly don't expect any company to become a charity organization. I do, however, expect a certain amount of consideration for the people who supported the company and made its new product a commercial success. This, I think, is nothing more than good public relations.

> No one forced you to buy the Mac, so quit whining about how much it
> costs. If price really mattered you'd wait til it came down like
> calculators and IBM-PCs. Shut your face.

If one waited forever, one would never buy anything. Or what one bought would be obsolete. Agreed, no one forced me to buy my Mac, and I am not whining about the price I paid for it. My complaint is with the

surcharge Apple is forcing its customers to pay in order to make their product as useful as it should have been to begin with. It is perfectly obvious that Apple knew that 128K was inadequate, since all their spec sheets (as found in the $150 "Inside Macintosh" manual) refer to 512K Macs with double-sided drives, and that they misled their customers into thinking that the product they were buying was the real thing. What they should have done was, up-front, revealed this fact, charged their original customers a few hundred bucks more, and given them a coupon which would entitle them to free upgrade upon release of the Fat Mac. This, at least, would have let the buyer know what he was getting into.
Shut my face? Gosh, and not even a :-). I'm seriously hurt.

=-+-=

Mike Conley
U.N.M., Albuquerque, NM
ucbvax!unmvax!cvax:cs4911ay

"Think of it as evolution in action."

From 9110243739869819890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f79b271cfa7a2280,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 09:17:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!decwrl!decvax!
ittvax!dcdwest!sdcsvax!sdcc6!loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro.apple
Subject: cpm2dos conversion program
Message-ID: <498@loral.UUCP>
Date: Fri, 21-Sep-84 12:17:06 EDT
Article-I.D.: loral.498
Posted: Fri Sep 21 12:17:06 1984
Date-Received: Wed, 26-Sep-84 02:29:05 EDT
Lines: 150

The follwoing was extracted from a local BBS and can serve
as a cp/m to dos transfer program.

The only catch is that the file is saved on the DOS disk with
a file identifier as binary. This however can be changed to
text with a sector editor program. Please read on. The file
can be downloaded and the pertinent part EXEC'd. Please
read on.

Msg #7673 on 08/06/84 @22:14 (130)
Subj: CPM2DOS, To: George Wadsworth

From: Irwin Hom, San Diego, CA ->FWD

```
FP
MONICO

1 REM TO RUN THIS PROGRAM, INSERT
2 REM DOS DISK IN DRIVE A, AND CP/M
3 REM DISK IN DRIVE B.  SYNTAX IS:
4 REM    A:<DOS>=B:<CP/M>
10 PRINT CHR$(4);"BRUN CPMXFER,A$900"

SAVE CPM2DOS
CALL-151

6000:AD 00 E0 C9 4C F0 06 A5 4C A4 4D D0 04 A5 6F A4
6010:70 85 08 84 09 98 38 E9 11 0A 85 54 A9 00 2A 85
6020:55 A9 60 8D 9F 0F A9 02 8D A0 0F A0 00 8C A2 0F
6030:C8 8C A1 0F 20 58 FC 20 A7 0D 58 0E BA 8E A9 0F
6040:AE A9 0F BA A9 A4 85 33 8D A5 0F 20 67 FD 8A F0
6050:EF AD 00 02 C9 83 D0 03 4C D0 03 A2 02 BD 00 02
6060:DD 0C 0F D0 06 CA 10 F5 4C F9 0B A2 02 BD 00 02
6070:DD 0F 0F D0 06 CA 10 F5 4C E1 0B A0 00 8C A5 0F
6080:8C A8 0F 8C A7 0F A2 2B A9 20 9D 0C 0E CA D0 FA
6090:AD 01 02 C9 BA D0 07 20 D7 0C 8D A2 0F C8 20 84
60A0:0D C9 3D F0 0B 9D 0D 0E E8 E4 20 D0 F1 4C 9F 0D
60B0:8A F0 FA 8D A6 0F B9 01 02 C9 BA D0 04 20 D7 0C
60C0:C8 A2 00 CE A5 0F 20 E9 09 C9 2E F0 0F 9D 2D 0E
60D0:E8 E0 08 D0 F1 20 E9 09 C9 2E D0 F9 A2 08 20 E9
60E0:09 9D 2D 0E E8 E0 0B D0 F5 20 84 0D F0 05 C9 2F
60F0:F0 02 60 88 68 68 8A F0 B4 20 84 0D 38 E9 54 8D
6100:A4 0F AD A2 0F CD A1 0F D0 0D 20 A7 0D 71 0F A9
6110:D3 20 F8 0D 4C 40 09 20 4F 0C A0 00 84 50 84 51
6120:8C A3 0F 20 6D 0C B0 39 A2 0A BD 39 0E 29 7F DD
6130:2D 0E D0 EF CA 10 F3 AD 44 0E 48 0A 0A 0A 0A A8
6140:A2 00 BD 48 0E 99 AA 0F C8 E8 E0 10 D0 F4 68 69
6150:00 CD A3 0F 90 08 8D A3 0F AD 47 0E 85 50 4C 23
6160:0A CE A3 0F 10 03 4C 96 0D AD A3 0F AE A4 0F F0
6170:0C C9 02 90 08 20 A7 0D 80 0F 4C 40 09 4A 85 51
6180:A9 00 6A 05 50 85 50 05 51 D0 08 20 A7 0D 90 0F
6190:4C 40 09 A0 00 8C A3 0F C8 8C 9E 0F AD A4 0F D0
61A0:03 20 63 0B A4 50 C4 54 A5 51 E5 55 F0 02 B0 04
61B0:A5 51 90 09 AD A4 0F D0 BC A4 54 A5 55 84 56 85
61C0:57 A9 AA A0 10 85 52 84 53 CE 9E 0F D0 03 20 02
61D0:0D AD 9E 0F 4A B0 03 20 22 0D A5 52 18 69 80 85
61E0:52 90 02 E6 53 A5 50 D0 02 C6 51 C6 50 A5 56 D0
61F0:02 C6 57 C6 56 A5 56 05 57 D0 CE AD A4 0F D0 06
6200:20 87 0B 4C 09 0B 20 1A 0B A5 50 05 51 D0 95 AD
6210:A4 0F D0 03 20 81 0B 4C 40 09 20 A7 0D 43 0F A5
6220:52 38 E9 AA A8 A5 53 E9 10 48 20 D3 0D 98 48 20
6230:F3 0D 20 A7 0D 27 0F 20 54 0B 20 A7 0D 2E 0F A0
6240:AA A9 10 20 D3 0D 20 A7 0D 31 0F 68 A8 68 20 D3
6250:0D 4C 79 0B A0 00 B9 0D 0E 20 F8 0D C8 CC A6 0F
6260:D0 F4 60 20 A7 0D 12 0F 20 54 0B 20 79 0B 20 A7
```

```
6270:0D 20 0F 20 54 0B 4C F3 0D 20 A7 0D 3C 0F 4C F3
6280:0D 20 A7 0D 18 0F 60 A9 AA A0 10 85 56 84 57 AE
6290:A8 0F A0 00 B1 56 09 80 C9 9A D0 01 98 C9 8A D0
62A0:04 E0 8D F0 03 20 BC 0B E6 56 D0 02 E6 57 A5 56
62B0:C5 52 A5 57 E5 53 90 DA 8E A8 0F 60 AA 20 F8 0D
62C0:C9 8D D0 05 A9 00 8D A7 0F C9 A0 90 03 EE A7 0F
62D0:C9 89 D0 0C A9 A0 20 BC 0B AD A7 0F 29 07 D0 F4
62E0:60 20 C3 0C F0 03 20 A6 0C 20 A7 0D 34 0F 20 A7
62F0:0D 3C 0F 20 F3 0D 4C 40 09 20 C3 0C F0 03 8D A1
6300:0F 20 4F 0C 20 6D 0C B0 43 AD 44 0E D0 F6 EE A5
6310:0F AD A5 0F 4A 90 0C 20 F3 0D AD A1 0F 18 69 C1
6320:20 F8 0D A9 BA 20 F8 0D 20 F6 0D A0 00 B9 39 0E
6330:20 F8 0D C8 C0 08 90 F5 20 F6 0D B9 39 0E 20 F8
6340:0D C8 C0 0B 90 F5 20 F6 0D 4C 04 0C 4C 40 09 AD
6350:A1 0F 20 EB 0C A9 03 8D 9D 0F A9 00 8D 9C 0F 8D
6360:9E 0F 8D A5 0F 20 E3 03 85 07 84 06 60 AD 9E 0F
6370:29 07 D0 03 20 2F 0D AD 9E 0F 0A 0A 0A 0A 0A A8
6380:B9 AA 10 D0 0E A2 00 B9 AA 10 9D 38 0E C8 E8 E0
6390:20 D0 F4 08 EE 9E 0F AD 9E 0F C9 30 F0 05 28 D0
63A0:CC 18 60 28 38 60 8D A2 0F 20 EB 0C 4A 4A 4A 4A
63B0:69 30 8D 3E 0F AD A0 0F 69 30 8D 41 0F 60 68 68
63C0:4C 7B 09 AD 03 02 C9 8D F0 F3 C9 A0 D0 F0 AD 05
63D0:02 C9 BA D0 E9 A0 04 20 84 0D 38 E9 41 90 04 C9
63E0:06 90 DA 20 A7 0D 71 0F 4C 40 09 48 29 01 18 69
63F0:01 8D A0 0F 68 0A 0A 0A 29 F0 49 FF 69 61 8D 9F
6400:0F 60 AC A3 0F EE A3 0F B9 AA 0F 48 29 03 0A 0A
6410:8D 9C 0F 68 4A 4A 18 69 03 8D 9D 0F A9 08 8D 9E
6420:0F 60 A0 08 A5 52 91 06 C8 A5 53 91 06 D0 0B A0
6430:08 A9 AA 91 06 C8 A9 10 91 06 AE 9C 0F AD 9D 0F
6440:20 54 0D AE 9C 0F E8 E0 10 90 05 A2 00 EE 9D 0F
6450:8E 9C 0F 60 48 A0 01 AD 9F 0F 91 06 C8 AD A0 0F
6460:91 06 C8 A9 00 91 06 C8 68 91 06 C8 BD FD 0D 91
6470:06 A9 01 A0 0C 91 06 20 E3 03 20 D9 03 90 16 A9
6480:07 4C F8 0D B9 00 02 C8 29 7F C9 0D D0 07 2C A5
6490:0F 10 0A A9 00 60 20 A7 0D 52 0F 30 07 68 68 20
64A0:A7 0D 62 0F 4C 40 09 68 85 F0 68 85 F1 AA A9 02
64B0:18 65 F0 A8 90 01 E8 8A 48 98 48 A0 02 B1 F0 AA
64C0:88 B1 F0 85 F0 86 F1 88 B1 F0 AA 20 F8 0D C8 8A
64D0:10 F6 60 20 D7 0D 98 48 20 DD 0D 68 60 48 4A 4A
64E0:4A 4A 20 E8 0D 68 29 0F C9 0A 90 02 69 06 69 B0
64F0:4C F8 0D A9 8D 2C A9 A0 09 80 4C ED FD 00 06 0C
6500:03 09 0F 0E 05 0B 02 08 07 0D 04 0A 01 77 00 00
6510:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
6520:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
6530:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
6540:00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
6550:00 00 00 00 00 00 00 00 20 20 20 20 20 20 2A 2A
6560:2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A
6570:2A 2A 2A 2A 2A 0D 20 20 20 20 20 20 2A 20 20 20
6580:20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
6590:20 20 2A 0D 20 20 20 20 20 20 2A 20 20 43 50 2F
65A0:4D 20 54 4F 20 41 50 50 4C 45 20 44 4F 53 20 20
65B0:2A 0D 20 20 20 20 20 20 2A 20 20 20 20 46 49 4C
```

```
65C0:45 20 54 52 41 4E 53 46 45 52 20 20 20 20 2A 0D
65D0:20 20 20 20 20 20 2A 20 20 20 20 20 20 20 20 20
65E0:20 20 20 20 20 20 20 20 20 20 20 20 2A 0D 20 20
65F0:20 20 20 20 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A
6600:2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 8D C4 C9 D2 C3
6610:C1 D4 04 4F 50 45 4E A0 0D 04 43 4C 4F 53 45 8D
6620:04 57 52 49 54 45 A0 04 42 53 41 56 45 A0 2C 41
6630:A4 2C 4C A4 04 43 41 54 41 4C 4F C7 2C 53 36 2C
6640:44 31 8D 0D 46 49 4C 45 20 4C 45 4E 47 54 48 3A
6650:20 A4 07 0D 46 49 4C 45 20 4E 4F 54 20 46 4F 55
6660:4E C4 07 0D 43 4F 4D 4D 41 4E 44 20 45 52 52 4F
6670:D2 07 0D 49 4E 56 41 4C 49 44 20 44 52 49 56 C5
6680:07 0D 46 49 4C 45 20 54 4F 4F 20 4C 41 52 47 C5
6690:07 0D 45 4D 50 54 59 20 46 49 4C C5 00 00 00 00
66A0:00 00 00 00 00 00 00 00 00 00 FF FF FF FF FF FF
66B0:FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
66C0:FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
66D0:FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
66E0:FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
66F0:FF

3D0G
BSAVE CPMXFER,A$6000,L$06F0
FP
```

On the CPMXFER file, the converted binary file should be marked text.
I don't have the source code, but the signature byte is written as a
04h (file type BIN) and not 00h (file type TEXT). If you can use some
sort of track/sector editor to change that byte in the catalog track,
that file will read as straight ASCII text.

```
From 6078703036944700997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 09:44:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <194@ssc-bee.UUCP>
Date: Fri, 21-Sep-84 12:44:38 EDT
Article-I.D.: ssc-bee.194
```

Posted: Fri Sep 21 12:44:38 1984
Date-Received: Wed, 26-Sep-84 01:39:38 EDT
References: <755@ihuxk.UUCP>
Organization: Boeing Aerospace, Seattle
Lines: 52

...

While the prose in the original flame waxed a little excessive, I agree with the substance: Apple Computer Company is no longer the computer company for the rest of us.

As a longtime owner of an Apple][, I am very disappointed by the evolution of Apple's corporate philosophy. The early Apple believed in the masses. A general purpose machine was offered, and complete specs were given with the machine to ENCOURAGE independent work. Now, except for the][e, Apple is attempting to force a closed architecture upon the market, and the thought of telling the mere, average person what is going on inside sends shudders through the corporate structure. Detailed specs are sold at a hefty price. Substance in manuals has been replaced with Madison Ave, gee-whiz fluff. Software developers are "certified" because everyone knows John Q. Public can't program and shouldn't be encouraged to program.

[2 paragraphs of execessive prose deleted.]

What really takes the cake, is Apple's refusal to stand behind the consumer. First, there was the rev. A/ rev. B][e where the owner had to prove he needed the rev. B board. More recently,][c owners find the serial port is improperly designed, and Apple says "Prove you need it" before they will fix it. Now, the poorly conceived memory board of the Mac has finally proven to be inadequate, and the user must pay the price (and then some).

Having vented my wrath, I have a suggestion for Apple (who is on the NET, right?):
Form a review board of users to comment upon the design at various steps. Keep honest reviewers, and don't get rid of the strident voices. (As a public service, I reluctantly volunteer :=)

To the Apple apologists on the net: What Apple doesn't need now is a pat on the back. They have made several obvious mistakes both in design and support. Only a mass outcry and consumer boycott can penetrate their smugness.

mike eve

--
     Mike Eve   Boeing Aerospace, Seattle
     ...uw-beaver!ssc-vax!ssc-bee!eve

From -8633613223275654046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 10:04:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihuxf!schnable
From: schnable@ihuxf.UUCP (Andrew T. Schnable)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <2396@ihuxf.UUCP>
Date: Fri, 21-Sep-84 13:04:13 EDT
Article-I.D.: ihuxf.2396
Posted: Fri Sep 21 13:04:13 1984
Date-Received: Tue, 25-Sep-84 21:25:03 EDT
References: <1267@unm-cvax.UUCP> <323@hoxna.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 8

A megabyte upgrade for a 5620 DMD terminal is $1300.
This is using the same 256K chips. I belive that if you
buy a new unit with the 1Meg option, it is only
$1000 extra.

Maybe Teletype should raise their prices to compete, eh?

andy ihuxf!schnable

From 335803536493365043
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f242dccededca56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 13:29:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: High density disk drives?
Message-ID: <195@ssc-bee.UUCP>

Date: Fri, 21-Sep-84 16:29:46 EDT
Article-I.D.: ssc-bee.195
Posted: Fri Sep 21 16:29:46 1984
Date-Received: Wed, 26-Sep-84 01:41:13 EDT
Organization: Boeing Aerospace, Seattle
Lines: 23

Despite my previous flames about Apple Computer, the Company,
I am buying an Apple Computer][e to replace my aging
][. With the low price of][e's (<$700), I will stick
with my software library another year or so waiting
for the real Mac (color, etc.).

In the meantime, I want some disk storage. I mean 140k
is a drag, and with Prodos heirarchial directories almost
totally inadequate.

Your help is solicited. I want a high-density (:=) drive,300k or more.
I know of the Rana drives. Has anyone heard of anything else?
Please also tell me if the drive will read/write standard disks
(so I can share data with friends) and how easy it was to install
the drives under Prodos (if you have it).

Thanks.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From 5115802797724865823
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,20fb5dd17d791143,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,20fb5dd17d791143,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 14:28:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro,net.micro.apple
Subject: How do clean motherboards?
Message-ID: <196@ssc-bee.UUCP>
Date: Fri, 21-Sep-84 17:28:14 EDT
Article-I.D.: ssc-bee.196
Posted: Fri Sep 21 17:28:14 1984
Date-Received: Wed, 26-Sep-84 01:41:39 EDT
Organization: Boeing Aerospace, Seattle
Lines: 15

My Apple motherboard has gotten quite dusty from
running without the top, and I suspect oxidation
has occurred to some of the socket and chip contacts.
I want to clean up all the contacts. Is it safe to
immerse the whole board with all chips, resistors,
capacitors, etc. in place? If so, what cleaning
agent is recommended? Is it likely to help?

Thanks.

--
Mike Eve   Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -952127960777788572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 15:05:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!ark
From: ark@rabbit.UUCP (Andrew Koenig)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <3174@rabbit.UUCP>
Date: Fri, 21-Sep-84 18:05:29 EDT
Article-I.D.: rabbit.3174
Posted: Fri Sep 21 18:05:29 1984
Date-Received: Tue, 25-Sep-84 21:36:20 EDT
References: <2396@ihuxf.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 5

This is a free country. If you think someone charges too
much for a product or service, DON'T BUY IT. The only
thing that makes it possible to charge anything at all
is CUSTOMERS. It is silly to charge $500 for a product
if you can sell all you can make for $1,000.

From -392022297986241721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public

X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 20:57:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1164@hao.UUCP>
Date: Fri, 21-Sep-84 23:57:48 EDT
Article-I.D.: hao.1164
Posted: Fri Sep 21 23:57:48 1984
Date-Received: Wed, 26-Sep-84 02:21:38 EDT
References: <755@ihuxk.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 22

[]
Why is it that any sleezy, slimy, dirty action by a corporation
is excused as the corporation's obligation to it's stockholders?
Are there no decent owners of stock in this country? Is it really
a businessman's ethic to be a greedy, moneygrubbing SOB at the
expense of his customers?

For some reason, I thought Apple was a little different. Note
the past tense.

I paid list price because when I got mine that's all there was.
If I had thought the $2400 machine I was buying would devaluate ~$1000
in six months, I can assure you that I would have waited.
But then if I and all the others who bought in the first 100
days had waited, all the rest of you would have been able to
pick up the Mac for $100 - and you would have said no, thank you.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 6084224667754588689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,40de5515ef629e2d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 21:39:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Mac Altered Finder

Message-ID: <1165@hao.UUCP>
Date: Sat, 22-Sep-84 00:39:54 EDT
Article-I.D.: hao.1165
Posted: Sat Sep 22 00:39:54 1984
Date-Received: Wed, 26-Sep-84 02:21:57 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 12

[]
Has anyone seen the Altered Finder that was created and submitted
by Dave Kliman?

This is the one with the Ghost Busters and Oscar the Grouch.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 6948587301103376150
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,185234c366749067
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-21 21:51:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eneevax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!umcp-cs!eneevax!ong
From: ong@eneevax.UUCP (Chong Ong)
Newsgroups: net.micro.apple
Subject: Re: Apple II+ hard disks???
Message-ID: <167@eneevax.UUCP>
Date: Sat, 22-Sep-84 00:51:40 EDT
Article-I.D.: eneevax.167
Posted: Sat Sep 22 00:51:40 1984
Date-Received: Tue, 25-Sep-84 05:41:31 EDT
References: <13218@sri-arpa.UUCP>
Organization: Univ. of Maryland, EE Dept.
Lines: 11

Not only does the Corvus Constellation allow you to hook up an Apple
and an IBM to the same hard disk. It also allows you to connect other
computers like TRS-80's, NEC's, etc...
With the Corvus OmniNet local area network and a 20 meg Corvus drive,
you can actually link up to 64 workstations to that single hard disk,
complete with password security for each user. I've had the chance to
use such a system, and it seems great. You can 'partition' the disk, such
that software in DOS, CP/M, Pascal, and other formats can occupy various
parts of the disk at the same time, so you are not limited to just one
operating system. The only thing that puts me off is the price, which can

be pretty steep, depending on the configuration.

From 4552637972277168770
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-ArrivalTime: 1984-09-22 04:19:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <4814@brl-tgr.ARPA>
Date: Sat, 22-Sep-84 07:19:21 EDT
Article-I.D.: brl-tgr.4814
Posted: Sat Sep 22 07:19:21 1984
Date-Received: Wed, 26-Sep-84 06:27:10 EDT
References: <1267@unm-cvax.UUCP> <323@hoxna.UUCP>, <2396@ihuxf.UUCP>
Organization: Ballistics Research Lab
Lines: 3

Let's hear more about this Megabyte upgrade for the 5620.
Also, what do the internal switches do?
When is a tech manual going to be available??

From -5054289951425230242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-22 08:53:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!ron
From: ron@brl-tgr.ARPA (Ron Natalie <ron>)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <4820@brl-tgr.ARPA>
Date: Sat, 22-Sep-84 11:53:23 EDT
Article-I.D.: brl-tgr.4820
Posted: Sat Sep 22 11:53:23 1984

Date-Received: Wed, 26-Sep-84 07:00:45 EDT
References: <755@ihuxk.UUCP> <1164@hao.UUCP>
Organization: Ballistics Research Lab
Lines: 15

If you didn't think that the Mac was going to drop $1000 from
the list price you are overly naive. You could have expected
it to drop 20% alone from list as soon as the distribution got
set up such that they were fairly available. Technology in this
industry marches fast and now Apple has a new computer that they
can productively sell for a comparable price as the old one. This
is the only way a company can stay in business in this market. DEC
will be in this boat if they don't come out with a newer computer
soon, they are getting walked all over by people with brand new
fast and cheap minis that beat the shit out of the 780 family.

What would you have had Apple do? Inflate the price of their new
product so it would devalue the existing products selling price?

-Ron

From 4829581243517895942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,92c93878f7b7dae0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-22 09:52:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hou2g!mlr
From: mlr@hou2g.UUCP (M.ROBINS)
Newsgroups: net.micro.apple
Subject: Apple /// compiler
Message-ID: <320@hou2g.UUCP>
Date: Sat, 22-Sep-84 12:52:54 EDT
Article-I.D.: hou2g.320
Posted: Sat Sep 22 12:52:54 1984
Date-Received: Wed, 26-Sep-84 03:54:51 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 18

To Randy Menna:

I tried repling by mail to you, but twice it wouldn't ,make it.

I have a pascal compiler for the Apple ///. I would be willing to
part with it for a small percentage of the original cost. The only
catch is that the manuals have been sold. (My Apple /// was stolen
about a year ago, and I posted a for sale message for software and
manuals a few months ago to the net.) I still have the compiler with
the original disks.

If you are interested, make me an offer.

Mike Robins
ihnp4!hou2g!mlr

(201) 870-7311 (Days)

From 6448103948754263475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-22 18:56:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!seismo!
cmcl2!lanl-a!unm-cvax!nmtvax!ernie
From: ernie@nmtvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: The Apple Shaft
Message-ID: <515@nmtvax.UUCP>
Date: Sat, 22-Sep-84 21:56:36 EDT
Article-I.D.: nmtvax.515
Posted: Sat Sep 22 21:56:36 1984
Date-Received: Fri, 28-Sep-84 06:01:02 EDT
Organization: New Mexico Tech, Socorro, N.M.
Lines: 92

It was interesting to see the comments posted by Mike Conley and Mike Ward
re: the 512 Mac upgrade. Herein I'd like to exaplain a few things they
missed, and so here I go:

>> = Mike Conley (...unm-cvax!cs4911ay)
|| = Mike Ward (...hao!ward)

>> ... When the Mac was fiist announced, the
>> price was $1995...

I never saw $1995 as an "announced" price. I did see it as a "predicted"
price, but that wasn't Apple talking.

>> ... Then, when it
>> finally saw the light of day, filtered through display windows, the price
>> had somehow escalated to $2495 -- for the bare-bones system, of course.

Bare bones? I don't know what most people consider "bare bones", but I
doubt that a computer equipped with the equivalent of a monitor, a disk
drive, serial ports, extra disk port, a mouse and $200 worth of software
fits that description.

>> ... We all sprung our $2995 for the Mac and the printer, and

>> shortly afterwards realized that the thing was absolutely useless without
>> the second disk drive.

I realized that after playing with one in the store for about fifteen minutes.
That's one of the reasons that I didn't buy one when it first came out. I
guess what happened to you is what happens when someone doesn't play around
extensively with something before he buys it.

>> ...a workable system sells for $4485.

Huh? $4485? Where did THAT figure come from? Right now a 128K Mac with
a printer can be had for $2395, plus the $995 upgrade, that's about $3400.
What's the extra $1100 for?

>> ... They should properly be giving the damn thing [512K upgrade] away
>> for the price of labor, since the price hike in the beginning covers
>> what the upgrade should be costing now.

Hah! There never was a "price hike", just a lot of surprised people when
the figure the computer magazines gave turned out to be $500 low. As for
giving it away for labor cost, why should Apple give away two 256K chips
and all the hardware changes that come with the higher port speeds? Apple
has a responsiblity to its stockholders as well as its customers.

|| ... Apple has dropped the price (effective someday) by $300.

"Someday" is now. List on a 128K mac is now $2195.

|| ...before the Mac, the only decent thing they [Apple]
|| produced was little more than a toy, and that they have
|| produced failure after failure - if the Mac had not sold well
|| that company would now be worth zip!

HUH? Accepting for the moment (even though I don't) that the //e is
"little more than a toy", Apple's only really significant failure was
the Apple ///. The Lisa actually sold as many as Apple predicted, just
not as many as they had hoped. Had Mac not taken off, the increased
popularity of the //e after the PCjr came out would assuredly kept the
company's head above water, assuming it was in any real danger in the
first place.

|| ...Is anybody going to be stupid enough to buy a Fat Mac at $3100?

Probably a lot more people than those who were stupid enough to buy
a computer for $2500 on the basis of a neat commercial and lots of
promises :-).

Lessons Learned:

> Don't buy a computer just because it is "cute" or even
> "insanely great". Buy it because you know it can do
> everything (or at least most everything) you want it to
> do for the forseeable future. Don't buy a computer without

> the software you need. If the salesman says "someday", wait
> for "someday", or if you can't, get another machine. And
> last but never least, don't buy a computer you want to do
> serious work on until it has been on the market for at least
> nine months. If you buy before that, be prepared for broken
> promises and some surprises. Just think, if the two Mikes
> had waited until now to get their Macs, they could have had
> a much better system for only $700 more. I doubt that they
> would have been any worse off for the time without the Macs.

Come on guys, if you don't want to get shafted, don't bend over.

.rne.

...{convex,ucbvax,gatech,csu-cs,anl-mcs}!unmvax!nmtvax!ernie | Box 3101 C/S
...{purdue,cmc12}!lanl-a!nmtvax!ernie | Socorro NM 87801

From -6032305994373616919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-22 20:55:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1166@hao.UUCP>
Date: Sat, 22-Sep-84 23:55:15 EDT
Article-I.D.: hao.1166
Posted: Sat Sep 22 23:55:15 1984
Date-Received: Wed, 26-Sep-84 07:10:42 EDT
References: <755@ihuxk.UUCP>, <194@ssc-bee.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 21

[]

>What would you have had Apple do? Inflate the price of their new
>product so it would devalue the existing products selling price?

I would have Apple recognize that those of who bought early,
at list price, were a little freindlier than the Pournelles who
waited. I would have Apple give us a break on the price of the
upgrade.

I agree that I was just incredibly naive to think that Apple
was any different than any other money-grubbing corporation.
I hope Apple realizes what they've given away when the Japanese
drive them out of business.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 1750050007859208886
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-23 05:54:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Fortune) 6/7/84; site dmsd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hpda!dmsd!bass
From: bass@dmsd.UUCP (John Bass)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <142@dmsd.UUCP>
Date: Sun, 23-Sep-84 08:54:47 EDT
Article-I.D.: dmsd.142
Posted: Sun Sep 23 08:54:47 1984
Date-Received: Wed, 26-Sep-84 05:44:03 EDT
References: <1267@unm-cvax.UUCP>
Lines: 37

I am not associated with Apple, but the childish flaming at Apple for
charging a FAIR price for the FAT MAC requires a defense.

TESTED 64k DRAMs are under $3.50 each in volume ... TESTED 256k DRAMS are
still floating around or above $30.00 each and the price market COULD easily
suffer the increases caused by heavy demand as people switch from 64 to 256
parts .... just as the prices on 64k parts soared in 1981 as people switched
from 16k parts.

simple math is 18*$30 = $540. Dealers discounts are typically %40 off list
so an expected dealer can recieve the upgrade at about $999*0.6 = $600.

The remaining $60 plus or minus $50 is not enough to cover the paper work
and testing/restocking of old digital boards ... which CAN NOT be simply stuffed
into a new machine (used parts in new equip is against the law I understand).
Apple is going to end up with a lifetime supply of spares on the 128k mac
boards.

In realistic terms Apple is probably EATing $300-500 dollars by offering the upgrade at near componet costs ... and may eat a lot more if the price on 256k parts soars back above $40.00 a part.

The upgrade price is the nearest thing to a free lunch I have seen ... in an industry where multiples of x2.5 to x3.5 are min list prices above costs .... thus a fair price for the upgrade today would be above $30 * 18 * 3 = $1,620.00 plus installation labor and a restocking charge (and testing) for the old board ... a real value of closer to $2,000 even.

Apple is both VERY kind to its installed base ... and praying that the prices of the rams drop before it looses it's shirt on both the upgrade and the NEW price for the 512k MAC.

Go try to by 256k parts on the salvage/hobby market ... about $50 a chip including tax/shipping is common for untested parts. 18 * $50 = $900 ... take a batch of those and do your own upgrade ... hope it works ...

John Bass

From -9214448218470778680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-23 06:28:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Fortune) 6/7/84; site dmsd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hpda!dmsd!bass
From: bass@dmsd.UUCP (John Bass)
Newsgroups: net.micro.apple
Subject: Re: Apple Shafts America; or, The Comput
Message-ID: <143@dmsd.UUCP>
Date: Sun, 23-Sep-84 09:28:29 EDT
Article-I.D.: dmsd.143
Posted: Sun Sep 23 09:28:29 1984
Date-Received: Wed, 26-Sep-84 05:44:24 EDT
References: <1267@unm-cvax.UUCP>, <12500009@acf4.UUCP> <1158@hao.UUCP>
Lines: 34

Too the flamers and cryers ...

I don't own a MAC ... but borrow one regularly to do REAL work using beta copies of MacPlan and MacDraw over the last weeks ... I have few gripes about the product.

For a machine that has only been out a few months in volume everything seems to be doing well ... Dozens of packages are hiting the market.

The early IBM PC owners (and those of any other machine I can think of) went thru worse during the first 12 months of product introduction ...

Apple told no lies from what I can tell from having watched the product from before it's release .... we all knew from the first day that the other products from apple were months out from First Customer Ship.

As for the whine about price reductions ... WHAT THE &*^%*&^% are you (*&^(*&^%$ bitching about .... prices coming down from intial introduction is a FACT OF LIFE. If you want to talk of depreciation look at the sale price differential of a new car, mobile home, stero ... to value 12 months after introduction ... nothings changed in this world.
AND Apple ramped production fast enough not to have the SHORTAGE problems found for 6-24 months typical of IBM and DEC.

Cry if you wish ... but you are so spoiled as to not know what (troubles) you have missed. Whats the matter ... doesn't your mother love you?

It's a shame sometimes that the freedom of speech can be used to so widely bad mouth a supplier who is bending over backward to give us a better product than the IBM PC (its clones) and simular outdated 1970's products that are 1980's trash.

John Bass

From -44519028426730239
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c0f0b683a4007b43,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-23 17:38:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!epsilon!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Where's Woz (don't hold breath for II+ -> IIe upgrade)
Message-ID: <277@mb2c.UUCP>
Date: Sun, 23-Sep-84 20:38:10 EDT
Article-I.D.: mb2c.277
Posted: Sun Sep 23 20:38:10 1984
Date-Received: Wed, 26-Sep-84 05:10:45 EDT
Lines: 15

In reply to the question regarding the status of the card to allow those of us with II+ machines to upgrade to IIe's:

It doesn't look like the Woz is putting in too many late nights worrying about it. Last weekend he was here in Detroit and spent an hour on the radio, then four more hours at the InaComp Computer main store in Troy. Was he talking to the local techies about the nuances of the II+/IIe conversion board? Not a chance -- he was hyping "designer Apples" personally signed by Woz (the designer, get it). The whole thing was advertised all week on the radio. Disgusting.

Where have all the heros gone...

John Duncan   (mb2c!jed)   Michigan Bell   (313) 424-1653

From 1615199901854157470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-23 22:05:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site eagle.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxm!sftig!sfmag!eagle!adrian
From: adrian@eagle.UUCP (A.Freed)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1198@eagle.UUCP>
Date: Mon, 24-Sep-84 01:05:52 EDT
Article-I.D.: eagle.1198
Posted: Mon Sep 24 01:05:52 1984
Date-Received: Wed, 26-Sep-84 05:17:16 EDT
References: <755@ihuxk.UUCP> <194@ssc-bee.UUCP>
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 23

I suspect the marketing style of Apple was a result of the success
of a boring machine, the IBM PC. At least Apple did not produce another
PC compatible. The macintosh is a good bit-mapped graphics show-piece.
It is not easy to get that much code working that reliably.

I think it is a mistake to buy a nice machine and a bunch of promises.
If you want a machine to help you get some work done, there are probably
other people already doing similar work with an old machine with
fulfilled promises.

The exciting thing about the Macintosh is that people are seriously thinking
how to build systems with good user interfaces and which are well
integrated as well as modular.
I think we will see alot of nice bit-mapped graphics machines around
in the next few years. What will be the standard bit-mapped operating system?
Who will define it? A big corperation or someone working in their garage?
How can we write portable bit-mapped software?
In the meantime, the Mac. is not a bad terminal to my favourite
operating system and it is food for thought. Can anyone figure out
how their Icons can be non-rectangular and how to do a non XOR mouse?
A good exercise in bit-map arithmetic.

The above views are my own.

From 8657377121470838819
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 00:14:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site amd.UUCP
Path: utzoo!watmath!clyde!amd!phil
From: phil@amd.UUCP (Phil Ngai)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <353@amd.UUCP>
Date: Mon, 24-Sep-84 03:14:40 EDT
Article-I.D.: amd.353
Posted: Mon Sep 24 03:14:40 1984
Date-Received: Mon, 24-Sep-84 06:16:54 EDT
References: <1267@unm-cvax.UUCP> <142@dmsd.UUCP>
Organization: AMD, Santa Clara, CA
Lines: 14

I don't have an interest in Apple either but did want to say that
as a design engineer in a division which makes single board microprocessor
products, John Bass's numbers look reasonable to me. I know what we
pay for 256K rams and what our required markup to pay for overhead is
and actually, we'd charge a lot more than Apple is asking for the upgrade.

Does anyone remember the HP-35 and how it cost $395. HP dropped the
price on it and didn't offer discounted upgrades to anyone, I recall.

--

Phil Ngai (408) 982-6554
UUCPnet: {ucbvax,decwrl,ihnp4,allegra,intelca}!amd!phil
ARPAnet: amd!phil@decwrl.ARPA

From 3590197412237172903
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 08:36:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site wnuxb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!mgnetp!hw3b!wnuxb!djmolny
From: djmolny@wnuxb.UUCP (DJ Molny)
Newsgroups: net.micro.apple
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <246@wnuxb.UUCP>

Date: Mon, 24-Sep-84 11:36:17 EDT
Article-I.D.: wnuxb.246
Posted: Mon Sep 24 11:36:17 1984
Date-Received: Wed, 26-Sep-84 06:16:04 EDT
References: <755@ihuxk.UUCP>, <1164@hao.UUCP>
Organization: AT&T - Computer Systems Division
Lines: 25

What's all this noise about old Macs losing their value? Unless you're planning to sell the thing tomorrow, depreciation is only a paper loss designed to keep accountants busy. You want to see depreciation? Buy a new car. It will depreciate 10-20% the first day you own it.

The price was bound to come down; how could it not? Us early birds (I got mine in April) paid for product development costs, tooling costs, and a high demand/supply ratio. So what did we get in return? Six months of machine time, that's what. Was it worth it? Maybe yes, maybe no. So far, my Mac has helped me generate $1500 in consulting income (using MS-Basic of all things! I feel so cheap...)

Every Mac owner knew the price would come down and memory would increase. Everyone who writes software knows that product release dates are fairy tales. If you paid the premium for an early machine and couldn't use it, then I'm sorry for you. But I think everyone knew what they were getting into.

Regards,
DJ Molny
ccom consultants, inc.
at
AT&T Technologies
ihnp4!wnuxb!djmolny

From -8429814715735020666
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 09:21:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1.chuqui 4/7/84; site apple.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!nsc!voder!apple!toby
From: toby@apple.UUCP (Toby Farrand)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <3225@apple.UUCP>
Date: Mon, 24-Sep-84 12:21:39 EDT

Article-I.D.: apple.3225
Posted: Mon Sep 24 12:21:39 1984
Date-Received: Thu, 4-Oct-84 00:54:21 EDT
References: <1267@unm-cvax.UUCP> <142@dmsd.UUCP>
Organization: Apple Education Research Group, Cupertino CA
Lines: 15

John Bass has finally hit it right. If you think Apple is making any
money on the upgrade, you are sadly mistaken. I wish we were -- I own
stock. If you want to complain to someone, try the dealer you bought
your Mac from. They are the only ones making money on the upgrade.

Actually, you might try Japan inc. as well, I believe they are making
money on this as well.

Sorry to disappoint you all, but you'll have to think of something else
to flame at Apple for. Think hard, something will come to you.

These are *my* views and they do not represent those of my employer.

toby

From -2395930813044761905
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eceb70a2c6f44dbe,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 09:42:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fritz.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!trwrb!scgvaxd!pertec!felix!fritz!roger
From: roger@fritz.UUCP (Roger Webster)
Newsgroups: net.micro.apple
Subject: ... but what about the 2/10?????
Message-ID: <730@fritz.UUCP>
Date: Mon, 24-Sep-84 12:42:03 EDT
Article-I.D.: fritz.730
Posted: Mon Sep 24 12:42:03 1984
Date-Received: Thu, 4-Oct-84 03:32:48 EDT
Organization: FileNet Corp., Costa Mesa, Ca.
Lines: 19

When I placed my order for a Lisa 2/10 at the tail end of June,
Apple developer support said, "We're not promising, but Lisa 2/10's
should be out in mid-September." In mid-August, I called, and they
said, "Definitely mid-September." So mid-September rolled around,
and now they say, "Sorry, looks like January. But that's firm."

WHAT GIVES????? Apple, I know you are out there. You want software
for the Mac, yet you cannot produce the development system you

recommend! I keep hearing that you can't get a part (which part,
you won't say, at least to me). If I were you, I think I'd
send Mr. Jobs, or Woz, or somebody, to GET THE PARTS.

Patiently twiddling my thumbs.....

Roger Webster @ FileNet

ucbvax!trwrb!felix!fritz!roger

From 8420665021746615396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126bb2993c70f66b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 11:27:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:ag4
From: ag4@pucc-h (Jeff Lewis)
Newsgroups: net.micro.apple
Subject: Re: Apple keeps the elevator (what they also sell)
Message-ID: <1248@pucc-h>
Date: Mon, 24-Sep-84 14:27:02 EDT
Article-I.D.: pucc-h.1248
Posted: Mon Sep 24 14:27:02 1984
Date-Received: Wed, 26-Sep-84 19:32:16 EDT
References: <1153@hao.UUCP> <4750@brl-tgr.ARPA>
Organization: Splunge!
Lines: 10

I worked at a highly successful computer store for about 6 weeks this
summer (a mistake I'll never make again -- I can't stand working in sales)
that had a national account agreement with Apple. Hasn't anybody heard of
the Apple //c? When I was still there, it was way outselling the Mac.
But it's being marketed at the non-business, non-computer-hacker crowd,
so maybe you just didn't think about it...

--
Jeff Lewis
{decvax|ucbvax|allegra|seismo|harpo|teklabs|ihnp4}!pur-ee!lewie

From 3249151287498636161
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 12:01:14 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
sdcc6!loral!simard
From: simard@loral.UUCP (Ray Simard)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <505@loral.UUCP>
Date: Mon, 24-Sep-84 15:01:14 EDT
Article-I.D.: loral.505
Posted: Mon Sep 24 15:01:14 1984
Date-Received: Thu, 27-Sep-84 03:31:14 EDT
References: <1267@unm-cvax.UUCP>
Organization: Loral Instrumentation, San Diego, CA
Lines: 85

>   I just received news concerning the Fat Mac, of which we have all
>heard so much: the Macintosh, with 512K. It has been released and is
>on its way, delivery date approximately three weeks (or thereabouts;
>delivery dates haven't been Apple's strong point lately).
>
>   I also received news about its price.
>
>   Brace yourselves.
>
> $995. Yes, you read right: that's nine hundred ninety-five big ones,
>to be removed deftly from your wallet and placed just as deftly into theirs.
>All that on top of the $2495 (or $2195, if you happened to get it in one
>of the recent sales that have started to spring up here and there) which all
>us Macfans have already shelled out.

    Question: is the item worth $995? If it isn't few if any
persons will pay it. If it is, what's the gripe?

>   [Background: My friends and I who purchased Macs are not the
>businessmen-types that the Mac seems to be aimed at. We are but simple
>college students, not fortunate enough (or rich enough, as the case may be)
>to attend one of the schools in the Apple University Consortium, and get
>our Macs for dirt cheap.

    Ok, that's the gripe. This thing is priced at its presumed value,
rather than what those who would like to have one can afford.

>   Well, they sure got it to us, all right. For the measly sum of
>damn near a thousand bucks extra, we plebes can get ourselves the system
>that should have come out in the first place. So now Apple has us all
>over a barrel. We all sprung our $2995 for the Mac and the printer, and
>shortly afterwards realized that the thing was absolutely useless without
>the second disk drive. So, another $495 went down the drain. Next comes
>the realization that with the basic 128K, the user is left with too little
>memory to accomplish anything significant. So, another $995 down the tubes.
>Thus Steve Jobs' vision of the computer that anyone can use has become the

>computer that no one can afford, because a workable system sells for $4485.
>What a bargain!

The question remains: what was the basic Mac system worth? If is wasn't worth the $2995 it cost, why did anyone buy it? If it was, what's the gripe?

$995 for 384K of memory doesn't strike me as exorbitant.

> Looks like Steve & Co. are standing by to rake in the big bucks; The
>Rest of Us can all bend over and grab our ankles. It's coming in dry, folks;
>no Vaseline on this one.

>...Apple has shown that, in the end, they're not that much
>different from any other computer company, that they don't really give a
>damn about the end-user, and that the final arbiter is, as we all suspected
>but hoped against hope was not true, the bottom line on the ledger books.

Looks to me a bit like the old "I want it, I can't afford it, therefore those who sell it at the price I can't afford are money-grubbing hogs" line. I am sure of one thing; the author of this complaint will eventually depend on some business institution for his bread and butter (he does now, but perhaps doesn't realize it). If that company prices its products higher than their worth (to the market that buys them), they won't sell, and someone will come up with the same thing at a better price and capture the market. On the other hand, if it sells at prices that do not respect that "bottom line", they won't exist; and this person will find his employer bankrupt.

Businesses (including Apple) exist ONLY because they are able to market a product at a price that satisfies that market and produces revenues sufficient to pay its bills, its employees and management, and produces with some regularity a profit for the owners of the business. If you want to get something for less than it costs to produce it, who are you expecting to take up the loss, to subsidize you?

If you believe, as you indicated, that the price will drop, then perhaps the thing to do is to wait until that time. Until then, I can't see any basis for criticizing Apple.
--
[I am not a stranger, but a friend you haven't met yet]

Ray Simard
Loral Instrumentation, San Diego
{ucbvax, ittvax!dcdwest}!sdcsvax!sdcc6!loral!simard

From 5860859205582933953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-09-24 12:55:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!zehntel!hplabs!hao!seismo!
cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Shafts America; or, The Comput
Message-ID: <12500010@acf4.UUCP>
Date: Mon, 24-Sep-84 15:55:00 EDT
Article-I.D.: acf4.12500010
Posted: Mon Sep 24 15:55:00 1984
Date-Received: Thu, 27-Sep-84 04:22:51 EDT
References: <1267@unm-cvax.UUCP>
Organization: New York University
Lines: 21
Nf-ID: #R:unm-cvax:-126700:acf4:12500010:000:814
Nf-From: acf4!spector   Sep 24 15:55:00 1984

[Go Macintosh!]

Its nice to see a few people agree with me, but for those of you who are
still torqued about the value of your 128K Mac going down the tubes, look
on the bright side.   At least you didn't but an IBM-PC/xt the day before
they announced the price cuts and the new PC/at. Those folks really took
a bath. And I still say we're getting a decent price for more memory, better
performance, et al.
(By the way, anyone got $995 I can borrow for my Macintosh's upgrade? ;-)

"My opinion STILL may not reflect that of New York University, or anyone
else in particular..."

                  David HM Spector
                  NYU/acf Systems Group
                  Arpa: spector@nyu-cmcl1.ARPA
                  UUCP: ...!allagra!cmcl2!cmcl1!spector

PS: MacTerminal, MacProject and MacDraw are rumoured to be available in
     New York area stores...

From 5192466501350505270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-ArrivalTime: 1984-09-24 13:01:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
sdcc6!loral!simard
From: simard@loral.UUCP (Ray Simard)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <508@loral.UUCP>
Date: Mon, 24-Sep-84 16:01:06 EDT
Article-I.D.: loral.508
Posted: Mon Sep 24 16:01:06 1984
Date-Received: Thu, 27-Sep-84 03:31:50 EDT
References: <1164@hao.UUCP>
Organization: Loral Instrumentation, San Diego, CA
Lines: 42

> Why is it that any sleezy, (sic) slimy, dirty action by a corporation is >excused as the corporation's obligation to it's stockholders? Are there no >decent owners of stock in this country? Is it really a businessman's ethic to >be a greedy, moneygrubbing SOB at the expense of his customers?

What do you mean by sleazy? If you mean that you think everyone in those glass towers is another J. R. Ewing, you're entertaining a myth. If you mean that the management won't sell something unless the sale is profitable then that is not sleazy, it's inevitable, and desirable.

There is a word for businesses that are not run that way: bankrupt.

> For some reason, I thought Apple was a little different. Note the past >tense.

No, it follows the same rules. You can tell because they are still in business.

> I paid list price because when I got mine that's all there was. If I had >thought the $2400 machine I was buying would devaluate ~$1000 in six months, I >can assure you that I would have waited. But then if I and all the others who >bought in the first 100 days had waited, all the rest of you would have been >able to pick up the Mac for $100 - and you would have said no, thank you.

Most new items are placed on the market at a price gauged by the manage-ment to be appropriate. When sales figures arrive that show the decision was inappropriate, adjustments are made. Sure it's annoying to see the sale price drop after you've paid the higher price, but consider this: if the price had not dropped, would you now be any richer? What would the cost be? You must have felt that the item was worth what you paid for it, otherwise you'd not have made the purchase. Has the item changed?

Neither Apple nor the company you work for can exist without engaging in profitable enterprise. Your paycheck attests to that. If it were not for "moneygrubbers", you'd be out of work.
--
[I am not a stranger, but a friend you haven't met yet]

Ray Simard

Loral Instrumentation, San Diego
{ucbvax, ittvax!dcdwest}!sdcsvax!sdcc6!loral!simard

From -2678036588299136816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f1aec6da0c30438f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 14:09:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1   9/27/83; site hplabsb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hplabsb!walker
From: walker@hplabsb.UUCP (Rick Walker)
Newsgroups: net.micro.apple
Subject: Re: 6502 monitor request
Message-ID: <2519@hplabsb.UUCP>
Date: Mon, 24-Sep-84 17:09:50 EDT
Article-I.D.: hplabsb.2519
Posted: Mon Sep 24 17:09:50 1984
Date-Received: Wed, 26-Sep-84 19:25:29 EDT
References: <12530@sri-arpa.UUCP>, <178@uf-csg.UUCP>
Organization: Hewlett Packard Labs, Palo Alto CA
Lines: 22

<>
I am looking for the source to a 6502 system monitor for a small
controller project I am working on. Since the hardware will be
special purpose, I am willing to heavily modify the source file.

I would like to see the following features:

     Memory examine/deposit
     Trace of program flow
     Breakpoints
     Register examine/modify
     Downloading of Intel hex format object code
     Jump to address

Since I am new to this newsgroup, I apologize if this information
has been posted already. If I can't find one, I'll have to write
it - so any help is appreciated. Please reply to me and I'll send
a summary (or a listing) to anyone who requests it.

               Thanks in advance,
               Rick Walker (...!hplabs!hplabsb!walker)

From -8194792823182868897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-24 19:29:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hpda!fortune!amd!decwrl!sun!gnu
From: gnu@sun.uucp (John Gilmore)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Cores America
Message-ID: <1703@sun.uucp>
Date: Mon, 24-Sep-84 22:29:36 EDT
Article-I.D.: sun.1703
Posted: Mon Sep 24 22:29:36 1984
Date-Received: Thu, 4-Oct-84 03:55:35 EDT
References: <1267@unm-cvax.UUCP> <142@dmsd.UUCP> <3225@apple.UUCP>
Organization: Sun Microsystems, Inc.
Lines: 22

Maybe I'm showing my ignorance, but I thought the Mac didn't have
parity. This makes it $30 x 16 chips, not 18 chips. Not a big diff.

Considering the volumes they're buying in (hopefully they are not
paying $30/chip like the rest of us), Apple might not LOSE money on
the deal but they sure aren't going to make much.

And if you think issues of upgrades and dropped prices and old versus
new customers and dealers are easy to deal with, read:

     Hypergrowth: The Rise and Fall of Osborne Computer Corporation
     by: Adam Osborne and John Dvorak

     (Berkeley: Idthekkathan Publishing Co. He had to print it
      himself because it's so revealing that major publishers would
      not print it for fear of legal action.)

     ISBN 0-918347-00-9.

Costs about $30 and worth it, if you are in a growth company, invested
in one, or thinking about it.

From -8072802465985494465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12f7c6,e2b4eb73d054a402,start
X-Google-Attributes: gid12f7c6,public
X-Google-Thread: 1622d3,e2b4eb73d054a402,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 21:12:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!seismo!
cmcl2!lanl-a!unm-cvax!nmtvax!ernie

From: ernie@nmtvax.UUCP
Newsgroups: net.startrek,net.micro.apple
Subject: Tidbit
Message-ID: <518@nmtvax.UUCP>
Date: Tue, 25-Sep-84 00:12:13 EDT
Article-I.D.: nmtvax.518
Posted: Tue Sep 25 00:12:13 1984
Date-Received: Fri, 28-Sep-84 06:01:30 EDT
Organization: New Mexico Tech, Socorro, N.M.
Lines: 14

As an addition to the message on net.startrek about little things in
Star Trek III, here's something I noticed:

> In the scene where the Genesis information is transmitted
> from the pirate ship to the Klingon Bird of Prey, the sound
> effect for the "data cube" device is that of an Apple][
> booting up. (The feep, and then the drive recalibrating.)

Just a li'l trivia to brighten your otherwise interesting lives.

.rne.

...{convex,ucbvax,gatech,csu-cs,anl-mcs}!unmvax!nmtvax!ernie | Box 3101 C/S
...{purdue,cmc12}!lanl-a!nmtvax!ernie | Socorro NM 87801

From -2691273811250947509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bd47a798fe8ce08,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-24 21:45:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!zehntel!dual!amd!decwrl!
decvax!harpo!whuxle!spuxll!abnjh!usenet
From: usenet@abnjh.UUCP (usenet)
Newsgroups: net.micro.apple
Subject: Re: Aztec C for ProDOS
Message-ID: <853@abnjh.UUCP>
Date: Tue, 25-Sep-84 00:45:01 EDT
Article-I.D.: abnjh.853
Posted: Tue Sep 25 00:45:01 1984
Date-Received: Tue, 25-Sep-84 05:33:50 EDT
References: <13127@sri-arpa.UUCP>
Organization: ATTIS, NJ
Lines: 21

I just talked to somebody at MANX (Sorry! I didn't get his name.) about
the prodos version of Aztec C. He said that they were shooting for
getting it out by__GoOgLE_
X-Google-ArrivalTime: 1984-09-24 21:45:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!eosp1!robison
From: robison@eosp1.UUCP (Tobias D. Robison)
Newsgroups: net.micro,net.micro.apple
Subject: Well, College people, how do youlike your MACs?
Message-ID: <1145@eosp1.UUCP>
Date: Tue, 25-Sep-84 00:45:55 EDT
Article-I.D.: eosp1.1145
Posted: Tue Sep 25 00:45:55 1984
Date-Received: Thu, 27-Sep-84 02:39:47 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 32

References:

[parity error 02]

Last fall I went out on a limb and predicted that it was foolish for
any college to depend on MACs in 1984-85 for large numbers
of college students. I predicted that the MAC would not come out
soon enough, that reliable software would not be adequately available
for this semester, and that colleges making the early purchases of
MACs in quantity would find they had a lot of white elephants on their
hands for a while.

Apple has clearly done a much better job than I expected bringing out
a reliable MAC. Some good software packages at least are available.
Now I would appreciate hearing from people at schools (like Dartmouth)
that counted on the MAC to serve many students.

I will be glad to summarize private responses to the net.
How do you like the MAC? What are you able to do with it?
Do you know many students who are using MACs regularly in their work?
Do you wish your college had emphasized a different machine? If so,
which one?

If you write to me, please indicate your the degree of computer
literacy. It seems to me from information I have collected so far that
some of the happiest MAC users are computer jockeys with access to
as-yet-unreleased MAC software.

    - Toby Robison (not Robinson!)
    allegra!eosp1!robison
    or: decvax!ittvax!eosp1!robison
    or (emergency): princeton!eosp1!robison

From -1657863296343195575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public

X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 00:07:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcc3.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
sdcc3!ma155abl
From: ma155abl@sdcc3.UUCP (Orion The Hunter)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <2309@sdcc3.UUCP>
Date: Tue, 25-Sep-84 03:07:25 EDT
Article-I.D.: sdcc3.2309
Posted: Tue Sep 25 03:07:25 1984
Date-Received: Thu, 27-Sep-84 02:43:15 EDT
References: <755@ihuxk.UUCP>, <1164@hao.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 12

Come on. Apple is a company that may soon fold, so quit crying
about how Apple is shafting America.
The thing with Apple is that the managers there may not be
producing macintosh's at the optimal point, ie. where
the rate of return on investment equals the market determined
rate of interest.

(Apple lovers please send Flames to
  /dev/ULTIMATE-NULLIFIER)

-non-economist.

From 6192306603202940842
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 00:17:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcc3.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
sdcc3!ma155abl
From: ma155abl@sdcc3.UUCP (Orion The Hunter)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Apple. The computer company that does not shaft USA
Message-ID: <2310@sdcc3.UUCP>
Date: Tue, 25-Sep-84 03:17:34 EDT
Article-I.D.: sdcc3.2310
Posted: Tue Sep 25 03:17:34 1984
Date-Received: Thu, 27-Sep-84 03:30:19 EDT

References: <1164@hao.UUCP>, <508@loral.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 14

Apple computer company is one of the few innovative computer
companies in America. At least it doesn't make up some inferior
computer like and try to sell it at exorbitant prices, like some
well known PC manufacturer, and let's face it...
The mac is one of the most powerful PC's on the market today,
certainly superior to a 4.77 (haha) mhz HAL PC (and all other
HAL imitations).

A content Apple owner. (And macintosh's are cheap!!!!)

-ORION...The near omnipotent residing in /dev/ULIMATE-NULLIFIER.

From -7800996976392069266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,1102fdd208695957
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,1102fdd208695957
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1102fdd208695957
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 08:12:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site burl.UUCP
Path: utzoo!watmath!clyde!burl!wjb
From: wjb@burl.UUCP (Bill Buie)
Newsgroups: net.micro,net.micro.atari,net.micro.apple
Subject: Re: r UNIX based 6502 development tools
Message-ID: <546@burl.UUCP>
Date: Tue, 25-Sep-84 11:12:28 EDT
Article-I.D.: burl.546
Posted: Tue Sep 25 11:12:28 1984
Date-Received: Wed, 26-Sep-84 19:45:19 EDT
References: <443@houxl.UUCP>, <4736@brl-tgr.ARPA>
Organization: AT&T Technologies; Burlington, NC
Lines: 5

Information about UNIX(tm) based 6502 developement tools should also
be posted to net.micro.cbm.
--

                  --Bill Buie

From -3899404148586437764
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1025da7d0775d819,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-09-25 14:41:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Dave's Altered Finder
Message-ID: <1178@hao.UUCP>
Date: Tue, 25-Sep-84 17:41:22 EDT
Article-I.D.: hao.1178
Posted: Tue Sep 25 17:41:22 1984
Date-Received: Mon, 15-Oct-84 01:43:13 EDT
Distribution: net
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 21

[]

At his request, I have posted a copy of Dave Kliman's Altered
Finder in net.sources.

This will give your Macintosh an interesting new look.

It is in tohex format.

The easiest way to install it is to make it am application, then
hold down option and command while double-clicking it. Then,
you can delete "finder" and rename the altered finder "finder".

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 742124264295875006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1aeea4eaeb6cf367,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 16:14:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!mhuxn!mhuxl!mhuxh!slimw
From: slimw@mhuxh.UUCP (wittman)
Newsgroups: net.micro.apple
Subject: Apple Comm Card and Volksmodem Connection ?
Message-ID: <190@mhuxh.UUCP>
Date: Tue, 25-Sep-84 19:14:39 EDT
Article-I.D.: mhuxh.190

Posted: Tue Sep 25 19:14:39 1984
Date-Received: Thu, 27-Sep-84 03:50:59 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 28

Request for hookup information between an Apple Communications Card
and a Volksmodem.

I recently purchased both a Volksmodem and an Apple Comm Card.
I wished to use this combination as a low cost entry into "telecomputing."
However I have been unsuccessful in my attempts to get this pair to
work together. The Apple Comm Card not actually a true Apple Computer
product but rather a look-a-like (This may be the problem, but ProDOS
does recognize it as a Communications Card from the slot contents command).
I have been trying to understand RS-232 and what signals are
produced and required by both the Volskmodem and the Comm Card. I have tried
several connections, which I considered reasonable, but to no avail. I
have even consulted M. D. Seyer's book "RS-232 Made Easy" with no luck.
I have been able to use the Volksmodem with an Apple Super Serial Card
(not mine), which provides a few more signals than the Comm Card, so I
know the Volksmodem does work.
If anyone out there has gotten this combination to work or has
any constructive ideas on the subject I would be happy to hear from you.
I will readily admit that I do not have a complete comprehension of RS-232
and I may be missing something basic in the connections. Any help will be
appreciated and the results will be posted for those of you who
may be interested in the outcome.
Send electronic mail to the address in the header (mhuxh!slimw).

Thanks in advance,

Phil Wittman

From -6949387995550265669
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,20fb5dd17d791143
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,20fb5dd17d791143
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 17:12:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!mit-eddie!smh
From: smh@mit-eddie.UUCP (Steven M. Haflich)
Newsgroups: net.micro,net.micro.apple
Subject: Re: How do clean motherboards?
Message-ID: <2776@mit-eddie.UUCP>
Date: Tue, 25-Sep-84 20:12:05 EDT
Article-I.D.: mit-eddi.2776
Posted: Tue Sep 25 20:12:05 1984

Date-Received: Thu, 27-Sep-84 04:26:52 EDT
References: <196@ssc-bee.UUCP>
Organization: MIT, Cambridge, MA
Lines: 20

IF IT AIN'T BROKE, DON'T FIX IT! Think about it: If a machine or board
is working properly, nothing you do to it is likely to improve the
situation. So don't risk immersion in solvents or physical manipulation
to clean contacts. Even gentle manpulation can break component leads,
and many solvents leave behind worse deposits than they remove.

However, dust and various airborn grime definitely can be deleterious to
boards. First, dirt can attract or retain moisture, leading to
corrosion as well as current leakage paths. Second, and more important,
accumulated dust can significantly reduce air circulation around and
beneath chips, thereby reducing cooling, thereby increasing operating
temperature, thereby increasing the liklihood of component failure.

So it can pay to clean grime from boards, but only if it can be done
nonobtrusively. The best idea is to vacuum, or better, *blow*, loose
dust from boards, being careful not to touch components with the vacuum
cleaner. Of course, anytime you use a vacuum cleaner you are raising
are making airborn numerous microscopic particles, so power off all
rotating media and either cover removable magnetic media, or better,
remove them from the room.

From 2162350506152029637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f1aec6da0c30438f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 19:40:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eneevax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!seismo!umcp-
cs!eneevax!ong
From: ong@eneevax.UUCP (Chong Ong)
Newsgroups: net.micro.apple
Subject: Re: Apple Terminal Emulators..
Message-ID: <175@eneevax.UUCP>
Date: Tue, 25-Sep-84 22:40:58 EDT
Article-I.D.: eneevax.175
Posted: Tue Sep 25 22:40:58 1984
Date-Received: Fri, 28-Sep-84 05:40:42 EDT
References: <12530@sri-arpa.UUCP>, <178@uf-csg.UUCP>
Organization: Univ. of Maryland, EE Dept.
Lines: 14

Yes! The new Softerm 2 uses a 3-button keyboard expander to provide
extended terminal functions like keyboard macros, accessing file
transfer menus, special characters and PF keys, etc. This reduces the
clutter of control-whatever-it-is usually found with other terminal
emulation packages. It also emulates a sizeable number of terminals.

Some emulations require 64K RAM (Televideo 950, HP 2622A, Honeywell VIP7801)
Speeds are from 50 to 9600 baud, depending on your communications
interfaces. It is also one of the relatively few programs that support
the Novation Apple-Cat][modem at 1200 baud. It reads DOS, Pascal
and CP/M disk without additional hardware or software. File transfer
protocols included are character, XMODEM/XMODEM7 and Softrans, Softerm's
own protocol. A FORTRAN77 source code is also included for implementing
Softrans on the host machine. Monthly updates are available from Softerm's
dialup computer in Tenessee.

From 3032855824374802813
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-25 20:21:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1180@hao.UUCP>
Date: Tue, 25-Sep-84 23:21:13 EDT
Article-I.D.: hao.1180
Posted: Tue Sep 25 23:21:13 1984
Date-Received: Thu, 4-Oct-84 02:29:11 EDT
References: <755@ihuxk.UUCP>, <1164@hao.UUCP> <246@wnuxb.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 16

> So what did we get in return? Six months of
> machine time, that's what.

Six months running what software? Garbage that crashes and wipes
out your disks? Development? Not on the Mac! Business programs?
Not if you really have to get an answer!

No, the people who are getting their Macs now are the ones who
are getting the value for their dollars.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 8182665835156393952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1

X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-26 09:12:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tekig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!tektronix!tekig!
waynekn
From: waynekn@tekig.UUCP (Wayne Knapp)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <2280@tekig.UUCP>
Date: Wed, 26-Sep-84 12:12:50 EDT
Article-I.D.: tekig.2280
Posted: Wed Sep 26 12:12:50 1984
Date-Received: Fri, 28-Sep-84 06:36:27 EDT
References: <1267@unm-cvax.UUCP> <142@dmsd.UUCP>
Organization: Tektronix, Beaverton OR
Lines: 18

> Apple being kind? Come on who are you trying to fool. Apple
> is out to make a buck on EVERYTHING they do!
>
> The MAC doesn't use 18 memory chips, Apple is too cheap to put
> parity checking in its computers. MAC has only 16 memory chips.
> Also I really doult if Apple is paying $30 a chip! But even if
> they do pay that much, 16*$30 = $480 dollars. Looks like a lot
> of room for some profit.
>
> Lets keep all the facts straight. Apple exsists only to make
> money and you can be sure that everything that Apple does is
> to make more money.
>
> I hope people will forget all this nonsense about Apple being
> kind. Otherwise the next thing we will hear about is how IBM's
> great social virtues took it to the top.

From 8632055810080424706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b336ccd1a01bb7f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-26 11:25:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1e.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihu1e!nowlin
From: nowlin@ihu1e.UUCP (Jerry Nowlin)
Newsgroups: net.micro.apple
Subject: Re: Apple kept the elevator

Message-ID: <321@ihu1e.UUCP>
Date: Wed, 26-Sep-84 14:25:57 EDT
Article-I.D.: ihu1e.321
Posted: Wed Sep 26 14:25:57 1984
Date-Received: Thu, 27-Sep-84 04:59:42 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 22

.

I can hardly believe all you moaners and groaners that bought a "cute" little Macintosh and now you feel shafted. I think Michael Ward summed it up very nicely: "You've been stupid enough to cough up the bucks so far..."

Anyone who buys a computer and isn't familiar with the pitfalls involved should ask someone who is for help. Anyone who is familiar will tell you never to buy a new product till it's been out there for 6 months and you can see what it will do. Falling prices along with semi-annual upgrades are almost constants in the micro business. I have yet to buy anything, from a plain dumb terminal to a whole computer system, that hasn't dropped in price within a few months. Even after waiting 6 months to see how it stands up on the market.

I was slobbering over the Macs in the store when they first came out, but after 6 months I wasn't hungry anymore. I got a box of crayons at home if I want to draw pictures (they'll do colors!). You guys think you got the shaft. I think you were bending over with your cheeks spread when you bought your 128K Mac.

Jerry

From 4901018715460948483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 129c11,7b8fb0c452b252e1
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-26 16:58:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site muddcs.UUCP
Path: utzoo!watmath!clyde!akgua!whuxle!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!trwrb!scgvaxd!muddcs!russell
From: russell@muddcs.UUCP (Russell Shilling)
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Re: Re: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <239@muddcs.UUCP>
Date: Wed, 26-Sep-84 19:58:28 EDT
Article-I.D.: muddcs.239
Posted: Wed Sep 26 19:58:28 1984
Date-Received: Sat, 29-Sep-84 08:40:35 EDT

References: <2396@ihuxf.UUCP> <3174@rabbit.UUCP>
Organization: Harvey Mudd College, Claremont, CA
Lines: 41

[] Eat this square box, and you'll get indigestion...

> This is a free country. If you think someone charges too
> much for a product or service, DON'T BUY IT. The only
> thing that makes it possible to charge anything at all
> is CUSTOMERS. It is silly to charge $500 for a product
> if you can sell all you can make for $1,000.

I agree that this is a free country, and that the ultimate choice rests
with the purchaser, but didn't someone at Apple have the ambition to
make the computer for the Rest of Them ?? (I wouldn't think that anyone
on the net could be included in the 'Rest of Us' part of their Ad.)

Apple Computer may be selling all they can make right now, (since they
have just introduced a new product,) but the really important thing
to Apple will be the sales of the Mac in two to five years. The durability
of a micro is influenced more by the NUMBERS of units out there than by
the quality or friendliness of the product.
(Have you ever used a Commodore 64 ?? There must be zillions of those
suckers around by now. If you have used a C64, you should understand what
I mean by 'friendliness' or lack thereof.)

How much *GOOD* software will be written for a Mac if the developers have
to buy a Lisa, (see some of the other articles for a few flames about those)
and cannot get software or hardware for a reasonable price; and then after
all that, their market is ~10% of the size of the IBM PC market. If you
were a developer, which would you buy:
     a $5000 Mac with nothing, plus an $8000 Lisa with very little;
or
     an $8000 IBM PC/XT system, with available software for *ANY*
     development task ?
                    (* Prices approx. *)
I would like to see the Macintosh succeed, and make another standard for
IBM, et.al to copy. But I don't see it happening now that IBM and the
cloners have been dropping their prices to realistic levels for the
performance they deliver; (and what of the IBM AT? upward compatibility ??
Where is Apple's successor to the Lisa ?)

That's almost enough for now. Just so there's no misunderstanding of my
micro-preference, I own an IBM PC, but I prefer the Macintosh *DESIGN*,
and abhor the *MARKETING*. I guess you can't please everyone.

From 2730534269251217934
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9c067b0517d3cfd3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 05:40:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!seismo!
harvard!wjh12!genrad!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: Re: Cleaning hardware
Message-ID: <3757@decwrl.UUCP>
Date: Thu, 27-Sep-84 08:40:16 EDT
Article-I.D.: decwrl.3757
Posted: Thu Sep 27 08:40:16 1984
Date-Received: Wed, 3-Oct-84 08:28:23 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 37

> Subject: Re: How do clean motherboards?

> IF IT AIN'T BROKE, DON'T FIX IT! Think about it: If a machine or board
> is working properly, nothing you do to it is likely to improve the
> situation. So don't risk immersion in solvents or physical manipulation
> to clean contacts. Even gentle manpulation can break component leads,
> and many solvents leave behind worse deposits than they remove.

> However, dust and various airborn grime definitely can be deleterious to
> boards. First, dirt can attract or retain moisture, leading to
> corrosion as well as current leakage paths. Second, and more important,
> accumulated dust can significantly reduce air circulation around and
> beneath chips, thereby reducing cooling, thereby increasing operating
> temperature, thereby increasing the liklihood of component failure.

Oh, how true! My machine's keyboard began, over a period of time, to become flaky - it'd transmit F when I pressed S, S for F, 4 for 2, 2 for 4, and so on. The failures occurred more frequently when the weather was warm and humid. I figured the encoder chip was bad and replaced it, with TEMPORARY success. The new part began to do the same thing. I checked the power and everything else I could think of, and finally in desperation applied a solvent cleaner after blowing at the thing for a while with my lungs. The keyboard STOPPED working altogether. I could see that it was covered with soaked-down dust kittens and other gunk, and so my last great act of defiance was to take a toothbrush to it, dislodging all that yecch, and lo and behold, I have a working keyboard again, with a spare encoder chip for use when the one in use DOES finally die. I don't recommend this course of action, but it is clear that a) solvents can do more harm than good, and b) dust, etc., can cause serious problems to an ordinary PC board.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Thursday 27th September 1984, 08:44 EDT by DOSADI::BINDER

From 4243097089108814663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-27 10:49:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadovax.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!trwrba!cadovax!keithd
From: keithd@cadovax.UUCP (Keith Doyle)
Newsgroups: net.micro,net.micro.apple
Subject: Re: The Apple Shaft
Message-ID: <141@cadovax.UUCP>
Date: Thu, 27-Sep-84 13:49:07 EDT
Article-I.D.: cadovax.141
Posted: Thu Sep 27 13:49:07 1984
Date-Received: Sat, 29-Sep-84 09:39:29 EDT
References: <515@nmtvax.UUCP>
Organization: Contel Cado, Torrance, CA
Lines: 47
Xref: 7974 1192

[chew on this gibberish for awhile]

Has anyone noticed that the size of programs always expand to fill the available memory? Does anyone out there really think that a 128k MAC will be useful 6 months from now?

What else will we get with a 512k MAC except bigger programs that take longer to load? Is there any truth to rumors of MULTI-TASKING MAC software?

And what about batch processing of command lists? What new USEFUL features have we really gotten? What USEFUL features have we lost in exchange for screen sex?

This memory problem really irks me. The IBM has this problem too, and in spades. Remember the good old days when Wordstar was considered a BIG program in 24k? Now programmers can afford to use terribly inefficient compilers and write code in the quick-and-dirty. Is this good? Next we all get multi-tasking systems that put a premium on tight and re-entrant code so it dosen't hog the whole machine. Either that, or move to virtual memory type operating systems and just swap the hell out of everything.

And while I'm at it, does anyone out there really thing that the wave of 16 bit processors really gave us higher performance? I think all it gave us was more addressing space. It STILL takes 2 bus transfers to load an address into the processor. And SURE we went to higher clock rates on processors, but with the new EXPANDED instruction sets instructions take 4 times (or more) as many clock cycles to execute! Instruction sets are larger, so instruction codes are bigger, and so

are instructions. OBOY now we have more instruction fetch cycles per
instruction and the code is larger. What used to run in 64k now runs
in 256k JUST SO WE COULD HAVE MORE ADDRESSING RANGE! Is this progress?
Disk space just got smaller. That's ok, you have a winchester?

I think the only computer 'for the rest of us' is still an
ATARI or COMMODORE.

Don't get me wrong, I like screen sex, but there's more to life than
just sex.

but sex SELLS!

Keith Doyle
{ucbvax,decvax}!trwrb!cadovax!keithd

From 8020412996561955581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,e6b55bd944f34d59,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,e6b55bd944f34d59,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,e6b55bd944f34d59,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-10-04 15:03:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro,net.micro.cbm,net.micro.apple
Subject: vicmodem to rs422 (Mac) conversion.
Message-ID: <129@qumix.UUCP>
Date: Thu, 4-Oct-84 18:03:37 EDT
Article-I.D.: qumix.129
Posted: Thu Oct 4 18:03:37 1984
Date-Received: Fri, 5-Oct-84 20:46:19 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 25

This is what I have on paper so far. Anyone tried something like this
yet?

-----RS422 (+5v line driver/receiver)-----

```
MAC    function     breadboard       VICMODEM     function
1,3   ground        ground           1,12,A,N     ground
2     +5v           pwr to ic         ------
4      TXD+ -->     3.3k pullup -->     M        data to modem
5      TXD-          ----               ----
6    filtered +12v   ----                10       modem power
7  carrier detect<- LS04-8, 6 to 9, 5 to H,K     carrier detect
```

```
8      RXD+          ----               ----
9      RXD- <-- LS04-4 &1k res., 3 to <- B,C     data from modem

           back of mac
           -------------
           \5 4 3 2 1 /
            \9 8 7 6 /
             --------
```

The Macintosh book (red cover) seems to say you can run the RS422 lines
open ended like this. They talk about doing it with the imagewriter.
I have yet to hook this up and try it. Also, I want to make sure the
"back of mac" shows the pinouts in the right place.

From 9193524219384296318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cc867dfbf71cd68c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 16:45:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!twitch!hocad!houxm!ihnp4!drutx!shallman
From: shallman@drutx.UUCP (ShallmanJT)
Newsgroups: net.micro.apple
Subject: Re: Re: another article re: apple & the usa
Message-ID: <1239@drutx.UUCP>
Date: Thu, 4-Oct-84 19:45:37 EDT
Article-I.D.: drutx.1239
Posted: Thu Oct 4 19:45:37 1984
Date-Received: Sat, 6-Oct-84 05:35:48 EDT
References: <414@aluxe.UUCP> <505@charm.UUCP> <1183@hao.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 4

You can say that to the net, but can you say it to my face?

James Shallman
ATTISL Denver

From 8501923142516033457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9de427b47f065ffc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-04 23:03:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site wlcrjs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!wlcrjs!marc
From: marc@wlcrjs.UUCP (Marc Lavine)
Newsgroups: net.micro.apple
Subject: Re: A proposal for Mac upgrades
Message-ID: <352@wlcrjs.UUCP>

Date: Fri, 5-Oct-84 02:03:13 EDT
Article-I.D.: wlcrjs.352
Posted: Fri Oct 5 02:03:13 1984
Date-Received: Sat, 6-Oct-84 04:03:25 EDT
References: <227@ssc-bee.UUCP>
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 16

>   I propose Apple redesign the memory board the way they should have
>   designed it in the beginning. A simple board with 16 sockets and a
>   personality module (or jumpers) to allow the use of 64k or 256k rams (or
>   even 1 meg rams, if compatible).

From what I have heard and read, there is NO difference between the 128K
boards and the 512K boards except for the type of RAM chips installed.
In other words, the boards were designed to take either type of chip from
the beginning (or sometime around then). Apple wanted the Mac to be a
closed system in terms of hardware, and that appears to be their reasoning
in not using sockets for the RAM chips.
              Marc Lavine

--
Marc Lavine
...ihnp4!wlcrjs!marc

From 8766019296087032715
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,911e454347f05765
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,911e454347f05765
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 07:10:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!ihuxl!seifert
From: seifert@ihuxl.UUCP (D.A. Seifert)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Memory size and the PDP-8
Message-ID: <1385@ihuxl.UUCP>
Date: Fri, 5-Oct-84 10:10:30 EDT
Article-I.D.: ihuxl.1385
Posted: Fri Oct 5 10:10:30 1984
Date-Received: Sat, 6-Oct-84 05:24:35 EDT
References: <515@nmtvax.UUCP> <141@cadovax.UUCP> <53@redwood.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 16

> No, I skipped that generation. But in MY "good ol' days" an 8K-word PDP-8
> (12K byte-equivalent) comfortably ran TECO (an editor), TED (a screen editor
> written in TECO), and even *gasp* FORTRAN (both the compiler and user programs).

hey! _R_E_A_L PDP-8s only had 4k-words, and ran FOCAL (FOrmula CALculator),

a nice little interactive language. If your program was too big,
you could throw away the trig functions! How do you run a screen editor
on an asr33 teletype? Storing your programs was no problem, just roll up
the paper tape and pop it in a 35mm film can. Those were the days....
--
      "We've got a full tank of gas, it's dark, and we're
     _____   wearing sunglasses"
       /_____\   "Hit it!"
      /_______\
     |___| Snoopy
    ____|___|_____   ihnp4!ihuxl!seifert

From -8099717333885338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,5a463d2a568b5998,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,5a463d2a568b5998,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 08:44:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site digi-g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!stolaf!umn-cs!digi-g!brian
From: brian@digi-g.UUCP (Mr. Bozo)
Newsgroups: net.micro.apple,net.news.group
Subject: asking again: separate net.micro.mac newsgroup?
Message-ID: <278@digi-g.UUCP>
Date: Fri, 5-Oct-84 11:44:27 EDT
Article-I.D.: digi-g.278
Posted: Fri Oct 5 11:44:27 1984
Date-Received: Sun, 7-Oct-84 02:37:37 EDT
Organization: DigiGraphic Systems Corp., Mpls. MN
Lines: 12

<net.news.bug>
Yes, it's time once again to take a straw vote on adding net.micro.mac to
the newsgroup list. When net.micro.apple has about 50% (apple][,//e,//c)
and 50% (mac,lisa) articles, I for one think a new group is warranted. To
keep net.micro.apple from turning into 10% (apple][,//e,//c), 10% (mac,lisa),
and 80% (yes! to net.micro.mac, no! to net.micro.mac), please MAIL, don't
POST your replies (along with any suggestions, such as calling it something
other than net.micro.mac) to me, and I will summarize to the net in a couple
of weeks or so. Send to ...ihnp4!umn-cs!digi-g!brian

                                Merlyn Leroy
"When everything is said and done, there's nothing more to say or do."

From 3588493714454594909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3bde349f7220eb6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 08:59:07 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!linus!decvax!dartvax!betsy
From: betsy@dartvax.UUCP (Betsy Hanes Perry)
Newsgroups: net.micro.apple
Subject: Re: APPLE RUMOR
Message-ID: <2452@dartvax.UUCP>
Date: Fri, 5-Oct-84 11:59:07 EDT
Article-I.D.: dartvax.2452
Posted: Fri Oct 5 11:59:07 1984
Date-Received: Sat, 6-Oct-84 06:48:20 EDT
References: <12615@sri-arpa.UUCP>
Organization: Dartmouth College
Lines: 17

According to this week's (Oct. 1, p.83) *Computerworld*, Apple is buying out
the *special election edition* of Newsweek, which is not necessarily the
same as the November 8th edition. This would answer Dr. Pournelle's
objections about displacing regular advertisers.

My question is, what on earth can Apple DO with that much space? Dearly
as I love the Mac, I'd rather use it than read about it. Its qualities
are easier to convey by demonstration than by description.

Perhaps they'll be advertising 'the complete Apple line' rather than simply
the Mac.

--
Betsy Perry
UUCP: {decvax|linus|cornell}!dartvax!betsy
CSNET: betsy@dartmouth
ARPA: betsy%dartmouth@csnet-relay

From 548849048224557668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b9dafd474afe63bc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 09:27:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:aam
From: aam@pucc-h (Dwight McKay)
Newsgroups: net.micro.apple
Subject: UNIX on apples
Message-ID: <1314@pucc-h>
Date: Fri, 5-Oct-84 12:27:28 EDT
Article-I.D.: pucc-h.1314
Posted: Fri Oct 5 12:27:28 1984
Date-Received: Sat, 6-Oct-84 08:22:58 EDT
Organization: Purdue University Computing Center
Lines: 29

(* a feature is a bug in a three-piece suit *)

In hopes of breaking out of the 512K Mac/I-hate-Apple/etc loop how about a new topic?

Apple's Lisa (and hopefully Mac) are certainly powerful enough to run a version of UNIX. (Even IBM PC's run UNIX... :-)

A Lisa (or Mac) running a version of UNIX which took advantage of all the nice hardware (mouse, bit-map) would seem to be a real nice workstation at a moderate price. What do those of you with such a setup think of it? I've heard from the people at The Santa Cruz Operation (they did a Xenix port to the Lisa) and they really like using UNIX on the Lisa (but then again they did the port). I've also heard that UniPress's System V for the Lisa is slow and not very good in terms of support for Lisa's hardware.

I don't own a Lisa (or Mac) yet but I'm thinking about getting one to replace my trusty RS Color Computer (running OS9, is there an OS9 for Mac or Lisa?). Any and all suggestions and comments would be appreciated. You can mail them to me for summerization or simply post them.

Let's look at some interesting ways to USE what Apple has produced aside from whatever feeling you may have about the pricing/marketing/fairness of their hardware releases.

-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-
[Dwight McKay, PUCC user services]
[{decvax|harpo|ihnp4|inuxc|seismo|ucbvax}!pur-ee!Pucc-H:aam]
-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-=:*:=-

From 6514381346310836021
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5024737a421e61ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 13:34:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on 8088 Coprocessor Boards Want - (nf)
Message-ID: <2610@harpo.UUCP>
Date: Fri, 5-Oct-84 16:34:50 EDT
Article-I.D.: harpo.2610
Posted: Fri Oct 5 16:34:50 1984
Date-Received: Sun, 7-Oct-84 21:27:22 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8

#N::37600012:000:120

!bob   Oct 5 16:34:00 1984

Has anyone tried any of the 8088 coprocessor boards for the Apple 2?
I am interested in recommendations and warnings.

From -5372767504413830505
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae273b99e5218a5f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 13:45:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Public Domain Software wanted - (nf)
Message-ID: <2611@harpo.UUCP>
Date: Fri, 5-Oct-84 16:45:54 EDT
Article-I.D.: harpo.2611
Posted: Fri Oct 5 16:45:54 1984
Date-Received: Sun, 7-Oct-84 21:27:37 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 13

#N::37600013:000:262
!bob   Oct 5 16:45:00 1984

I am looking for public domain software for an Apple 2+.
1) A plotting routine which will accept as input empirical
data, scale it, fit a curve thru it, and display it.
2) Digital filter routines

Can anyone steer me to either of these?
                        Bob
                        harpo!bob

From 5002958962108473473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5024737a421e61ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 15:08:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on 8088 Coprocessor Boards Want - (nf)
Message-ID: <2612@harpo.UUCP>

Date: Fri, 5-Oct-84 18:08:16 EDT
Article-I.D.: harpo.2612
Posted: Fri Oct 5 18:08:16 1984
Date-Received: Sun, 7-Oct-84 21:27:52 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8

#N::37600012:000:120
!bob   Oct 5 16:34:00 1984

Has anyone tried any of the 8088 coprocessor boards for the Apple 2?
I am interested in recommendations and warnings.

From -1740408197053027328
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae273b99e5218a5f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 15:08:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Public Domain Software wanted - (nf)
Message-ID: <2613@harpo.UUCP>
Date: Fri, 5-Oct-84 18:08:31 EDT
Article-I.D.: harpo.2613
Posted: Fri Oct 5 18:08:31 1984
Date-Received: Sun, 7-Oct-84 21:28:07 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 13

#N::37600013:000:262
!bob   Oct 5 16:45:00 1984

I am looking for public domain software for an Apple 2+.
1) A plotting routine which will accept as input empirical
data, scale it, fit a curve thru it, and display it.
2) Digital filter routines

Can anyone steer me to either of these?
                        Bob
                        harpo!bob

From 8474412393699774221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,58613b312c4ffc17

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 15:38:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!uw-june!furuta
From: furuta@uw-june.UUCP
Newsgroups: net.micro.apple
Subject: Re: MacTerminal 1.1
Message-ID: <1836@uw-june>
Date: Fri, 5-Oct-84 18:38:19 EDT
Article-I.D.: uw-june.1836
Posted: Fri Oct 5 18:38:19 1984
Date-Received: Sat, 6-Oct-84 05:42:23 EDT
References: <118@philabs.UUCP>
Organization: U of Washington Computer Science
Lines: 7

The story seems to be that MacTerminal is trying to keep a consistent copy
of the screen on the disk so that if the power fails, things look the same
as when you left when you restart. I find the buzz annoying too---I'd
suggest you call or write Apple to suggest that it at least be made a setup
option.

                        --Rick

From 9216987245158005591
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cd34455be7ca1e28,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-05 23:46:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!linus!decvax!decwrl!amd!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Help needed w/ Manx C on Mac
Message-ID: <59@vectron.UUCP>
Date: Sat, 6-Oct-84 02:46:14 EDT
Article-I.D.: vectron.59
Posted: Sat Oct 6 02:46:14 1984
Date-Received: Sun, 7-Oct-84 21:14:00 EDT
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 26

I just received the Manx C compiler for Mac. I have several problems with it,
two of them in the tutorial. I think I may have a bad system disk. Does
anyone out there have this product working?
     Here are some of the problems I am having:
1. In the /include directory, cat errno.h returns nothing, so does
cat <errno.h. Typing in hello.c using cat works, as does cat hello.c.
2. Hello.c compiles and assembles fine, however when I link it with

ln hello.o -lc I get the error sys:lib/c.lib Not an object file! Also running libutil -ot c.lib gives a header error.
3. When I start the Z editor nothing happens and I have to re-boot.
     Any help or correspondence from other Manx C guinea pigs welcome. Is Manx on this net?

     For the observers out there I will say that this looks like a good package, if I can get it working. There are function calls for much of the Inside Mac stuff (lots of routines, *I* don't know if they have all of them or not), a Unix-like shell development environment, an editor (or so they say, see above), several utilities. A simple terminal program and a desk accessory are included in source and binary and there are sources for many of the utilities and libraries. Again, assuming there is more to it than the documentation, this looks like a fairly complete package. There is a phone # for support, however it is manned 1-6 Eastern time which is not so convenient for West Coast folks without large PacBell budgets.
     --Kent Johnson
       ucbvax!dual!vectron!ksj

From -7911780781240499456
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f40717e2c976938,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-06 00:12:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!linus!decvax!decwrl!amd!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Manx C for Mac (continued)
Message-ID: <61@vectron.UUCP>
Date: Sat, 6-Oct-84 03:12:13 EDT
Article-I.D.: vectron.61
Posted: Sat Oct 6 03:12:13 1984
Date-Received: Sun, 7-Oct-84 21:15:59 EDT
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 8

I forgot to say that I get "error reading disk, 0" when I do cp 1: 2: to copy the system disk. I first tried to copy it using diskutil, could this have mangled the disk? Also, cat errno.h works on the original disk but Z bombs to a standard bomb box. I am reluctant to try hello.c on the distribution disk which I like to keep write-protected as much as possible...
     --Kent Johnson
       ucbvax!dual!vectron!ksj

From 2069988225239606884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c184602ee9b61c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-06 19:19:35 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!len
From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.apple
Subject: Macprogramming.
Message-ID: <131@qumix.UUCP>
Date: Sat, 6-Oct-84 22:19:35 EDT
Article-I.D.: qumix.131
Posted: Sat Oct 6 22:19:35 1984
Date-Received: Sun, 7-Oct-84 21:56:42 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 44

Does anyone have any insights on what's the best program language software available or soon to be available for the Mac. What I've heard about so far is:

1. Modula II -a superset of pascal. I've heard the least expensive versions aren't that good.

2. Forth - 3 levels with rapidly escalated prices as you progress. A fast executing language, the dictionary is neat, the way the stack handles arithmentic is not so neat.

3. C -I hear it has bugs in the released version. For around $2k (gasp!) you can buy a cross-assembler version to run on your mainframe. Q.- Since we have Unix 4.2 and a C compilor at work anyway, why isn't there a cheaper, better way to go on this? It seems like a terminal emulator program with download and some primitive vax to Mac toolkit algorithums would be all you'd need. I guess they wouldn't make enough money that way.

4. Fortran 77 - This also runs on our vax but I see no vax support on that advertisement.

5. Pascal - Nice, clean structured language but less I/O capabilities than Modula II. Probably slower execution speed that Forth.

6. Mbasic - Now there's a language everybody understands. Unfortanately, it's slow and I unless you get something like waterloo basic, you get tired of using go to's and yearn for something more structured after awhile. Cbasic is fast but I don't think they have that for the Mac yet.

7. Let's see, what have I missed. I haven't seen 68000 assembly language available for the single 128k Mac yet. The only answer I got as to why was that nobody wants to write programs that are limited to 64k. My answer was "well, why don't you let us at least TRY." If that was the only reason, we should see it come out for the 512k version eventually.

8. What decides which is the "best" programmming language for the Mac?
My thoughts- price, availability, no bugs, transportability, ease to
learn it, execution speed, development time, ease of understanding to
other programmers, program structure, I/O capability, and documentation
either built into the SW or in the manuals.

From -6202024154428730729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,50feab6d5cc46eae,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,50feab6d5cc46eae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 00:10:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcc6.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!sdcsvax!sdcc6!80032706
From: 80032706@sdcc6.UUCP (80032706)
Newsgroups: net.micro,net.micro.apple
Subject: C Compilers for Apple II
Message-ID: <1772@sdcc6.UUCP>
Date: Sun, 7-Oct-84 03:10:40 EDT
Article-I.D.: sdcc6.1772
Posted: Sun Oct 7 03:10:40 1984
Date-Received: Mon, 8-Oct-84 03:24:37 EDT
Distribution: net
Organization: U.C. San Diego, Computer Center
Lines: 10
Xref: 8057 1266

(Line eater fodder)
     A while back, I posted an article requesting info on compilers for
the Apple II series. Due to the fact that I have just recently moved and
my files have not yet caught up to me and that there was recently another
article on Aztec C, which was the only compiler I got replies on, I will
not summarize the replies I got unless someone requests it. Thank you
all for dropping me the info.

                    David Smith @ UC Sandy Eggo
                    (Formerly at Proper Unix)

From -6559376836650096520
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7ad19b3b6d250d73,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 12:04:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site fortune.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!fortune!jon
From: jon@fortune.UUCP
Newsgroups: net.micro.apple

Subject: Mac C / RAMdisks???
Message-ID: <4430@fortune.UUCP>
Date: Sun, 7-Oct-84 15:04:34 EDT
Article-I.D.: fortune.4430
Posted: Sun Oct 7 15:04:34 1984
Date-Received: Mon, 8-Oct-84 03:31:14 EDT
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 21
Nf-ID: #N:fortune:22000005:000:907
Nf-From: fortune!jon   Oct 7 10:54:00 1984

Subject: Manx C & a query

We just got MANX C for our Macintosh this week. A two sentence review is that the documentation is excellent, and the software really does what the documents say it does, except for a couple of bugs. And the people at Manx seem to be right on top of things bug wise and are mailing out fixed copies to people at lightning speeds.

I have just started reading this so forgive me if this ground has already been covered, but does there exist out there in some obtainable form, a RAM disk driver for the 512k Macintosh? Most of that 512k seems to be unused. For example it seems like the Manx SHELL reloads itself from disk every time control returns from a program. If you could make a 256k ram disk then you would probably get all the extra memory speedups in the programs that are pushing the 128k limit, and get some use out of the other 256k as well.

Michael Toy

From -141078428291396641
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 12:04:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site fortune.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!fortune!jon
From: jon@fortune.UUCP
Newsgroups: net.micro.apple
Subject: Mac printer scoop
Message-ID: <4431@fortune.UUCP>
Date: Sun, 7-Oct-84 15:04:56 EDT
Article-I.D.: fortune.4431
Posted: Sun Oct 7 15:04:56 1984
Date-Received: Mon, 8-Oct-84 03:31:29 EDT
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 12
Nf-ID: #N:fortune:22000006:000:411

Nf-From: fortune!jon   Oct 7 11:23:00 1984

I have a copy of the Macintosh Developers Newsletter. The contents the letter were much less interesting and newsworthy for me than the actual newsletter itself. It was "Printed by MacWrite on an insanely great, unannounced Apple printer." I am no expert on print quality, but to my untrained eyes, the type looks as good as any typesetter could do.

Thought somebody might be interested,
Michael Toy

From -4752111874160524537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9de427b47f065ffc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 15:44:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!hao!ward
From: ward@hao.UUCP
Newsgroups: net.micro.apple
Subject: Re: A proposal for Mac upgrades
Message-ID: <1193@hao.UUCP>
Date: Sun, 7-Oct-84 18:44:06 EDT
Article-I.D.: hao.1193
Posted: Sun Oct 7 18:44:06 1984
Date-Received: Tue, 9-Oct-84 03:00:27 EDT
References: <227@ssc-bee.UUCP> <352@wlcrjs.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 18

> From what I have heard and read, there is NO difference between the 128K
> boards and the 512K boards except for the type of RAM chips installed.
> In other words, the boards were designed to take either type of chip from
> the beginning (or sometime around then).

Apple now says that there were four versions of the 128K board
made, and the latest version is identical to the 512K board.
Hardly "from the begining".

Also, some expensive and difficult to use de-soldering equipment
is needed to remove the old chips.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 5061333128362642626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d85269d670eb399c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 15:47:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!hao!ward
From: ward@hao.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macintosh -- The Computer for the Rich of Us
Message-ID: <1194@hao.UUCP>
Date: Sun, 7-Oct-84 18:47:30 EDT
Article-I.D.: hao.1194
Posted: Sun Oct 7 18:47:30 1984
Date-Received: Tue, 9-Oct-84 03:00:45 EDT
References: <12552@sri-arpa.UUCP> <1216@eagle.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 20

> I am fed up with reading this on the net:
>   "I feel like a fool for spending xxx on yyy because it does not do zzz."
> Would these people please just admit to themselves that they did a foolish thing

Sounds like you're asking people to do what you're tired of hearing
them do.
> buying yyy, sell it for 50% xxx and figure out what they really want yyy to do.
You'd make a great economist.

> I can't believe how many people think of Apple as a religious patriarchy.
> They are a computer company.

And a very greedy one, at that.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 1747128453717636271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c6fe5a2a4d8248ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 18:10:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/18/84; site qumix.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!len

From: len@qumix.UUCP (Leonard Labar)
Newsgroups: net.micro.apple
Subject: net.micro.mac
Message-ID: <132@qumix.UUCP>
Date: Sun, 7-Oct-84 21:10:45 EDT
Article-I.D.: qumix.132
Posted: Sun Oct 7 21:10:45 1984
Date-Received: Mon, 8-Oct-84 07:25:28 EDT
Distribution: net
Organization: Qume Corp., San Jose, CA
Lines: 5

Since I've been unable to deliver mail to the pollster in question,
I'll have to add my vote here. Yes, add a net.micro.mac ASAP! Not all
of us get fa.info~mac and I'm sure there would be more than enough
interest. Also, some of the type of language I've seen on this net
would seem to be more appropriate on net.flame.

From 8751371603032971495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 18:56:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site vectron.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!amd!dual!vectron!ksj
From: ksj@vectron.UUCP (ksj)
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop - (nf)
Message-ID: <62@vectron.UUCP>
Date: Sun, 7-Oct-84 21:56:02 EDT
Article-I.D.: vectron.62
Posted: Sun Oct 7 21:56:02 1984
Date-Received: Tue, 9-Oct-84 20:13:54 EDT
References: <4431@fortune.UUCP>
Organization: Vectronic's Computing, Berkeley, Ca.
Lines: 8

Rumor at the last SF Mac UG meet was that the printer will cost ~$5K
and is intended to be shared among multiple Macs on an AppleBus network.
It has 2 *Megs* of RAM (for fonts?) using the same 256K chips as the Fat Mac.
If this is true the single user is out of luck for a while until the price
comes down...but WHAT A PRINTER!
     Does any one else have any info on this device?
     --Kent

From 3080534114073766315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d950f8b8a89088e7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-07 20:11:37 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re:][e 80-col card recommendations sought
Message-ID: <5121@brl-tgr.ARPA>
Date: Sun, 7-Oct-84 23:11:37 EDT
Article-I.D.: brl-tgr.5121
Posted: Sun Oct 7 23:11:37 1984
Date-Received: Tue, 9-Oct-84 19:05:17 EDT
References: <234@ssc-bee.UUCP>
Organization: Ballistics Research Lab
Lines: 3

According to all reports (my dealer chose not to stock them),
the Apple Color Monitor 100 extended-memory RGB card for the
Apple //e is the very best performer although not the cheapest.

From -3461882393656209639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 01:57:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site wlcrjs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!ihnp4!wlcrjs!marc
From: marc@wlcrjs.UUCP (Marc Lavine)
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop
Message-ID: <363@wlcrjs.UUCP>
Date: Mon, 8-Oct-84 04:57:09 EDT
Article-I.D.: wlcrjs.363
Posted: Mon Oct 8 04:57:09 1984
Date-Received: Tue, 9-Oct-84 02:57:25 EDT
References: <4431@fortune.UUCP>
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 13

>   I have a copy of the Macintosh Developers Newsletter. The contents
> the letter were much less interesting and newsworthy for me than the actual
> newsletter itself. It was "Printed by MacWrite on an insanely great,
> unannounced Apple printer." I am no expert on print quality, but to my
> untrained eyes, the type looks as good as any typesetter could do.

I'd says the odds are 10 to 1 that its Apple's new laser printer to-be.
Steve Jobs was quoted in the September 17th "Portfolio Letter", describing
some new products, including a "dramatic breakthrough" in laser printing.
--
              Marc Lavine
uucp: ...ihnp4!wlcrjs!marc
MCI Mail: MLavine (174-4419)

From 2625842885510749531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c184602ee9b61c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 02:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-univax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-univax!ning
From: ning@ur-univax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macprogramming.
Message-ID: <5400002@ur-univax.UUCP>
Date: Mon, 8-Oct-84 05:20:00 EDT
Article-I.D.: ur-univa.5400002
Posted: Mon Oct 8 05:20:00 1984
Date-Received: Tue, 9-Oct-84 19:38:05 EDT
References: <131@qumix.UUCP>
Organization: University of Rochester: Computing Center
Lines: 58
Nf-ID: #R:qumix:-13100:ur-univax:5400002:000:3028
Nf-From: ur-univax!ning   Oct 8 05:20:00 1984

> Does anyone have any insights on what's the best program language
> software available or soon to be available for the Mac...
...
> What decides which is the "best" programmming language for the Mac?
> My thoughts- price, availability, no bugs, transportability, ease to
> learn it, execution speed, development time, ease of understanding to
> other programmers, program structure, I/O capability, and documentation
> either built into the SW or in the manuals.

Some years ago, just as Pascal became popular, we read and heard much about using the "correct" programming language. Arguments abounded about using the correct level of abstraction in a program versus arguments the speed and efficieny of it's resulting code. You couldn't beat the Fortran jock by writing faster code, but you couldn't beat the his Pascal opponent by implementing more elegant and sophisticated algorithms. Doesn't the same argument hold true when choosing the correct langauge for the Macintosh?

Who won? Well, absolutely no one starts a new project using Fortran; however, not many use Pascal, either. It seems that no one won. Many programmers prefer C; critical applications demand assembly langauge; and a good deal of business gets done over APL and some coffee. The point that I am trying to make is that the right langauge should provide the right level abstraction for the task, and more. Sometimes it's nearly impossible to reach a creative frame of mind with a langauge that's obtuse to your thoughts. [See Alan Kay's and Lawrence Tesler's articles (you know who they are) in September's single-topic issue of _Scientific_American_.]

With the limited choice of compilers available, I will agree that most of them are barfworthy implementations; they won't survive their infancy. It is tempting to use something that produces beautiful code or gets the quickie program done. But then you will be stuck with an assembly-langauge recipe-finder, or a Basic, smart-terminal program that runs 50-baud serial-ports, or the chore of translating them. All because the right compiler implementation didn't exist at the time.

No one could say anything truer of the Macintosh. Software houses have come out with about 20 different C compilers for the IBM PC, and some of them generate straight-jacket-tight code. Why--competition and a growing market of demanding PC developers. (All this nagging is not in vain.) However, let's not limit ourselves to just C compilers. Here at the University of Rochester on a BSD 4.2 Vax exists a Modula-2 compiler (from DEC Western Research Labs) that blows away the Unix C compiler. (And we all know that Modula's syntax is similar to Pascal's.)

While I am not trying to be as dogmatic as Niklaus Wirth, the point is that you should choose a langauge that you like and is suitable for the job, and then get the right implementation/s as they become available.

Ning____

..!{allegra|siesmo}!rochester!ur-univax!ning

about time someone--anyone--put the U of R on the netland map.

From 1912961442317555541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c184602ee9b61c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 02:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-univax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-univax!ning
From: ning@ur-univax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macprogramming.
Message-ID: <5400003@ur-univax.UUCP>
Date: Mon, 8-Oct-84 05:26:00 EDT
Article-I.D.: ur-univa.5400003
Posted: Mon Oct 8 05:26:00 1984
Date-Received: Tue, 9-Oct-84 19:38:35 EDT
References: <131@qumix.UUCP>
Organization: University of Rochester: Computing Center
Lines: 58
Nf-ID: #R:qumix:-13100:ur-univax:5400003:000:3028
Nf-From: ur-univax!ning   Oct 8 05:26:00 1984

> Does anyone have any insights on what's the best program language
> software available or soon to be available for the Mac...
...
> What decides which is the "best" programmming language for the Mac?
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> learn it, execution speed, development time, ease of understanding to
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..!{allegra|siesmo}!rochester!ur-univax!ning

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From 5211081148732778946
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c184602ee9b61c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 02:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: nyu notesfiles V1.1 4/1/84; site ur-univax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ur-univax!ning
From: ning@ur-univax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macprogramming.
Message-ID: <5400004@ur-univax.UUCP>
Date: Mon, 8-Oct-84 05:41:00 EDT
Article-I.D.: ur-univa.5400004
Posted: Mon Oct 8 05:41:00 1984
Date-Received: Tue, 9-Oct-84 19:39:20 EDT
References: <131@qumix.UUCP>
Organization: University of Rochester: Computing Center
Lines: 59
Nf-ID: #R:qumix:-13100:ur-univax:5400004:000:3110
Nf-From: ur-univax!ning   Oct 8 05:41:00 1984

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> software available or soon to be available for the Mac...
...
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> learn it, execution speed, development time, ease of understanding to
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[Anyway, why am I hashing all this out. I though people already knew this stuff.]

Ning____

..!{allegra|siesmo}!rochester!ur-univax!ning

about time someone--anyone--put the U of R on the netland map.

From 3364277059935381490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b0e600f1afe0656a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 05:12:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!mcnc!ecsvax!mjg
From: mjg@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: $995 memory and Newsweek
Message-ID: <3352@ecsvax.UUCP>
Date: Mon, 8-Oct-84 08:12:33 EDT
Article-I.D.: ecsvax.3352
Posted: Mon Oct 8 08:12:33 1984
Date-Received: Wed, 10-Oct-84 03:57:44 EDT
Lines: 4

OK, now we know why Apple charges so much for Mac upgrade RAM - they have to find SOME way of paying for the rumored entire ad space of the election issue of Newsweek! :-)

From -2234111833865400713
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bbadde5c5119d6c4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 05:59:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC
Newsgroups: net.micro.apple
Subject: Re: applesoft compilers
Message-ID: <3858@decwrl.UUCP>
Date: Mon, 8-Oct-84 08:59:54 EDT
Article-I.D.: decwrl.3858
Posted: Mon Oct 8 08:59:54 1984
Date-Received: Tue, 9-Oct-84 20:20:25 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 46

> Has anyone used the TASC compiler V2.0 with anything other than DOS 3.3,
> namely diversi-DOS, and had it work correctly? I have had some problems
> with this. Does any one have experience with other applesoft compilers.
> If so, how do they compare. How about a PRO-DOS compiler? I would like any
> info you might have on the matter.

> Brent Haws - STC StorageTek (Disk Division)

TASC is guaranteed not to work with Diversi-DOS because TASC modifies its DOS when it runs, and the hooks it alters are in the wrong places in Diversi-DOS. My own method is to use a standard TASC disk to compile and then copy the resultant file off onto a Diversi-DOS disk. It occurs that TASC might POSSIBLY work with Pronto-DOS, which claims to have all internal hooks in the same places as DOS 3.3. I haven't tried it because I don't like what I've seen of Pronto-DOS enough to buy a copy just to find out.

I am told that the Einstein Compiler is better than TASC, but I haven't been curious enough to blow the money on ANOTHER compiler.

As a matter of speculation, TASC should have no trouble producing executables that will run under Pro-DOS, if you go about things right. Try this:

1. Compile your programme normally with TASC. Then use Diversi-DOS's PAD command to find out how long the binary is.

2. Recompile with the following address assignments:

a. Programme to begin at $1000, or immediately above hi-res screen if you use hi-res.
b. Library to begin immediately after programme binary, as determined by the length that PAD gave you.
c. Variables to begin immediately after library; library is just under $1000 long.

Example: for a programme that produced a binary $343A long, the addresses I used were $1000, $4500, and $5500.

3. Continuing with the address assignments from the above example, perform the following steps to save your file:

a. BLOAD RUNTIME,A$4500
b. BLOAD PROGRAMME.OBJ,A$1000
c. BSAVE PROGRAMME.EXE,A$1000,L$4500

You now have a single BRUNnable binary file - transfer it to Pro-DOS and it ought to work. Let me know if it does, as I haven't sprung for Pro-DOS yet.

From -2122448992463137132
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,91cb4335e65aa770
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 08:58:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!abnjh!usenet
From: usenet@abnjh.UUCP (usenet)
Newsgroups: net.micro.apple
Subject: Re: Apple Comm cards -- what is the difference
Message-ID: <878@abnjh.UUCP>
Date: Mon, 8-Oct-84 11:58:04 EDT
Article-I.D.: abnjh.878
Posted: Mon Oct 8 11:58:04 1984
Date-Received: Tue, 9-Oct-84 04:05:10 EDT
References: <452@sftig.UUCP>
Organization: ATTIS, NJ
Lines: 10

It turns out that Apple has not made the 'plain vanilla' serial card for a long time. The only one they sell nowadays is the 'super serial' card. Whats more, the super serial card looks like it does just about everything you could reasonably want when interfacing to a modem or serial interface printer. It has a switch to enable transparent transmission of eight bit data. It has a switch to enable interrupts on each arriving character.
Answering my own questions,
Rick Thomas
ihnp4!btlunix!rbt

From -3190776607330722720
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,da637b2b80bbbe69,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 14:20:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxp!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Mac: 'C': How do you send a BREAK...
Message-ID: <425@aluxe.UUCP>
Date: Mon, 8-Oct-84 17:20:59 EDT
Article-I.D.: aluxe.425
Posted: Mon Oct 8 17:20:59 1984
Date-Received: Tue, 9-Oct-84 04:00:22 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 23

[]

I have been working on a vt100/tek4010 emulator for the Mac using
Aztec C 68k. It is about 80% finished, and I will probably post the
tohexed source to the net. It is nothing super fancy, but has some
"features" I wish MacTerminal/Tekalike would have.

I have not received my "Inside Macintosh" yet and I would like to know
a couple simple things about the serial port.

- How do you send a BREAK. Is there a poke() you can perform or
  do you have to time out 300ms with no start/stops bits.

- What are the hex masks for no/even/odd parity, 7/8 databits and
  1/1.5/2 stop bits. I think I have figured it out with
  the old MacTEP source, but I would like to know for sure.

Thanks much..

Lonnie R. Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -5076969870395648321
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f40717e2c976938
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-08 19:34:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcs.UUCP
Path: utzoo!utcs!bwp

From: bwp@utcs.UUCP (Bruce Pinn)
Newsgroups: net.micro.apple
Subject: Re: Manx C for Mac (continued)
Message-ID: <149@utcs.UUCP>
Date: Mon, 8-Oct-84 22:34:41 EDT
Article-I.D.: utcs.149
Posted: Mon Oct 8 22:34:41 1984
Date-Received: Mon, 8-Oct-84 22:40:40 EDT
References: <61@vectron.UUCP>
Organization: University of Toronto - General Purpose UNIX
Lines: 2

Manx C is copy protected! The copies that you made will never work correctly.
I suggest that you use the original distribution disks for the compiler.

From 3625037995141818878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9d99e1d412e4901,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9d99e1d412e4901,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 08:02:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro,net.micro.apple
Subject: Advice needed on Aztec C
Message-ID: <459@ittral.UUCP>
Date: Tue, 9-Oct-84 11:02:32 EDT
Article-I.D.: ittral.459
Posted: Tue Oct 9 11:02:32 1984
Date-Received: Thu, 11-Oct-84 03:49:34 EDT
Lines: 23

[]

Sorry if this gets posted twice, but I'm pretty sure the first one never
got out.

I'm ready to buy a C compiler for my Apple //e. I have a lot of info on the
Aztec C65 compiler from Manx, and I've pretty well decided that this is
what I want. I understand, however, that Manx also has Aztec C II which
runs under CP/M, and that they have a version for Apple CP/M. I'd like
some info on this compiler. Is there any advantage in buying the CP/M
version? I've heard that the DOS 3.3 version compiles rather slowly,
but produces fairly decent code. What about the CP/M version? I've seen
several other C compilers running under CP/M; would I be better off with
one of those?

By the way, I called The Programmer's Shop yesterday and found that Manx
is stopping mail order sales of their products through other dealers. So
if you want the Aztec C compiler, it looks like you have to order it

directly from Manx.

Doug Hall
ITT Telecom Products
ittvax!ittral!hall

From -526440061462652761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ca688d709bcc62d3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 10:46:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site zeppo.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!wjh12!genrad!decvax!harpo!zeppo!jrl
From: jrl@zeppo.UUCP (J. Liano)
Newsgroups: net.micro.apple
Subject: Greedy Apples
Message-ID: <1114@zeppo.UUCP>
Date: Tue, 9-Oct-84 13:46:25 EDT
Article-I.D.: zeppo.1114
Posted: Tue Oct 9 13:46:25 1984
Date-Received: Fri, 12-Oct-84 05:38:31 EDT
Organization: AT&T Bell Laboratories, Whippany
Lines: 19

I tend to agree that Apple Computer Corp. is doing what any person would do. It is charging the higest price the market will bear. After all they are'nt in business to benefit mankind. Greedy captialist pigs and all that.

However $ 995 for the 512K upgrade is quite steep. I have read that 256K DRAMS go for around $ 20 a piece. Let's see that 512K = 16 chips X 20 bucks = $320. Add another 15 for the board and maybe 60 for the glue chips, pullups and caps and the price goes up to $ 400 bucks. Add 125% markup and you have the $995 cost all accounted for. A similar tale can be told for hard disk drives - OEM price around $400, Retail price $ 1995.

The moral being, If you don't like being taken by large, greedy corporations, you can always wrap your own boards and cut out the middlepersons.

zeppo!jrl

From -8755441738052269119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9de427b47f065ffc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 12:56:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP

Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!zehntel!hplabs!
hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: A proposal for Mac upgrades
Message-ID: <1200@hao.UUCP>
Date: Tue, 9-Oct-84 15:56:20 EDT
Article-I.D.: hao.1200
Posted: Tue Oct 9 15:56:20 1984
Date-Received: Thu, 11-Oct-84 08:21:24 EDT
References: <12793@sri-arpa.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 27

> How many
> of the applications available or planned are severly handicapped by
> having only 128K?

Macwrite
Macpaint
Multiplan
Overvue
The Lotus Product
Word
Draw
Project
The Font Editor

These are the ones that come right to mind. I'm sure there are
others.

> PS: Everybody should go out and read a copy of "Atlas Shrugged"
>   By Ayn Rand.... $$

Oh, Lord, will we always have sophomores to plague us?
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 1693855618413758577
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14d0b9,e746f6e8ecc1b2ce,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 1622d3,e746f6e8ecc1b2ce,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 14:08:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hou5e.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!cbosgd!mhuxj!houxm!hogpc!houti!ariel!hou4b!

hou5f!hou5g!hou5h!hou5a!hou5d!hou5e!ihw
From: ihw@hou5e.UUCP
Newsgroups: fa.info-mac,net.micro.apple
Subject: Mac upgrade
Message-ID: <1018@hou5e.UUCP>
Date: Tue, 9-Oct-84 17:08:38 EDT
Article-I.D.: hou5e.1018
Posted: Tue Oct 9 17:08:38 1984
Date-Received: Wed, 10-Oct-84 06:20:40 EDT
Organization: AT&T Information Systems Laboratories, Holmdel, NJ
Lines: 27

<<<
Inasmuch as I'm about to buy a Mac, I'd appreciate some information about the
128K-to-512K upgrade (preferably from someone with first-hand experience or
reliable information).

I've done some pricing of the 128K and 512K Mac's. It seems that at certain
places, buying a 128K and the upgrade is only slightly more expensive than
buying the 512K. Since the upgrade supposedly comes with MacDraw and MacProject
the upgrade deal seems more attractive. My question is, if you buy a 128K Mac
now (after the 512K has been announced) will the upgrade really include the
extra software?

I don't want to buy a 128K now, wait for the upgrade (which isn't universally
available) and then find out that I'm not getting the freebies.

Any help on this is appreciated. Please reply by mail (unless you feel
the whole net would benefit).

Thanks,

Irwin Walkenfeld
AT&T Information Systems
....!hou5e!ihw

From -6640749862242404082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b4de689e2fe78f8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 18:26:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!aluxp!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Re: Mac 'C': How do you send a BREAK..
Message-ID: <426@aluxe.UUCP>
Date: Tue, 9-Oct-84 21:26:37 EDT
Article-I.D.: aluxe.426
Posted: Tue Oct 9 21:26:37 1984
Date-Received: Wed, 10-Oct-84 06:23:26 EDT

Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 29

[]
>
>   o How do you send a BREAK. Is there a poke() you can perform or
>   do you have to time out 300ms with no start/stops bits.
>

Well, I have answered my own question this time, looking through the
workshop stuff in SUMacC I found what I needed.

For Aztec C68 the following function will do the trick, the union
and structure are as defined in the example "term.c".

```
SendBreak()
{
     long ticks;

     Control(PortA.refout, 12, &Csp);
     ticks = TickCount() + 14;  /* use 210 for a Disconnect */
     while (TickCount() <= ticks)
          ;
     Control(PortA.refout, 11, &Csp);
}
```

And it does work....

Lonnie R. Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -2560002617364337428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d0fa11d0f6d8d854,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-09 20:57:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxh.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!intelca!qantel!dual!zehntel!
ihnp4!inuxc!inuxh!stevens
From: stevens@inuxh.UUCP (W Stevens)
Newsgroups: net.micro.apple
Subject: Looking for macget/macput
Message-ID: <300@inuxh.UUCP>
Date: Tue, 9-Oct-84 23:57:19 EDT
Article-I.D.: inuxh.300
Posted: Tue Oct 9 23:57:19 1984
Date-Received: Fri, 12-Oct-84 05:52:35 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 9

I'm looking for versions of macget and macput (source + man pages) that work, or can be made to work, with MacTerminal 1.1. (I don't have any versions of them at all right now.) Can anyone help?

--
Scott Stevens
AT&T Consumer Products (this week, anyway)
Indianapolis, Indiana, USA
UUCP: inuxh!stevens

From -3421795635444484036
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 07:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!philabs!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop
Message-ID: <12500013@acf4.UUCP>
Date: Wed, 10-Oct-84 10:26:00 EDT
Article-I.D.: acf4.12500013
Posted: Wed Oct 10 10:26:00 1984
Date-Received: Fri, 12-Oct-84 04:49:30 EDT
References: <-220000@fortune.UUCP>
Organization: New York University
Lines: 18
Nf-ID: #R:fortune:22000006:acf4:12500013:000:716
Nf-From: acf4!spector   Oct 10 10:26:00 1984

In a conference on compuserve, Bill Atkinson mentioned that the laser printer would go for under $3000, and a note I read LAST NIGHT (10/9) on CServe hinted (nay, said outeright) that there would be an Apple product announcement on the 15th or 16th. The note, btw, was from Dan Cochran, and was in reply to a query on why Assimlation (sp?) Process wasn't shipping the new MacWrite with the spelling checker.

Chochran's response was on the order of

   ...they are ready to ship, but Apple has asked them to wait until after the new product announcement of October 15th or 16th...

David HM Spector
NYU/acf Systems Group
ArpaNET: Spector@nyu-cmcl1.ARPA
uucpNET: ...!allegra!cmcl2!cmcl1!spector

From 1543806909223732115
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a24c65924026e7,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 120a1f,4a24c65924026e7,start
X-Google-Attributes: gid120a1f,public
X-Google-ArrivalTime: 1984-10-10 07:54:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ccice2.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rochester!ritcv!ccice5!ccice2!bhs
From: bhs@ccice2.UUCP (Ben Stoltz)
Newsgroups: net.micro.apple,net.wanted.sources
Subject: wanted: curses routines for SUMacC
Message-ID: <485@ccice2.UUCP>
Date: Wed, 10-Oct-84 10:54:53 EDT
Article-I.D.: ccice2.485
Posted: Wed Oct 10 10:54:53 1984
Date-Received: Fri, 12-Oct-84 05:47:24 EDT
Organization: CCI Central Engineering, Rochester, NY
Lines: 2

Has anyone put together a libcurses.a for SUMacC? I would like a copy of
the source if one exists.

From 9076433175587114689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22da6742902e0850,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 08:28:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles $Revision: 1.6.2.17 $; site uok.UUCP
Path: utzoo!linus!decvax!harpo!whuxlm!whuxl!houxm!mhuxj!ihnp4!inuxc!pur-ee!
uiucdcs!uok!jsmcginn
From: jsmcginn@uok.UUCP
Newsgroups: net.micro.apple
Subject: 65C02 Conversion?
Message-ID: <4500005@uok.UUCP>
Date: Wed, 10-Oct-84 11:28:00 EDT
Article-I.D.: uok.4500005
Posted: Wed Oct 10 11:28:00 1984
Date-Received: Thu, 18-Oct-84 19:33:35 EDT
Lines: 9
Nf-ID: #N:uok:4500005:000:299
Nf-From: uok!jsmcginn   Oct 10 10:28:00 1984

     I recently heard that the 65C02 was pin compatible with the 6502, and
that anyone with an Apple II,II+,or IIe can simply remove the 6502 from their
machine and replace it with the 65C02 and be able to use the new commands and
addressing modes. Has anyone ever tried this? Will it work?

j

From 7214030514598641203
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1b0ca43be136362a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 11:31:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihopb.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!whuxl!houxm!ihnp4!ihopb!em
From: em@ihopb.UUCP (Ed Moskowitz)
Newsgroups: net.micro.apple
Subject: Bill Atkinson talk
Message-ID: <615@ihopb.UUCP>
Date: Wed, 10-Oct-84 14:31:55 EDT
Article-I.D.: ihopb.615
Posted: Wed Oct 10 14:31:55 1984
Date-Received: Thu, 11-Oct-84 08:15:21 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 4

I will post the COMPUSERVE transcript of Bill Atkinsons conference.
Ed Moskowitz
AT&T Bell Labs (Naperville)

From 8728524762832599227
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cabbae6c71a520,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 13:23:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site utecfa.UUCP
Path: utzoo!utcsrgv!utai!uthub!utecfa!shubat
From: shubat@utecfa.UUCP (Alex Shubat GB251 9783124)
Newsgroups: net.micro.apple
Subject: PLEASE ....
Message-ID: <160@utecfa.UUCP>
Date: Wed, 10-Oct-84 16:23:57 EDT
Article-I.D.: utecfa.160
Posted: Wed Oct 10 16:23:57 1984
Date-Received: Wed, 10-Oct-84 19:41:38 EDT
Organization: Engineering Computing Facility, University of Toronto
Lines: 7

Termcap for the Apple II+ wanted.

I have an apple with 80 column card, CP/M card and the PDA 232 card.
I would like to connect to VAX running 4.2 BSD unix. Please send

me a termcap, THANKS in advance.
Alex.

From 3929969902776627729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6059bc6055610bd2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 13:41:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP
Newsgroups: net.micro.apple
Subject: Apple RGB == Taxan RGB == Video-7?
Message-ID: <243@ssc-bee.UUCP>
Date: Wed, 10-Oct-84 16:41:53 EDT
Article-I.D.: ssc-bee.243
Posted: Wed Oct 10 16:41:53 1984
Date-Received: Sat, 13-Oct-84 06:05:54 EDT
Distribution: net
Organization: Boeing Aerospace Co., Seattle, WA
Lines: 25

Spent my lunch hour looking at Apple's new RGB card and monitor. The
quality is pretty good and you can do some fancy things like 80-col text
with low-res graphics (I know, just what you wanted :-). The 80-col text
mode is still inferior to text on a monochrome monitor.

The monitor is rated at 25 Mhz with a .38mm pitch. Someone has already
mentioned the motor drive in the tilt control. It looks like the Monitor
][.

I was interested, but my dealer says delivery would take 30 to 60 days. He
suggested the Taxan 410 RGB with 64k as an immediately available
alternative. He uses this card with his Taxan RGB at home. He claims both
cards (Apple and Taxan) are made by Video-7.

Does anyone have experience with the Taxan 410 card? One particular area of
concern is the RGB output. Apple says a "summing network" is needed with
their card and is (as usual,nowadays) vague about the pinout. The Apple
Monitor 100 has the network built in, but my dealer wasn't sure about his
Taxan monitor.

Question: What is the Taxan pinout? (My monitor is a Zenith 135 and can
accept a wide variety of RGB signals, but doesn't have a summing network.)
--
Mike Eve Boeing Aerospace, Seattle
...uw-beaver!ssc-vax!ssc-bee!eve

From -513243203688719773

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e746f6e8ecc1b2ce
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 14:33:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!tektronix!uw-beaver!uw-june!
furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Re: Mac upgrade
Message-ID: <1864@uw-june>
Date: Wed, 10-Oct-84 17:33:51 EDT
Article-I.D.: uw-june.1864
Posted: Wed Oct 10 17:33:51 1984
Date-Received: Sat, 13-Oct-84 01:40:17 EDT
References: <1018@hou5e.UUCP>
Organization: U of Washington Computer Science
Lines: 7

You don't get the free software if you didn't own your Mac before the
announcement date.

Incidentally, articles shouldn't be *posted* to fa groups. Mail it to the
address given in the header instead.

                        --Rick

From -7536482250264008033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae273b99e5218a5f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 16:28:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site oliven.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!oliveb!oliven!hawk
From: hawk@oliven.UUCP (Rick)
Newsgroups: net.micro.apple
Subject: Re: Public Domain Software wanted
Message-ID: <654@oliven.UUCP>
Date: Wed, 10-Oct-84 19:28:06 EDT
Article-I.D.: oliven.654
Posted: Wed Oct 10 19:28:06 1984
Date-Received: Fri, 12-Oct-84 05:46:40 EDT
References: <2611@harpo.UUCP>
Organization: University of Waikiki
Lines: 10

While we're at it, how about the old (79-80ish) Apple Trek and Star Wars that
they used to ship on cassette with 16k machines. I still haven't found a star
trek that's nearly as fun (even if I never did win). Anybody know how to get
hold of them???

pretty please??

rick

From 2408396636320898755
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1c184602ee9b61c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 18:34:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!bonnie!akgua!whuxlm!spuxll!ech
From: ech@spuxll.UUCP (Ned Horvath)
Newsgroups: net.micro.apple
Subject: Re: Macprogramming.
Message-ID: <569@spuxll.UUCP>
Date: Wed, 10-Oct-84 21:34:12 EDT
Article-I.D.: spuxll.569
Posted: Wed Oct 10 21:34:12 1984
Date-Received: Thu, 11-Oct-84 08:25:23 EDT
References: <131@qumix.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 39

First, your question -- "what is the BEST programming language for the mac" --
is out of order: you program best in what you are most comfortable with.
There is a pretty clear consensus that MS Basic is about as poor as anything
you will encounter, but the tops is largely a matter of taste: no doubt
Jerry Pournelle will use Modula II when he eventually gives in...

Personally, I have MacFORTH level 2 ($250 list) which has a built-in
assembler that true FORTH hackers will want to have; even level 1 has a few
defining words that allow many of the toolbox traps to be reached, in addition
to the many traps that they support directly. More precisely, that is version
1.1. Window, menu, sound, and graphics are pretty well supported, and the
all-but-compiled object is pretty fast. A good, effective medium for probing
the toolbox calls, and you can do some learning and fun stuff while you are
waiting for a "good" modula II or native mode C or whatever.

In answer to another of your questions, the latest Club Mac News has an ad
for MacASM, a "co-resident Editor/MacroAssembler for the Macintosh."
Introductory price $100 from Mainstream, 28611B Canwood St., Agoura Hills CA
91301. Tel (818) 991-6540. I have no idea how well the fact corresponds to
the copy.

More generally, there is simply no way to make effective use of the Mac
AS A PROGRAMMER without the Inside Macintosh documentation. In for a penny,
in for a pound: for $150 you get Inside Macintosh, or you can wait for the
hardcover book (probably next Spring) for somewhat less money. For another
$100 you get the LISA WorkShop (WS) Supplement, which is the only way to

get the updates to the above AND they will throw in a copy of the hardcover
when published. They have had some REAL problems getting this stuff out
the door, but there is NOWHERE else to get the data.

The WS supplement, by the way, is not entirely useless: you also get 8
disks or so, 3 of which are readable by the Mac. I have no Lisa, but the
three disks I can read have lots of useful tools on them.

Let's see, so far I have told you how to spend $600 while you wait for the
right language processor. Sounds like enough for now. But if you are
serious, get Inside Macintosh FIRST.

=Ned=

From -7708042983053453409
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 20:33:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/17/84; site hao.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop - (nf)
Message-ID: <1203@hao.UUCP>
Date: Wed, 10-Oct-84 23:33:10 EDT
Article-I.D.: hao.1203
Posted: Wed Oct 10 23:33:10 1984
Date-Received: Fri, 12-Oct-84 05:43:18 EDT
References: <4431@fortune.UUCP> <1839@uw-june>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 17

> I swear, this "insanely great" printer has been causing an incredible amount
> of discussion for an unannounced product (see fa.laser-lovers for occasional
> hints, for example). Anyone have any news about when and how Apple actually
> plans to announce it?
>
>   --Rick

Next Month.

With Apple it's always next month.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -3951952151986277059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d5c2c98ed9507d1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-10 23:50:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-gr.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!utah-cs!utah-gr!thomas
From: thomas@utah-gr.UUCP (Spencer W. Thomas)
Newsgroups: net.micro.apple
Subject: Re: Mac printer scoop
Message-ID: <1202@utah-gr.UUCP>
Date: Thu, 11-Oct-84 02:50:53 EDT
Article-I.D.: utah-gr.1202
Posted: Thu Oct 11 02:50:53 1984
Date-Received: Fri, 12-Oct-84 05:48:50 EDT
References: <-220000@fortune.UUCP> <12500013@acf4.UUCP>
Reply-To: thomas@utah-gr.UUCP (Spencer W. Thomas)
Organization: Univ of Utah CS Dept
Lines: 16
Summary:

In article <12500013@acf4.UUCP> spector@acf4.UUCP writes:
>
>In a conference on compuserve, Bill Atkinson mentioned that the laser printer
>would go for under $3000 ...

It's hard to argue with Bill Atkinson, and I would really love to see it
at that price, but the figure I've heard is almost twice that. I'm
trying to stay out of this, since I've seen the printer docs (ND
agreement), but can confirm that this printer is really truly going to
be better than any other currently available laser printer (that I know
of). It's not clear (to me) that the MAC is powerful enough to take
advantage of all its features.

The announcement date sounds about right.

=S

From -3894414639373372859
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7460bac3adeefa91,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-10-11 09:41:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site vice.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!tektronix!tekchips!vice!mike
From: mike@vice.UUCP (Mike Mueller)
Newsgroups: net.micro.apple
Subject: AE Pro Assistance needed
Message-ID: <47@vice.UUCP>

Date: Thu, 11-Oct-84 12:41:43 EDT
Article-I.D.: vice.47
Posted: Thu Oct 11 12:41:43 1984
Date-Received: Sat, 13-Oct-84 04:44:37 EDT
Organization: Tektronix, Beaverton OR
Lines: 23

Does anyone know how to get AE Pro to talk to Unix in an intelligent
fashion? I can connect, but the vt52 emulation seems to be out-to-lunch.
Vi doesn't work correctly and I can't even clear the screen properly.

I assume from all the positive reviews on the net that I am doing something
wrong. If so, I refuse to be defensive even if I'm missing something obvious.

Help please! It seems like someone should have solved this problem before.

By the way, does anyone know how to get Apple CP/M files back and forth from
DOS?

--

         Mike Mueller

uucp: {decvax,harpo,ihnss,pur-ee,ucbvax,unc,zehntel}!teklabs!vice!mike
ARPA: vice!mike.tek@Rand-Relay
CSnet: vice!mike@tek
US Mail: Mike Mueller, Tektronix, Inc.
         Box 500 MS 59-323, Beaverton OR 97077
Phone: (503)627-3187

From -7722998713369749668
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5c2938935483d312,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5c2938935483d312,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-29 21:28:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!zehntel!dual!proper!
dsmith
From: dsmith@proper.UUCP (David Smith)
Newsgroups: net.micro,net.micro.apple
Subject: C Compilers for II
Message-ID: <1533@proper.UUCP>
Date: Thu, 30-Aug-84 00:28:49 EDT
Article-I.D.: proper.1533
Posted: Thu Aug 30 00:28:49 1984
Date-Received: Wed, 29-Aug-84 00:44:42 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 9

{This is a test of the emergency line eater system. This is only a test}

I'm working on getting an Apple IIe (Real Soon Now) and I would like to get a C compiler for it. I'd like to know what the various opinions on the C compilers are. Please mail to me and I will summarize to the net in a couple of weeks.

Thanks in advance,
David Smith @ Proper Unix

From -1144984127907581979
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c6866bee3909a002
X-Google-Attributes: gid15f443,public
X-Google-Thread: 159752,c6866bee3909a002
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,c6866bee3909a002
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-30 06:34:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site wnuxb.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!hw3b!wnuxb!djmolny
From: djmolny@wnuxb.UUCP (DJ Molny)
Newsgroups: net.micro.apple,net.wanted,net.sources
Subject: Re: Wanted: Help on SUMMACC
Message-ID: <234@wnuxb.UUCP>
Date: Thu, 30-Aug-84 09:34:16 EDT
Article-I.D.: wnuxb.234
Posted: Thu Aug 30 09:34:16 1984
Date-Received: Fri, 31-Aug-84 02:47:31 EDT
References: <818@abnjh.UUCP>
Organization: AT&T - Computer Systems Division
Lines: 13

The SUMacC sources have not been posted to the net because of their size (megabytes, I believe). Also they run on 4.2BSD, and depend on an existing (unpublished?) 68000 C compiler.

Could some brave USENET make SUMacC sources available for uucp? I am more than willing to port SUMacC to System V, and can repost the results. Any takers?

Regards,
DJ Molny
ihnp4!wnuxa!djmolny
(312) 810-6144

From -655880125874338108
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 15f443,c6866bee3909a002
X-Google-Attributes: gid15f443,public
X-Google-Thread: 159752,c6866bee3909a002
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,c6866bee3909a002
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-31 02:28:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!uw-june!furuta
From: furuta@uw-june.UUCP
Newsgroups: net.micro.apple,net.wanted,net.sources
Subject: Re: Wanted: Help on SUMMACC
Message-ID: <1754@uw-june>
Date: Fri, 31-Aug-84 05:28:48 EDT
Article-I.D.: uw-june.1754
Posted: Fri Aug 31 05:28:48 1984
Date-Received: Sat, 1-Sep-84 12:19:49 EDT
References: <234@wnuxb.UUCP>
Organization: U of Washington Computer Science
Lines: 12

The 68000 C compiler used in SUMacC is based on PCC and hence comes under
the AT&T license. That's another good reason why it hasn't been posted.

Also, it's still officially "beta test". True there haven't been any bug
fixes lately but there have been enhancements to the rmaker quite recently.

I know that plans are afoot to make the environment more available once it
leaves "beta" status. In other words, based on a conversation I had down
at Stanford two weeks ago, it is clear that a mechanism is being set up for
its distribution.

                        --Rick

From -1706315019670654986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9b331be0ab4a91fa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-31 05:49:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wlbr.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!trwrb!scgvaxd!wlbr!dcm
From: dcm@wlbr.UUCP (Dave Miller)
Newsgroups: net.micro.apple
Subject: Re: C Compiler for Macintosh
Message-ID: <206@wlbr.UUCP>
Date: Fri, 31-Aug-84 08:49:23 EDT
Article-I.D.: wlbr.206
Posted: Fri Aug 31 08:49:23 1984

Date-Received: Mon, 3-Sep-84 11:09:59 EDT
References: ecsvax.3144 ihuxa.609, <3145@ecsvax.UUCP>
Organization: Eaton IMS, Westlake Village, CA
Lines: 17

(-: Sacrificial offering to the voracious line chomper :*)

>I have just finished talking to the people at Stanford (SUMEX) about the
>CC68 and associated include files. They have informed me that the software
>is public domain and generally available on ARPA. However, I do not have
>access to an ARPA site and was wondering if someone on USENET had already
>received the software, and if so would mind sending a copy to ecsvax.

Could some one also send a copy to {ihnp4,trwrb,vortex,scgvaxd}!wlbr!dcm

Thanks in Advance

Submitted for your approval
And if you don't, you can just go run VMeSs
David C Miller

From -3196359902774054964
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b9d33afa0175abd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-31 07:03:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!winkler@HARVARD.ARPA
From: winkler@HARVARD.ARPA
Newsgroups: net.micro.apple
Subject: Re: Calendar.dl sources posted to net.sources
Message-ID: <13032@sri-arpa.UUCP>
Date: Fri, 31-Aug-84 10:03:54 EDT
Article-I.D.: sri-arpa.13032
Posted: Fri Aug 31 10:03:54 1984
Date-Received: Mon, 3-Sep-84 11:16:47 EDT
Lines: 9

From: Dan Winkler <winkler@HARVARD.ARPA>

> ... access to a 4.2 machine running SUMacC....

SUMacC also runs under 4.1 bsd.

On another subject, maybe it would be better to post SUMacC code in
uuencode format rather than tohex format. Uuencode does not expand
the file as much.

From -1799178183443877487
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a9f2b2d87968b410,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-31 09:10:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!"SchellSteph"@LLL-MFE.ARPA
From: "SchellSteph"@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Zork I question
Message-ID: <13040@sri-arpa.UUCP>
Date: Fri, 31-Aug-84 12:10:00 EDT
Article-I.D.: sri-arpa.13040
Posted: Fri Aug 31 12:10:00 1984
Date-Received: Mon, 3-Sep-84 11:19:11 EDT
Lines: 19

Hello, netland!
I'm stuck in Zork I for the Apple][+. I have 298 points. There
are several things I have not been able to figure out:

egg: to get the small-clockwork bird out of the egg, I think you have to give it to the thief, come back later, and get the egg back from him (by killing him?). When I kill him, it says,"His booty remains," but there is no booty -- in fact, the program does not know the word booty. Is there a thief's hideout I have not found?

grate: Evidently, the lock to the grate is on the underside. The skeleton key ought to unlock the grate, but from where?

timber: Use?

Thanks in advance,
Stephan Schell
schell@mfe

From 538251844576517323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9b331be0ab4a91fa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-01 16:47:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 8/28/84; site plus5.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!plus5!max
From: max@plus5.UUCP (R. Max Mutrux)
Newsgroups: net.micro.apple
Subject: Re: Re: C Compiler for Macintosh
Message-ID: <422@plus5.UUCP>
Date: Sat, 1-Sep-84 19:47:54 EDT
Article-I.D.: plus5.422

Posted: Sat Sep 1 19:47:54 1984
Date-Received: Mon, 3-Sep-84 10:07:06 EDT
References: ihuxa.609 <3144@ecsvax.UUCP>
Organization: Plus Five Computer Services, St. Louis
Lines: 11

[]

I would also be interested in any SUMEX infomation. Maybe someone would
reply to the net about this so all of use could take a look.

                        Thanks

--
          (char)Max_Mutrux   ..ihnp4!plus5!max
                        Saint Louis, Mo.

From -4706153959845514315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,46f87f2c221129be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-02 00:48:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: sumacc.ms
Message-ID: <429@oddjob.UChicago.UUCP>
Date: Sun, 2-Sep-84 03:48:08 EDT
Article-I.D.: oddjob.429
Posted: Sun Sep 2 03:48:08 1984
Date-Received: Mon, 3-Sep-84 10:47:09 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 518

Here is the sumacc documentation. I hope this does not turn my
mail into net.flame

Sean Casey   ...ihnp4!oddjob!sean

----------------------(cut here)-------------------------------
.na
.TL
SUMEX MacC UNIX Development Kit
.AU
Bill Croft
.AI
Stanford University
Medical Center
SUMEX Project, rm TB105

Stanford, CA 94305
.NH
Introduction
.PP
This 'short' note describes the current state of our UNIX/C development
environment for the Macintosh,
.I SUMacC
("some-max"). At present the
release must still be considered in a beta test stage. Although
all the test programs we have tried so far operate correctly,
there are no doubt some minor bugs still lurking in there somewhere.
.PP
We are distributing this package under the condition that it may
be "used" but not "sold" without our permission.
Any fixes or enhancements made to the package should be reported
back to us, for incorporation into future releases.
While we will attempt to fix bugs and provide new features, no
warrantee is expressed or implied. You are basically on your own.
.PP
Since this is a beta release, and since we are not equipped to
duplicate massive amounts of tapes and disks, we are limiting
distribution to those who can use the Arpanet to FTP a copy from our
SUMEX-AIM host, or from another nearby host on the Arpanet.
To facilitate this, we ask that anyone picking up a copy be willing
to act as a redistribution point. Send a note to
.I croft@sumex
giving the pathname and anonymous FTP login to retrieve a copy from
your host. I will post a note to
.I info-mac
a few days after
release summarizing where folks can pickup a copy.
.NH
Prerequisites
.PP
The package is currently only setup for a VAX running 4.1 or 4.2 BSD
UNIX. It should be convertable to any other UNIX box having
a 68000 C compiler.
.PP
We assume you have some release of the Apple
.I MacTerminal
program.
This is used to download a printable hex file from the VAX
to your Mac disk.
.PP
Since we don't have the resources to duplicate Sony disks for
everyone outside the Stanford community,
we also assume you have access to a Lisa (Mac Workshop) development
system. This is used, one time only, to put a program on your
Mac disk (called
.I fromhex
) that takes the printable hex output
from MacTerminal, and turns it into binary resource file (fork).
Below in the

.B Downloading
section, we discuss possible
alternatives.
In any case, it's simply handy to have at least one Lisa system
available occasionally, since this is how new software is
released from Apple.
.NH
Contents of the Kit
.PP
The following directories/files are in the distribution:
.IP sumacc.ms 12
This file, in \-ms macro format.
.IP Makefile
Master makefile that calls Makefile's in subdirectories.
.IP cc42
C compiler binaries for 4.2 BSD.
.IP cc41
C compiler binaries for 4.1 BSD.
.IP ccsrc
C compiler source (if provided).
.IP h
Macintosh header files, copied to /usr/include/mac.
.IP lib
Macintosh library files.
.IP cmd
Resource maker and other Macintosh related commands.
.IP test
Some Macintosh C test programs.
.IP man
Manual pages.
.IP ws
Reference copy of most of the sources distributed with the Lisa Workshop.
.NH
Installation
.PP
The makefiles included have been conditionalized so that you can
change where the files reside after installation.
At Stanford for historical/political reasons
the binaries are in
.I /usr/stanford/bin,
the library stuff goes in
.I /usr/sun/lib,
and the include files are kept in
.I /usr/include/mac,
or
.I /usr/stanford/include/mac.
If you change where things are located, you will have to: (1) edit
the master Makefile and/or the sub-Makefiles to change the installation
directory names. (2) Edit
.I cmd/cc68.c,
the C compiler driver so that
it can find the assembler/loader/etc.
This is easy to change for

.I /usr/stanford/bin,
but since the
.I ld68
and
.I as68
binaries provided have
.I /usr/sun/lib
wired in, you may want to leave that one alone.
Use
.I mkdir
to make these directories if they don't already exist.
Another possibility to change the file locations is to use the
symbolic link facility on 4.2 to (e.g.)
.I
link -s /usr/local /usr/stanford/bin.
.R
.PP
If your VAX doesn't already have
the 68000 compiler installed,
.I cd
to
.I cc42
or
.I cc41
and type
.I make.
This will install all the compiler binaries (except cc68).
.PP
.I "4.1 BSD:"
If you are running 4.1, edit cmd/cc68.c to remove the '#define BSD42' line.
Also edit lib/Makefile so that the lint library is constructed with 'mk41lint';
(4.1 lint doesnt understand the '\-C' switch.)
.PP
Now from the main directory, do a
.I make.
This will compile and install the commands, Mac library,
Mac lint library,
include files, manual pages, and test programs.
.PP
If you don't already have a
.I SUMACC
Sony disk with
.I MacTerminal
and
.I fromhex,
then you need to make one.
On a Lisa Mac Workshop system, use the
.I terminal
program to download the file
.I cmd/fromhex.p
from the VAX to the Lisa. The filename on the Lisa will
be something like
.I example/fromhex.text.

Then using the generic exec script on the Lisa, compile this Pascal
program and put the resulting binary on a Mac disk along with
MacTerminal.
.PP
At SUMEX our SUMACC disks also contain the
.I
Resource Mover, Set File, Examine File, MacsBug, Disassembler,
.R
and
.I Disk
.I Copy
utilities. These are useful utilities supplied on the
.I MacMaster
disks that come with the Workshop.
.PP
You should now be able to follow the instructions under
.B Downloading
below to try out some of the programs in the VAX
.I test
directory.
.NH
Test Programs
.PP
The C test programs provided are:
.IP MacScrawl 2
A primitive text/drawing program that was used to test out
the Quickdraw and Event Manager routines. Its commands are
single keyboard characters; examine the source code before
trying to use it. Try the 'm'agnifying lens to zoom in and out
on sections of the screen and/or the lens itself. In one-to-one mode
there is some interesting stuff going on at the bottom of screen memory.
.IP Grow
This is a straight translation of the Pascal Grow program provided
in the Workshop. Windows, events, menus, TextEdit, and
desk accessories are all exercised.
As an exercise, you might runoff a listing of grow.c and grow.p.ws
(in the same directory) to compare how the Pascal was translated to C.
.I
Note a bug:
.R
both the Pascal
and the C version apparently do not save TextEdit state when the
Notepad desk accessory is in use, resulting in weird behavior
with that accessory.
.IP Insane
This tests the SANE IEEE 80 bit floating point package and
numeric conversion. Floating operations seem to average
about 1 millisecond (well you can't say it isn't accurate...).
.NH
Typical Compilation Cycle
.PP
Examine the Makefile and *.rc (resource compiler input)
files in the test directory.

The makefile typically looks something like:
.DS
.I
cc68 \-m grow.c
rmaker grow.rc
tohex <grow.rsrc >grow.dl
.R
.DE
.PP
Cc68 compiles, assembles, and loads the C program onto a file
called
.I b.out.
Next the resource maker (sometimes called the resource compiler)
reads the file grow.rc.
This file directs rmaker to read the binary b.out and combine it
with some hex icon information in grow.rc. The resulting
output, which would be directly executable on the Mac, is
left in the file grow.rsrc. (rsrc stands for 'resource', and
is the same suffix convention that is used on the Lisa).
.PP
Finally, since the current download scheme uses
MacTerminal, which only understands printable characters,
the trivial program
.I tohex
converts this binary info into hex nibbles that MacTerminal
can handle. It also adds a checksum for security.
The resulting grow.dl (for 'download') file is then
downloaded to the Mac using MacTerminal, and reconverted to
binary, using fromhex.
.PP
From time to time, you will also want to
.I lint
your sources to ensure proper matching of argument and data
types. For example:
.I
lint grow.c -lmac
.R
.NH
Current State of Downloading
.PP
After obtaining a download file (e.g. grow.dl) from the compilation
cycle, you download it as follows:
.IP [1] 4
Launch MacTerminal. When it comes up, type
.I
cat grow.dl.
.R
The file will scroll by on the screen and at the same time MacTerminal
will be saving the 'lines off the top' into a file.
If you were previously using MacTerminal before the downloading
step, then you will want to select the
.I
clear lines off top

.R
menu command before catting the file. Alternately you could
turn on the
.I
File Transfer / Remember Lines off Top
.R
mode just before the cat.
Personally, I use another terminal for my VAX work and I throw
an RS232 switch just before I invoke MacTerminal and cat the file.
.IP [2]
With early versions of MacTerminal, the output file is called
.I TermCache.
The latest version of MacTerminal places this output into the data
fork of your MacTerminal configuration file. For example
if my configuration file is called 'C', the baud rate settings and
so forth are held in the resource fork of C, while the 'scroll-off'
is placed in the data fork of C.
.IP [3]
After the cat is complete, hit a few more CRs, to ensure that
the lines are 'scrolled off the top' and thus saved. (There's
a shell file in
.I test/mcat
to do this if you're lazy).
Then exit MacTerminal.
.IP [4]
The fromhex program takes its input from a file called 'C' and
places the output on 'C prog'. If the output from MacTerminal
is not already named 'C', select it with the mouse and type 'c'.
This will change the name (case is not important).
Now launch 'fromhex'. If all works correctly it will read 'C'
and create an executable 'C prog'. If the checksum fails
(very rare), it will beep at you, which tells you to try
the transfer over again with MacTerminal.
.IP [5]
Finally (phew!) you can launch 'C prog' and it will execute.
Rename 'C prog' to something else if you want to keep it around
and run fromhex some more.
If your program uses a special icon (as do the samples provided),
a strange feature of the 'finder' requires that the 'bundle'
bit be set at least once on one of these binaries. You
can use the 'Set File' program for this. After finder
caches the icon in it's 'DeskTop', further bundle bits are
not needed.
.NH
Future State of Downloading
.PP
Needless to say, the above sequence is less than speedy.
Here are some other possibilities:
.PP
The next version of MacTerminal will have a working Modem7
file transfer mode. I have heard that there are UNIX versions
of this floating around (where?) Martin Haeberli also tells
me that this new version will recognize special 'control codes'

in the data stream, if in 'Macintosh' mode. These codes allow
the data stream to be directed to either the data or resource
fork of the destination Mac file. Thus the UNIX modem7 could
have a switch for directly transfering the *.rsrc file into
a resource file on the Mac. 'tohex' and 'fromhex' could
be tossed.
.PP
Martin says that modem7 and MacTerminal are somewhat inextricably
bound, thus putting another protocol (such as Kermit) into
MacTerminal would not be easy. However, what about this:
the C version of Kermit already exists and with a moderate
amount of effort, a dumb terminal emulator could be added to
it. This would give us our own terminal emulator to
customize to death, and allow Kermit access (which seems
to be more common in Arpa land). Any volunteers?
.PP
When we get our act together here at SUMEX we plan to
start working in ernest on our MacEther file server.
In this case you would simply click open the server disk
icon and launch the program. Current SUMEX priorities
are preventing me from continuing work on this at the moment.
.NH
Toolbox Programming
.NH 2
Argument Passing
.PP
When using
.I
Inside Macintosh
.R
to program in C, you must do a mental translation of the
Pascal calling conventions into corresponding C conventions.
They are really quite straightforward and even if you goof
up, lint will warn you.
Take a look at the sample programs to get the hang of it.
Remember that a Pascal VAR, means a variable passed by
reference (address).
Here are the conventions:
.PP
When passing a structure or string, pass its address.
Pointers or handles are passed the same as in C (by value).
If Pascal expects a VAR, pass its address (if it's
a structure or string, you've already
converted that to an address (rule above)).
.PP
SUMACC also does automatic translation for 'integer'
and 'string' formats during Toolbox calls. The default
integer in Pascal is a short, while C assumes it is a long.
Pascal strings are not null terminated and instead begin
with a byte count.
Some further implications of this mechanism for strings
are discussed in a section below.
.NH 2

Handle Dereferencing
.DS
The Pascal notation
.I
hTE^^.viewRect := pRect;
.R
is translated as
.I
(*hTE)->viewRect = pRect;
.R
.DE
.NH 2
Pascal Bird-Nest Soup
.PP
Compare test/grow.c with test/grow.p.ws. Notice how the C version
can use many less nesting levels than Pascal by proper use of
.I
break, continue,
.R
and
.I return
statements. (In my opinion) this greatly improves the readability
and understanding of C programs.
C programs also allow much easier setup of initialized global
data and strings. Part of the reason 'resources' are so
common in the Pascal example programs, is that they allow
an 'easy' way for Pascal programs to access initialized data.
Of course this must be tempered with the fact that these resources
must be named and numbered in another file and introduce another
level of indirection in understanding a program listing.
The plus side to resources is that they allow easy language
translation of your program, but how many of the programs you
write will have that wide a distribution? If source is available
you could achieve a similar affect by placing your language
dependent strings in an ifdef'ed section or include file.
.NH 2
String Utilities
.PP
Normally on Toolbox calls, the routine
.I mactrap.s
converts automatically
between the C string convention
and the Pascal strings expected. This occurs both
on passing the argument via the function call, and on string
VARs returned.
Thus in 99% of the cases you need do nothing special for strings.
However occasionally a Pascal string is embedded in a Toolbox
structure or a something similar.
In such cases there are these functions to help out (see test/grow.c
for an example call and lib/strconv.s for more detailed info):
.IP c2pstr 8
This converts a C to Pascal string in-place by shifting the C string
down one position and inserting a byte count at the beginning.

.IP p2cstr
This is the converse operation of converting a Pascal to a C string;
the byte count is removed and a trailing zero byte added.
.IP isapstr
This is a function; it simply negates its argument, which is
a string pointer. If passed to a toolbox routine that expects
a string, this negative pointer will override the default
C to Pascal string conversion. In effect the function states 'this
argument is-a Pascal string'.
.NH 2
Heap vs. C Bss
.PP
Uninitialized globals in C are placed in an area called 'bss'.
In the current implementation, bss is reserved by appending
that amount of trailing zero bytes to the CODE resource.
(The Mac segment loader has no convenient mapping for
a bss notion contiguous to text/data; sorry).
Thus you can use uninitialized globals as normal, but if you
have any truly large structures (over a few hundred bytes), you
should call the Toolbox routines
.I NewPtr
or
.I NewHandle
to get piece of the heap,
and place the pointer or handle to that area in a global variable
instead. This is actually a common C coding practice on
UNIX, using the
.I malloc
routine there.
.NH 2
Pascal Toolbox Calling on C Routines
.PP
Yes this does happen (rarely). For an example see test/grow.c in the
routines ScrollUp, ScrollDown. Basically your C function must
call an assembly helper (getpargs) to fetch the Pascal arguments.
.NH 2
Floating Point
.PP
See test/insane.c for examples of SANE usage. However you may
be better off with the fixed point arithmetic provided by
.I
FixRatio, FixMul, FixRound
.R
discussed in the Toolbox Utilities
section of Inside Mac.
.PP
The MIT C compiler we are using also has its own built-in
floating point formats and library routines (in libc.a),
but we have no experience with these.
They are certainly not the IEEE standard.
.NH
Compiler Sources
.PP

The normal distribution contains only sources for the code we
have written here at SUMEX. Since the compiler is based on
the Bell Labs (Johnson) Portable C Compiler, we must be careful
about distributing copies of this.
It's also unclear to me what good the compiler/assembler/loader
will do for you, since it's a large and somewhat crufty
amount of code.
As an interim policy we
will make these sources available to other Universities if there
is enough interest.
However don't ask unless you plan some active
development in this area.
.NH
Currently Unimplemented
.PP
Overlays; MacPrint interface and linkage; Graf3D (but see
lib/TODO for a hint on how to convert this).
.NH
Freeware
.PP
If you think sharing stuff like this is a good idea, then I
encourage you to make your own projects available to the
info-mac community. Post a note to info-mac and tell folks
how to FTP the program from your site; alternately SUMEX
would be glad to archive your programs for FTPing in our
info-mac directory.

From 280520419693494233
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159752,c6866bee3909a002
X-Google-Attributes: gid159752,public
X-Google-Thread: 15f443,c6866bee3909a002
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,c6866bee3909a002
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-04 04:40:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site log-hb.UUCP
Path: utzoo!linus!philabs!mcvax!enea!log-hb!hans
From: hans@log-hb.UUCP (Hans Albertsson)
Newsgroups: net.micro.apple,net.wanted,net.sources
Subject: Re: Wanted: Help on SUMMACC
Message-ID: <195@log-hb.UUCP>
Date: Tue, 4-Sep-84 07:40:23 EDT
Article-I.D.: log-hb.195
Posted: Tue Sep 4 07:40:23 1984
Date-Received: Sun, 16-Sep-84 08:08:14 EDT
References: <818@abnjh.UUCP>
Organization: TeleLOGIC Nyn{shamn SWEDEN
Lines: 10

[]

SUMMAC has to be the Stanford Univ. Mighty MACkintosh C Compiler?
Needless to say, we are interested in getting it. HOW?
--

{decvax,philabs}!mcvax!enea!log-hb!hans
Hans Albertsson,
TeleLOGIC AB
Box 1001,
S-14901 Nynashamn,
SWEDEN

From 8093923936808795756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,59bcef6c06128d1c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-04 07:29:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!"SchellSteph"@LLL-MFE.ARPA
From: "SchellSteph"@LLL-MFE.ARPA
Newsgroups: net.micro.apple
Subject: Zork II
Message-ID: <13126@sri-arpa.UUCP>
Date: Tue, 4-Sep-84 10:29:00 EDT
Article-I.D.: sri-arpa.13126
Posted: Tue Sep 4 10:29:00 1984
Date-Received: Fri, 14-Sep-84 07:49:33 EDT
Lines: 9

This question is for a friend (I have not quite finished I yet (sigh)).
In Zork II, how do you get past the dog ?
If the answer is that the demon somehow removes the dog, how do you
move the menhir ?

Thanks in advance,
Stephan Schell
schell@mfe

From 7781432748609739210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d013e1290828cd7a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-04 19:43:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!inuxd!pfautz
From: pfautz@inuxd.UUCP (P Pfautz)
Newsgroups: net.micro.apple
Subject: flight simulators for mac
Message-ID: <613@inuxd.UUCP>
Date: Tue, 4-Sep-84 22:43:27 EDT

Article-I.D.: inuxd.613
Posted: Tue Sep 4 22:43:27 1984
Date-Received: Thu, 6-Sep-84 04:01:10 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 4

Does anyone know if a decent flight simulator package is available
for the Mac? If so, could you please mail me info on from whence
it may be obtained. Thanks.

From -530501294940294168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8669817b67a20f14,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-05 13:37:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadla.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!tektronix!teklds!
dadla!dcall
From: dcall@dadla.UUCP
Newsgroups: net.micro.apple
Subject: Apple II+ hard disks???
Message-ID: <106@dadla.UUCP>
Date: Wed, 5-Sep-84 16:37:35 EDT
Article-I.D.: dadla.106
Posted: Wed Sep 5 16:37:35 1984
Date-Received: Sat, 15-Sep-84 07:58:57 EDT
Organization: Tektronix, Beaverton OR
Lines: 10

Does anyone still make hard disk subsystems for Apple II+ computers?
I have an Apple with CP/M and Pascal, and need a hard disk (too many
floppies!) for storage (10Mb). I would appreciate any pointers or
references - please mail them to me via the net (I LOVE mail). If
there is sufficient interest I'll summarize to the net. Many thanks!

Dale Call
Tektronix, Inc.
P.O. Box 4600, MS 92-716
Beaverton, OR 97075

From 6592182674209487438
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b47f2481819c68e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-06 05:52:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!bunker!chuck
From: chuck@bunker.UUCP (Chuck Heaton)
Newsgroups: net.micro.apple
Subject: mail_to_Don_Foree

Message-ID: <517@bunker.UUCP>
Date: Thu, 6-Sep-84 08:52:41 EDT
Article-I.D.: bunker.517
Posted: Thu Sep 6 08:52:41 1984
Date-Received: Sat, 15-Sep-84 07:12:48 EDT
Lines: 39

Hi.

     Sorry for posting this to the net. I tried to mail it, but got
the unhappy return below.
     I am posting this in the hopes that Don Foree will see it.
Thanks.

>From decvax!bunker!MAILER-DAEMON Wed Sep 5 20:14:21 1984
Return-Path: <decvax!bunker!MAILER-DAEMON>
Received: by decvax.UUCP (4.12/1.0)
     id AA13379; Wed, 5 Sep 84 14:56:30 edt
Date: Wed, 5 Sep 84 14:56:30 edt
Message-Id: <8409051856.AA13379@decvax.UUCP>
To: decvax!bunker!chuck
Subject: Unable to deliver mail

   ----- Transcript of session follows -----

   ----- Unsent message follows -----
Return-Path: <decvax!bunker!chuck>
Received: by decvax.UUCP (4.12/1.0)
     id AA11625; Wed, 5 Sep 84 13:42:41 edt
Date: Wed, 5 Sep 84 13:42:41 edt
Message-Id: <8409051742.AA11625@decvax.UUCP>
To: decvax!mcnc!bunker!chuck@ecsvax, decvax!mcnc!eeee%ecsvax
Subject: Re: bunker.501: Hires.again (response to Don Foree)

Hi.

     Thanks! Yes, I sure do need this information. I would greatly
appreciate it if you could either send it or mail it. I believe that
this is of general enough interest to post to the net.

     Thanks again. I will be waiting anxiously.

From -2770616598659621101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,185234c366749067,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-06 20:49:00 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!dan@sri-tsc.ARPA
From: dan@sri-tsc.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple II+ hard disks???
Message-ID: <13218@sri-arpa.UUCP>
Date: Thu, 6-Sep-84 23:49:00 EDT
Article-I.D.: sri-arpa.13218
Posted: Thu Sep 6 23:49:00 1984
Date-Received: Thu, 13-Sep-84 07:11:43 EDT
Lines: 12

From: Dan Chernikoff <dan@sri-tsc.ARPA>

I believe that Corvus is still making 10 and 20 Meg hard disks. IN fact
they have this funky system called a "Constellation II" that allows you
to hook up a 20 Meg corvus to BOTH an Apple II and an IBM PC at the SAME TIME.
Pretty bizarre. Unfortunatly I don't have their address, but they are
a local (Silicon Valley) company -- probably Mountain View CA.

Good Luck!

     -Dan Chernikoff
     dan@sri-tsc

From -2868349715005856482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c90cd37534e01384,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,c90cd37534e01384,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c90cd37534e01384,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 06:41:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC830713); site uva.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!mcvax!uva!dolf
From: dolf@uva.UUCP (Dolf Starreveld)
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Macintosh development environments
Message-ID: <138@uva.UUCP>
Date: Fri, 7-Sep-84 09:41:39 EDT
Article-I.D.: uva.138
Posted: Fri Sep 7 09:41:39 1984
Date-Received: Fri, 14-Sep-84 08:37:32 EDT
Organization: Comp. Science Dept., University of Amsterdam
Lines: 34

[Something to eat]

To whom it may concern,

We at the University of Amsterdam our doing some development for the
Apple Macintosh computer, but are currently using a combination with a
Lisa to do that.
From what we have read in the news it is clear that there are other
possibilities such as the SUMACC c-compiler.

We would be interested in reactions from all those people who are
using any other means than the Mac-Lisa combination for development.

Please mail me what systems (hardware/software) you are using, what it
costed (approx.) and if possible also mention any addresses we can use
to get more info. Especially the contact address at Stanford is
needed, since we would like to contact them.

When addresses are given please give both electronic mail addresses as
well as the addresses for conventional mail.

After we have filtered all incoming info, I will summarize to the
net.

Dolf Starreveld
Computer Science Department
University of Amsterdam
The Netherlands

{philabs, decvax}!mcvax!uva!dolf

From 232020356613524282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,640bec682d75ee1e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 10:35:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Aztec C for ProDOS
Message-ID: <4462@brl-tgr.ARPA>
Date: Fri, 7-Sep-84 13:35:01 EDT
Article-I.D.: brl-tgr.4462
Posted: Fri Sep 7 13:35:01 1984
Date-Received: Fri, 14-Sep-84 05:45:57 EDT
References: <13127@sri-arpa.UUCP>
Organization: Ballistics Research Lab

Lines: 3

If everyone with an Apple II would call Manx and ask about the
ProDOS version of Aztec C, I bet they would start work on it
a lot sooner!

From -3678477501791062613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,302411f550122f56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 12:19:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihnet.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihnet!eklhad
From: eklhad@ihnet.UUCP (K. A. Dahlke)
Newsgroups: net.micro.apple
Subject: Any DAC/ADC on apple cards??
Message-ID: <160@ihnet.UUCP>
Date: Fri, 7-Sep-84 15:19:41 EDT
Article-I.D.: ihnet.160
Posted: Fri Sep 7 15:19:41 1984
Date-Received: Wed, 12-Sep-84 03:05:33 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 16

I have an Apple 2+, and I am interested in playing with sounds.
By playing, I mean at the lowest level.
What I want is a card, compatible with the 2[+EC] open architecture slots,
containing an ADC and a DAC.
I will supply any microphones/speakers/aux input,
provided the jacks are standard.
Let me clarify, I do not want music synthesizers, speech chips, etc.
I only want a raw ADC and DAC.
Is there an apple 2[+EC] card with these devices.
I know it would not be difficult to build one,
but I am not a hardware wizard.
Any leads appreciated.
Thanks in advance.
--

Karl Dahlke   ihnp4!ihnet!eklhad

From -6237151766971923380
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a6609e377b13e2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 12:47:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1g.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihu1g!jjsk
From: jjsk@ihu1g.UUCP (jim kent)

Newsgroups: net.micro.apple
Subject: Apple Super Serial Card
Message-ID: <507@ihu1g.UUCP>
Date: Fri, 7-Sep-84 15:47:19 EDT
Article-I.D.: ihu1g.507
Posted: Fri Sep 7 15:47:19 1984
Date-Received: Wed, 12-Sep-84 03:06:19 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 25

I have been running my Apple //e for a year with the Apple 80-col card, the

CCS7710 serial card, Hayes 1200 external modem. I use this equipment with
ASCII Express software.

The problem is that I had borrowed the the CCS7710 board. I bought the
Apple Super Serial card for this system and I am having problems
geting it to run. I configured the board to 1200 baud, communication
mode, no interupts, 8-bit ASCII 2 stop bit no parity. I also replaced
the null modem cable used with the CCS7710 board with a cable which provides
straight through connections. The board's jumper block is
configured for a modem.

I changed the comunication driver in the ASCII Express software to
the Super Serial Card.

When I use the system, the auto dialer outpulses, I get through to the
remote computer, but the screen prints garbage, the high speed light on
the modem is out and ASCII Express has switched to 300 baud.

Is any one out there using such a combination? If so I would like
some hints.

..ihnp4!ihu1g!jjsk   Thanks,
                        Jim Kent

From 1190039174384574889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,47bd7a2b9bb1c82e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 13:17:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site phs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!intelca!qantel!dual!amd!decwrl!decvax!mcnc!duke!phs!lisa
From: lisa@phs.UUCP (Jeff Gillette)
Newsgroups: net.micro.apple
Subject: Foreign languages on the mac???
Message-ID: <924@phs.UUCP>
Date: Fri, 7-Sep-84 16:17:14 EDT
Article-I.D.: phs.924
Posted: Fri Sep 7 16:17:14 1984

Date-Received: Fri, 14-Sep-84 04:18:28 EDT
Organization: Duke Physiology
Lines: 22

<This *is* my first attempt at the infamous net>

Anyone out there know anything about foreign languages on the pc,
mac, or other microcomputers? We in humanities at Duke want to do
word processing and data base work with documents in Greek, Latin,
Hebrew, Coptic, and several other esoteric languages.

Our inclination is to go with one of the "standard" machines and
write patches to handle the non-roman alphabets (I've already done
a lot of this for our Victor 9000s). If, however, someone already
has the software, and would make it available *reasonably*, it would
save a lot of time for me not to reinvent the wheel.

Thanks for the help!

In "real life" --

Jeff Gillette   USENET: duke!phs!lisa
The Divinity School
Duke University
Durham, NC 27706

From 8340801699892374026
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,99ef82d3cbc68fbd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-07 20:07:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Fromhex in Fromhex in net.sources
Message-ID: <1138@hao.UUCP>
Date: Fri, 7-Sep-84 23:07:05 EDT
Article-I.D.: hao.1138
Posted: Fri Sep 7 23:07:05 1984
Date-Received: Fri, 14-Sep-84 02:56:55 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 11

[]
A standalone Macintosh application Fromhex has been posted to
net.sources. Use the Forth or the Basic Fromhex to translate
it.

--

Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 4718394035860017340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6bdd6eb5e03fc922,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-08 09:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucdcsb.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!uiucdcsb!heuring
From: heuring@uiucdcsb.UUCP
Newsgroups: net.micro.apple
Subject: Modula 2 available? - (nf)
Message-ID: <4600007@uiucdcsb.UUCP>
Date: Sat, 8-Sep-84 12:41:00 EDT
Article-I.D.: uiucdcsb.4600007
Posted: Sat Sep 8 12:41:00 1984
Date-Received: Thu, 13-Sep-84 08:12:03 EDT
Lines: 11
Nf-ID: #N:uiucdcsb:4600007:000:233
Nf-From: uiucdcsb!heuring   Sep 8 11:41:00 1984

#N:uiucdcsb:4600007:000:233
uiucdcsb!heuring   Sep 8 11:41:00 1984

  Has anyone out there seen the Modula-2 compiler for the Macintosh
that is sold by Modula Corporation? At $90 it seems too good to be
true but Borland puts out some reasonable IBM software cheap.

Jerry Heuring
uiucdcs!heuring

From 9109790357445037 98
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,302411f550122f56
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-09 09:39:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucdcsb.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!uiucdcsb!thielges
From: thielges@uiucdcsb.UUCP
Newsgroups: net.micro.apple
Subject: Re: Any DAC/ADC on apple cards?? - (nf)
Message-ID: <4600008@uiucdcsb.UUCP>
Date: Sun, 9-Sep-84 12:39:00 EDT

Article-I.D.: uiucdcsb.4600008
Posted: Sun Sep 9 12:39:00 1984
Date-Received: Thu, 13-Sep-84 19:36:36 EDT
References: <160@ihnet.UUCP>
Lines: 12
Nf-ID: #R:ihnet:-16000:uiucdcsb:4600008:000:489
Nf-From: uiucdcsb!thielges   Sep 9 11:39:00 1984

#R:ihnet:-16000:uiucdcsb:4600008:000:489
uiucdcsb!thielges   Sep 9 11:39:00 1984

I bought a pair of John Bell Eng. adc/dac cards and a parallel port board
for about $150 in kit form. It is about the best system I have found for
the money. The ad/da's are 8 bits whivh provides enough resolution for
playing around with sounds (adc sample rate is 50 kHz)
     With those components, I have managed to make some digital echo
effects and a few other pretty interesting digital processing sounds.

Check a Byte Magazine for John Bell Engineering's address.
                        Bart Thielges

From 4585603495350004386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9720ea5fd8c074d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-09 10:25:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles - hp 1.2 08/01/83; site hp-pcd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hp-pcd!john
From: john@hp-pcd.UUCP (john)
Newsgroups: net.micro.apple
Subject: Re: //c modem problem
Message-ID: <20000002@hp-pcd.UUCP>
Date: Sun, 9-Sep-84 13:25:00 EDT
Article-I.D.: hp-pcd.20000002
Posted: Sun Sep 9 13:25:00 1984
Date-Received: Fri, 14-Sep-84 03:03:45 EDT
References: <13168@sri-arpa.UUCP>
Organization: Hewlett-Packard - Corvallis, OR
Lines: 10
Nf-ID: #R:sri-arpa:-1316800:hp-pcd:20000002:000:282
Nf-From: hp-pcd!john   Sep 7 09:25:00 1984

The Sept 17 issue of InfoWorld (pg 63) also has a note about this problem.
Someone found that the IIc will not work with either Hayes smartmodem or a
Anchor Signalman at 1200 baud.Maybe the FTC will make them start advertising
a 1165 Baud modem.

John Eaton

!hplabs!hp-pcd!john

From -6227158455116259648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e4731b1f212259bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-09 15:42:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!cmcl2!lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: ADD TO LIST
Message-ID: <1238@unm-cvax.UUCP>
Date: Sun, 9-Sep-84 18:42:23 EDT
Article-I.D.: unm-cvax.1238
Posted: Sun Sep 9 18:42:23 1984
Date-Received: Fri, 14-Sep-84 08:25:31 EDT
References: <13156@sri-arpa.UUCP>
Organization: Univ. of New Mexico, Albuquerque
Lines: 7

could I also be added to the list?

Send me mail . . . I   L O V E mail

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -2332918516381514789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9adc2bfed6e4d166,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9adc2bfed6e4d166,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-09 20:24:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!cmcl2!lanl-a!unm-cvax!nmtvax!djm
From: djm@nmtvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Manx C65 compiler responses
Message-ID: <493@nmtvax.UUCP>
Date: Sun, 9-Sep-84 23:24:01 EDT
Article-I.D.: nmtvax.493
Posted: Sun Sep 9 23:24:01 1984
Date-Received: Fri, 14-Sep-84 09:09:00 EDT

Organization: New Mexico Tech, Socorro, N.M.
Lines: 111

[Brrrzrip...eat that, bug! Oh, you want some mustard, too? Oh well.]

Here are the responses to date that I've gotten on my query about the Manx Aztec C compiler for the Apple. To those that sent me responses and didn't get a thank you note, it's due to some strangenesses in the local database on how to get from here to there. Please consider this a thank you.
     Dieter Muller

==========

From: Doug Gwyn (VLD/VMB) <unm-cvax!cmcl2!seismo!hao!hplabs!ucbvax!gwyn@Brl-Vld.ARPA>
The current Aztec C for the Apple II from Manx supports DOS 3.3, not ProDOS. The ProDOS version is held up by the Macintosh C project, which is scheduled for September delivery. Aztec C can be asked to generate either native 6502 machine code or interpreted code. The interpreted code tends to be smaller, the machine code faster. They can be mixed in the same program binary, so one can make appropriate space/time tradeoffs. There is also support for overlays, and a command language interpreter (mini-shell) that programs can be made to access for some library routines, to save space. The manual is pretty good (the only noteworthy omission is interpreted code specs), and the language and supplied library are a fairly full implementation of C. Sources are included for the library (except interpreter) and many of the utilities (screen editor, archiver, device drivers, but NOT compiler/assembler/loader/shell). My only real complaint is that I wish they would hurry up with the ProDOS version, as I am getting tired of compiling on DOS floppies then moving my binaries to the ProFile.

==========

From: unm-cvax!cmcl2!seismo!hao!hplabs!ucbvax!FRIEDMAN@RU-BLUE.ARPA

     The Manx C compiler compiles to either 6502 or M-code with a size vs speed tradeoff. It also contains assemblers for both 6502 and M-code. Currently the ProDos version is not available but it will be out "real soon now". The programs can be run under the Shell or standalone. If they are not run under the shell, the 80 column support becomes minimal. The shell replaces the comand processer of DOS (and maybe the file manager?) and comtains the command cp, cat and ls. It also contains IO redirections (cat test > pr:).
    It come on 6 disk. They contains the linker, compilers, assemblers, an editor (VED) which is bad but usable, libraries, and sources to the libraries (floating point and I/O, for 6502 and M-code, with and without the shell. 6 total.) and the editor in C.
    It can use standard DOS files and standard normal files (with high bit off and cr/lf at end of line). The shell requires STANDARD DOS so it will not even run with a Corvus hard drive.

The manual explains the interfacing to assembly language and adding device drivers so you can add your own functions etc.

-Gadi

==========

Aztec C (from Manx Software) for the Apple has all the features of C except for bit fields. Two versions of the compiler are included: a p-code version and a native code version. Both compilers are rather slow but produce fast code. Also included is a vi-like screen editor, libraries, a simple shell and a few tools. Source code (in C) for most of these is included. I am not too familiar with the CP/M version, but I think the compiler would be identical (except for funning faster on a z80).

Dave Newkirk, ihnp4!ihuxl!dcn

We use the DOS version of the MANX compiler on our Apples here at the Ergonomics Lab. The package comes with two compilers: a native code compiler and a pseudo-code compiler. The first sacrifices space for speed while the second generates less code but demands that an interpreter be present in memory. The license agreement allows the production of standalone binaries for sale without royalties to be paid to MANX.

The libraries conform to stdio, but there are a few routines added to ensure compatability with DOS's notion of what a newline is.
There is no graphics library (we had to write one ourselves).

The one complaint which everybody makes about this compiler is its speed (or rather the lack of it). It is slow. Make that s..l..o..w.
A 500 line program can take up to 20 minutes to compile and link.
Nevertheless, we are satisfied with it and have no other serious complaints.

Les Gondor, U of Toronto CSRG
{cornell,ihnp4,allegra,uw-beaver,decvax!utzoo}!utcsrgv!lgondor
CSNET: lgondor@toronto ARPA: lgondor%Toronto@CSNet-Relay
"Strange women lying in ponds and distributing swords
is no basis for a system of government!"

I have purchased the Manx C65 package about a month ago.

To date I have been impressed with its quality and functionality.
It *does* produce true 6502 machine code, and through some careful optimization, came be made to run quite fast. As an exampl, I am working on a graphics package now, written in C. The line drawing algorithm is comparable in speed to the routines in the Apple rom.
It supports a pseudo UNIX shell environment with built in ls, cat, mv, cp, etc commands. The full stdio library is supplied *with source*.
All the hooks are there into DOS3.3 for file IO including a subroutine for

RWTS in addition to the lock, unlock, catalog, read, write, etc.
It's the best $200 you can spend if you are a real 'C' fan like me.

Lou Haskell - AT&T- Bell Labs - Columbus
...cbosg!cbscc!ljh
--
     Dieter Muller
     aka Rube Goldberg II
     (djm@nmtvax)

From 1398843339110668684
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fa0debab83203e9c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-10 05:40:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site sdcrdcf.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!darrelj
From: darrelj@sdcrdcf.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re(n): //c modem problems
Message-ID: <1300@sdcrdcf.UUCP>
Date: Mon, 10-Sep-84 08:40:13 EDT
Article-I.D.: sdcrdcf.1300
Posted: Mon Sep 10 08:40:13 1984
Date-Received: Sun, 16-Sep-84 09:35:07 EDT
References: <sri-arpa.13343>
Reply-To: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Organization: System Development Corporation, Santa Monica
Lines: 48
Summary:

>From the various descriptions of the problem, the Apple is providing
one half the color burst frequency instead of 1.8432Mhz for baud rate generation.
The former is easily derived from the 4x color burst crystal used in all
Apples (makes generation of color images an incidental (but wanted) side

effect of the B&W video circuitry. The latter is one of a half-dozen
popular frequencies for Baud rate generation (1.8432MHz = 2^13 * 3^2 * 5^2)
which get most popular rates exactly (e.g. 1.8432MHz/3/512 = 1200) with
simple counters. (For asyncronous transmission, you normally want 16*baud).
There are also three completely different circuits used for baud rate
generators.
a) A couple of chains of low divisor counters with output taps between most
  stages (e.g. once you get 9600, sucessive halvings get most other common
  rates
b) A polynomial (mod 2) shift register which can divide by almost number but
  requires initialization values which are hard to compute. Generally these
  values are hardwired into a small table. It's advantages are that you
  can select almost any (fixed) set of input/output relationships with less
  circuitry than (c).
c) A general divide by n counter of 12 to 16 bits. Takes more circuitry,

  but easy to program. E.g. to get 1200x16 clock for most UARTs at 1200 baud,
  program divide by reference/(1200x16).
Apple seems to be using the divisor needed for a 1.8432MHz crystal (96)
with 1,789,773 Hz reference (which needs a divisor just over 93).
[With type a circuitry, you can't divide by 93, so you're stuck with
1165.22 baud; with type b, your stuck if you use a part meant for 1.8432MHz,
instead of paying for a custom version; with type c or custom b, you have
your choice of 93 as a divisor (giving 1203 baud) or 94 (giving 1190 baud).

The fastest fix is to provide the right crystal for the serial chip (note
that you will need a resistor or capacitor in addition to the crystal;
you will have to check the data sheet for the proper crystal hookup).
It also fixes all baud rates.
With a type c baud rate generator, an alternate fix is software, but waiting
for Apple to produce and distribute a revised ROM will take months, and will
still leave high baud rates on shakey grounds; at 9600 baud, you are stuck
with dividing by 12, giving a rate 3% low again.
[An amazing amount of trouble to save $5 for the crystal!!!]

--
Darrel J. Van Buer, PhD
System Development Corp.
2500 Colorado Ave
Santa Monica, CA 90406
(213)820-4111 x5449
...{allegra,burdvax,cbosgd,hplabs,ihnp4,orstcs,sdcsvax,ucla-cs,akgua}
                                                        !sdcrdcf!darrelj
VANBUER@USC-ECL.ARPA

From -5804315908838940368
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,439731f0b26f8ae6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-10 08:21:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site analog.UUCP
Path: utzoo!linus!decvax!tektronix!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell   )
Newsgroups: net.micro.apple
Subject: Fromhex.bas problem
Message-ID: <146@analog.UUCP>
Date: Mon, 10-Sep-84 11:21:28 EDT
Article-I.D.: analog.146
Posted: Mon Sep 10 11:21:28 1984
Date-Received: Sun, 16-Sep-84 11:40:52 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 25

     I tried this weekend to use fromhex.bas (downloaded from fa.info-mac)
to convert fromhex (recently posted by Mike Ward to net.sources). There is

a problem somewhere--the program reads a couple of records and then gives an illegal function call error. Investigation shows that the ASC function is being called with a null string, which in turn appears to be related to the fact that a "pointer" to the data from disk has run past the end of the data.

I played around with this a while and finally made the program check for this condition and read what I hoped was the next record. This let the program complete, and gave me a program named "C prog", as billed. But "C prog" is 0 bytes long! So something is still not right.

Has *anyone* been able to get fromhex.bas to do its thing correctly? If so, I would appreciate hearing from you!

Incidental question: Why are the records of the fromhex.dl file 66 bytes long, when one wants to read these records in groups of four or eight bytes? Are those "leftover" bytes a checksum, or something?

Kim Helliwell
{menlo70,hplabs}!analog!kim

From -5372245896724997660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b1c88642a3265822,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-10 19:00:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!uwvax!anderson
From: anderson@uwvax.ARPA (David P. Anderson)
Newsgroups: net.micro.apple
Subject: Aztec C screen graphics routines: query
Message-ID: <412@uwvax.ARPA>
Date: Mon, 10-Sep-84 22:00:20 EDT
Article-I.D.: uwvax.412
Posted: Mon Sep 10 22:00:20 1984
Date-Received: Sun, 16-Sep-84 12:26:13 EDT
Organization: U of Wisconsin CS Dept
Lines: 13

<>
Has anyone written Aztec C programs which use the hi-res display?
This should be possible since you can tell the loader where to put stuff.
What I need is a routine to draw dot (x,y), but any additional stuff
(line/circle generation) would be interesting. Please reply by email.

Also, if anyone has found more bugs in the system please post them.
I have two: (1) the function which returns a random double is called
"ran", not "random" as in the manual; (2) wrong code is generated for
"i = (j ? 1 : -1);" -- if j is 0, i gets 255 instead of -1. It is not
clear that Manx will fix anything, so it is important that bugs be publicized.

David Anderson (uwvax!anderson)

From -269325969317318398
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc8ed8e5c7dde9c7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-11 09:37:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro.apple
Subject: RE: Apple II+ hard disks - SUMMARY
Message-ID: <107@dadla.UUCP>
Date: Tue, 11-Sep-84 12:37:20 EDT
Article-I.D.: dadla.107
Posted: Tue Sep 11 12:37:20 1984
Date-Received: Fri, 14-Sep-84 21:16:14 EDT
Organization: Tektronix, Beaverton OR
Lines: 92

Well, here are the responses I got - Thank you very much!

Dale Call

****
From: ihnp4!ihuxn!mlr
Date: 6 Sep 84 07:36:02 CDT (Thu)
Subject: Re: Apple II+ hard disks???

Corvus Systems, Inc. San Jose, Ca (408) 559-7000 makes hard disks
for the Apple as well as other personal computers. The Corvus allows
the hard disk to be partitioned into Pascal,CP/M, and DOS volumes.
They also have hardware and software for backing up the hard disk to
video tape, and offer networking for multiple computers sharing a
hard disk. I have used their system for almost 5 years, and have
been pretty pleased with them.

Mike Robins
AT&T Bell Labs
ihnp4!hou2g!mlr
****
From: ihnp4!ihima!krstan
Date: 6 Sep 84 11:03:39 CDT (Thu)
Subject: Re: Apple II+ hard disks???

Dale,
I have recently gotten a Davong 15 Meg system. It can support CP/M,
Apple DOS and Pascal volumes. There is a good summry of hard disk
manufacturers in the Compupro reports. If you have any specific

questions, I'll be happy to answer them.

Keith R. Stanley
...ihnp4!ihima!krstan
AT&T Bell Laboratories
(312)-979-6014

****

From: hplabs!sdcrdcf!sdcsvax!allyn
Date: Thu, 6 Sep 84 10:18:21 pdt
Subject: Re: Apple II+ hard disks???

Corvus Systems (San Jose) makes a hard disk that supports DOS 3.3 and
Pascal 1.1 (last I heard). By now, it may also support CP/M and ProDos.

--

From the virtual mind of Allyn Fratkin sdcsvax!allyn@Nosc
UCSD Pascal Project {ucbvax, decvax, ihnp4}
U.C. San Diego !sdcsvax!allyn

"Generally you don't see that kind of behavior in a major appliance."

****

From: hplabs!ucbvax!dan@sri-tsc.arpa
Date: 6 Sep 1984 2049-PDT (Thursday)
Subject: Re: Apple II+ hard disks???

I believe that Corvus is still making 10 and 20 Meg hard disks. IN fact
they have this funky system called a "Constellation II" that allows you
to hook up a 20 Meg corvus to BOTH an Apple II and an IBM PC at the SAME TIME.
Pretty bizarre. Unfortunatly I don't have their address, but they are
a local (Silicon Valley) company -- probably Mountain View CA.

Good Luck!

-Dan Chernikoff
dan@sri-tsc

****

From: decvax!seismo!umcp-cs!eneevax!ong
Date: Sat, 8 Sep 84 02:32:16 edt
Subject: Re: Apple II+ hard disks???

Just look around in any magazine on apples and you will find that
there are many hard disks available for the II+/e. Do spend some time
looking at the Corvus systems, as they are by far the most popular.

****

From: hplabs!ucbvax!neves%wisc-ai.uwisc@wisc-crys.arpa
Date: Fri, 7 Sep 84 00:51:25 cdt
Subject: Re: Apple II+ hard disks???

I have a friend who has an hard disk bought from some small
company in Alabama. He runs Pascal on it. It is 5 meg +
5 meg removable cartridge. I believe I've seen its ads in
the late Softalk magazine.

****
From: hplabs!ucbvax!mgrant@mit-mc.arpa
Date: 10 September 1984 00:22-EDT
Subject: Apple II+ hard disks???

I built a hard disk for my apple. It cost me about $1100. I just bought
the parts and the software, and slaped it together and it worked. If you
would like more specific plans, I will write in more detail. I may even
send it to info-apple; what do you think?
-Mike Grant

From 536899652997281879
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39d3ffd66b752567,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-11 11:14:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stat-l
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Pucc-I:Stat-L:acu
From: acu@stat-l (Shoe)
Newsgroups: net.micro.apple
Subject: Apple Announces Fatter Mac
Message-ID: <141@stat-l>
Date: Tue, 11-Sep-84 14:14:13 EDT
Article-I.D.: stat-l.141
Posted: Tue Sep 11 14:14:13 1984
Date-Received: Fri, 14-Sep-84 21:06:19 EDT
Organization: Purdue University Computing Center
Lines: 17

From The Chicago Tribune, September 11, 1984

"Apple computer announced a Macintosh personal computer with additional
memory and a memory expansion kit and $300 price cut for the current
128K byte model. The new business [???] computer, which will have 512K
bytes of memory, is being introduced several months early because of
the availability of memory chips. It will retail for about $3,195. The
128K byte system, reduced to $2,195, can be expanded to 512K bytes for
$995."

Transcribed by:
--
Mark Shoemaker   /dev/shoe
...!pur-ee!pucc-k:acu   mas@purdue

The way to do is to be.
     -- Lao Tzu

From -4266225477917054025
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,2f9d3d3cd795158,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-12 07:47:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!inuxd!wolenty
From: wolenty@inuxd.UUCP (R Wolenty)
Newsgroups: net.micro.apple
Subject: Pro-DOS calls?
Message-ID: <616@inuxd.UUCP>
Date: Wed, 12-Sep-84 10:47:50 EDT
Article-I.D.: inuxd.616
Posted: Wed Sep 12 10:47:50 1984
Date-Received: Fri, 14-Sep-84 07:02:07 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 13

I've noticed a statement in some Applesoft BASIC
programs running under Pro-DOS that I can't identify
in any of the documentation that I have. An example:
    & "GOTOYX",param1,param2   or
    & "JUSTIFY","string",param
There are no files on the disk with names like "JUSTIFY" of
"GOTOYX". Could someone enlighten me please.

Ron Wolenty (AT&T Consumer Products)
Indianapolis, IN

From -6844365741675677698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b0a0be18bb81937,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-12 23:36:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stcvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!cires!nbires!stcvax!rbh
From: rbh@stcvax.UUCP (Brent Haws)
Newsgroups: net.micro.apple
Subject: memory management for a 128k][+ ??? questions
Message-ID: <302@stcvax.UUCP>
Date: Thu, 13-Sep-84 02:36:26 EDT
Article-I.D.: stcvax.302
Posted: Thu Sep 13 02:36:26 1984
Date-Received: Fri, 14-Sep-84 09:12:41 EDT
Organization: Storage Technology Corp. Louisville, CO
Lines: 11

i would appreciate information from anybody who knows about
or has a][+ with 128k and how to configure a system.

what type of modifications are needed (soft and hard),
is it turned on as needed, what is the name a good card to get
and how much, etc.. thanks--   brent
--
Brent Haws - STC StorageTek (Disk Division)
uucp: { hao, ihnp4, decvax}!stcvax!rbh
     { allegra, amd70, ucbvax }!nbires!stcvax!rbh
USnail: Storage Technology Corp - MD 3T / Louisville, CO / 80028
DDD: (303) 673-6750

From 5110657756956613747
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a2e45636c7278328,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-13 11:05:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!jgw
From: jgw@rabbit.UUCP (Jay G. Wilpon)
Newsgroups: net.micro.apple
Subject: Lisa II upgrade for Original Owners!!!
Message-ID: <3143@rabbit.UUCP>
Date: Thu, 13-Sep-84 14:05:13 EDT
Article-I.D.: rabbit.3143
Posted: Thu Sep 13 14:05:13 1984
Date-Received: Tue, 25-Sep-84 01:12:13 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 17

Has any one who had an original Lisa had any problems
in upgrading it to a Lisa II.
Also, have any of you complained to Apple about the loss
of a disc. (ie. 2 800Kb floppys for 1 400Kb semi-floppy).
I complained to Apple saying that I wanted 2 of the new
discs, but they said no!! Has ANYONE ELSE had any better
results.
We spend $10 Kbucks on this thing and Apple seems
to have forgotten us!!
Please, mail me ANY information you have. I think
we're all in the boat, so maybe jointly we can get
so reasonable results.

- So long for now!!

Jay Wilpon

From -1993610795254660773
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,451ffc567c284bdb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-14 14:44:06 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site analog.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: Font editor question (MAC)
Message-ID: <147@analog.UUCP>
Date: Fri, 14-Sep-84 17:44:06 EDT
Article-I.D.: analog.147
Posted: Fri Sep 14 17:44:06 1984
Date-Received: Tue, 25-Sep-84 02:40:25 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 29

I just downloaded the font editor and resource mover from Compuserve, and have been playing around with them. I made a "new" font (a slightly edited version of an existing font), then went to install it. Brought up MacWrite, and there was the font name in the menu, but both it and Geneva were checked on, and what I got was Geneva. Well, thought I, there must be a collision in the resource numbers of the two fonts.

So, I started playing around with the number of the new font. I also began using the font mover to install the font, rather than the resource mover. So, the next problem was that I clobbered Toronto--when I would bring up the new font, the installed Toronto fonts in the system took on the name of the new font! Another result of a resource number collision.

After playing around some more, I realized that there is a base number of the font, and the various sizes are offset from this base number by the value of the point size. Soooo.... the problem is merely to pick a base number that does not collide with the existing ones. After fiddling around, I got a base number for my new font which is OK (for now). But it was apparent that there is not complete freedom in choosing the base number. The question is, how do you choose this base number? Is there a fixed number of "slots" between one font and the next? If not, where is the variable number of "slots" (for want of a better word) stored--can I get at it with the resource mover? Does someone have a list of the currently occupied numbers?

Pls answer by mail.

Kim Helliwell
{hplabs,menlo70}!analog!kim

From -5347247062894203672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b492b4012dc9307
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-14 17:54:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!uiucdcs!uok!

rokshull
From: rokshull@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Color Monitor 100
Message-ID: <4500003@uok.UUCP>
Date: Fri, 14-Sep-84 20:54:00 EDT
Article-I.D.: uok.4500003
Posted: Fri Sep 14 20:54:00 1984
Date-Received: Tue, 25-Sep-84 02:37:35 EDT
References: <12760@sri-arpa.UUCP>
Lines: 4
Nf-ID: #R:sri-arpa:-1276000:uok:4500003:37777777600:184
Nf-From: uok!rokshull   Sep 14 19:54:00 1984

I'd look for a new dealer. Mine quoted about $500 including interface.
I don't know of any software specifically for the Mon 100, but any
graphics are supposed to look better with it.

From 138755121977034063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a261625c2e8dc3d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-14 20:09:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!zehntel!dual!amd!decwrl!
decvax!genrad!wjh12!foxvax1!brunix!omh
From: omh@brunix.UUCP (Owen M. Hartnett)
Newsgroups: net.micro.apple
Subject: Mac Utility 4Sale cheap
Message-ID: <9516@brunix.UUCP>
Date: Fri, 14-Sep-84 23:09:48 EDT
Article-I.D.: brunix.9516
Posted: Fri Sep 14 23:09:48 1984
Date-Received: Tue, 25-Sep-84 05:36:21 EDT
Lines: 20

*** FOR SALE ***

A cross reference program for Microsoft Basic in Microsoft Basic. For those of
you
who aren't familiar with cross reference programs, the program produces a
sorted printed listing of all variable names and numbers used in a program.
Each symbol is printed along with the numbers of the lines it appears in.

Very handy utility to use when debugging MS Basic. It is very helpful when
using VARPTR to find out where you created that new variable, especially
when GOSUB1150 is a variable and GOSUB 1150 is a subroutine call.

Price is FIVE BUCKS ($5) with your disk and SASE. Or send $13 and I'll provide
postage and disk.

Address:
  Cross Reference Offer
  Ohm Software Co.
  163 Richard Drive
  Tiverton, RI 02878

From 13991533256281645 75
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f1aec6da0c30438f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-17 08:32:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site uf-csg.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!decwrl!decvax!
mcnc!akgua!uf-csv!uf-csg!rik
From: rik@uf-csg.UUCP (Rik Faith [guest])
Newsgroups: net.micro.apple
Subject: Re: Apple Terminal Emulators..
Message-ID: <178@uf-csg.UUCP>
Date: Mon, 17-Sep-84 11:32:55 EDT
Article-I.D.: uf-csg.178
Posted: Mon Sep 17 11:32:55 1984
Date-Received: Wed, 26-Sep-84 07:26:20 EDT
References: <12530@sri-arpa.UUCP>
Organization: Univ of Fla, Computer and Information Science
Lines: 10

I've found 'Softerm' to provide good VT100 emulation for the Apple II+.
It handles the keypad mode well (ctrl-f, 'number'), so DEC's EDT is
usable with a little practice. The new version (Softerm II) requires
the use of a slot, though, but will emulate more terminals (I think)
and handle more 80-col cards.
--
--
Rik Faith at the University of Florida, Gainesville
UUCP: ..!akgua!uf-csv!uf-csg!rik
[Rabbit's choices: freeze, take the chance they won't see you, then bolt.]

From 91613022848758 51
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5c8134ab0f48dfc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-17 10:07:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!ssc-
vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Re: Floating Pt. hardware
Message-ID: <193@ssc-bee.UUCP>

Date: Mon, 17-Sep-84 13:07:11 EDT
Article-I.D.: ssc-bee.193
Posted: Mon Sep 17 13:07:11 1984
Date-Received: Tue, 25-Sep-84 04:21:30 EDT
References: <13517@sri-arpa.UUCP> []
Organization: Boeing Aerospace, Seattle
Lines: 16

> If you want to start from scratch, maybe you should check
> out the 16081 floating point chip. It has recently been
> in the press as a coprocessor for the 68000 (ala digital
> acoustics). It is supposed to be relatively easy to
> interface to the 68000, but I have no idea what it
> would be like to interface to a 6502. Price is about
> $200 if you can find it.   Made by National. Runs at
> 5 Mhz!
>
> mike eve   ssc-vax!eve@ssc-bee

--
Mike Eve   ssc-vax!eve

From 1879006363732266627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b42c4c2a8e964f5e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,b42c4c2a8e964f5e,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1984-09-17 14:38:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/3/84; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!rma
From: rma@mhuxt.UUCP (ATKINS)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Apple CP/M to DOS 3.3 file conversion
Message-ID: <260@mhuxt.UUCP>
Date: Mon, 17-Sep-84 17:38:19 EDT
Article-I.D.: mhuxt.260
Posted: Mon Sep 17 17:38:19 1984
Date-Received: Tue, 25-Sep-84 04:13:15 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 5

Does anyone have or know of a utility to convert Apple CP/M files to Apple
DOS 3.3 files (text). I assume this can be done since both operating
systems use the same disk format and a program to convert the other way
is included on the Microsoft Apple CP/M master disk.

From -6356981335805802455
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bcffd689068a1947,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-18 07:43:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: Pascal FW Output hook
Message-ID: <487@pucc-i>
Date: Tue, 18-Sep-84 10:43:50 EDT
Article-I.D.: pucc-i.487
Posted: Tue Sep 18 10:43:50 1984
Date-Received: Tue, 25-Sep-84 08:34:05 EDT
References: <12047@sri-arpa.UUCP>
Organization: Purdue University Computing Center
Lines: 10

> Does anyone have source code for a Pascal output hook for use on an
> Apple IIe with the 80 column card activated?

Your Apple dealer does. Ask for the "Apple //e Reference Manual". The
80-column firmware listings are in the accompanying supplement.
--
[This is my bugkiller line. It may appear to be misplaced, but it works.]

Dave Seaman My hovercraft is no longer full of
..!pur-ee!pucc-i:ags eels (thanks to my confused cat).

From -3926561469601846447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,7b8fb0c452b252e1,start
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1622d3,7b8fb0c452b252e1,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,7b8fb0c452b252e1,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-09-18 10:21:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!vax135!cornell!uw-beaver!tektronix!hplabs!hao!seismo!cmcl2!lanl-a!unm-cvax!cs4911ay
From: cs4911ay@unm-cvax.UUCP
Newsgroups: net.micro,net.micro.apple,net.flame
Subject: Apple Shafts America; or, The Computer For the Rich of Us
Message-ID: <1267@unm-cvax.UUCP>
Date: Tue, 18-Sep-84 13:21:58 EDT
Article-I.D.: unm-cvax.1267

Posted: Tue Sep 18 13:21:58 1984
Date-Received: Tue, 25-Sep-84 09:28:31 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 94

[It is pitch black. You are likely to be eaten by a --]

The following is a massive diatribe levelled at Steve Jobs and his band of merry highwaymen down in Cupertino. Apple fans with sensitive constitutions, consider yourselves warned.

I just received news concerning the Fat Mac, of which we have all heard so much: the Macintosh, with 512K. It has been released and is on its way, delivery date approximately three weeks (or thereabouts; delivery dates haven't been Apple's strong point lately).

I also received news about its price.

Brace yourselves.

$995. Yes, you read right: that's nine hundred ninety-five big ones, to be removed deftly from your wallet and placed just as deftly into theirs. All that on top of the $2495 (or $2195, if you happened to get it in one of the recent sales that have started to spring up here and there) which all us Macfans have already shelled out.

[Background: My friends and I who purchased Macs are not the businessmen-types that the Mac seems to be aimed at. We are but simple college students, not fortunate enough (or rich enough, as the case may be) to attend one of the schools in the Apple University Consortium, and get our Macs for dirt cheap. No, we go to the University of New Mexico, in the Land of Enchantment (Land of Enchantment? You've got to be kidding. Do you know what it feels like to live in one of the few places in the civilized world where you can still catch the bubonic plague? The PLAGUE, for God's sake!!!). Therefore, we had to spring for the big bucks, and don't get off on this account. OK, back to righteous indignation.]

They have got to be kidding! When the Mac was first announced, the price was $1995; not bad, considering what you get in a Mac. Then, when it finally saw the light of day, filtered through display windows, the price had somehow escalated to $2495 -- for the bare-bones system, of course. Steep, but still within the range of those of us fortunate enough to have that kind of cash handy or to have a sympathetic loan officer. This, of course, was the 128K Mac; the fully-realized Mac was on its way, by the end of the year, just hang on, we'll get it to you, 512K, Real Soon Now, wow, gosh ...

Well, they sure got it to us, all right. For the measly sum of damn near a thousand bucks extra, we plebes can get ourselves the system that should have come out in the first place. So now Apple has us all over a barrel. We all sprung our $2995 for the Mac and the printer, and shortly afterwards realized that the thing was absolutely useless without

the second disk drive. So, another $495 went down the drain. Next comes the realization that with the basic 128K, the user is left with too little memory to accomplish anything significant. So, another $995 down the tubes. Thus Steve Jobs' vision of the computer that anyone can use has become the computer that no one can afford, because a workable system sells for $4485. What a bargain!

Looks like Steve & Co. are standing by to rake in the big bucks; The Rest of Us can all bend over and grab our ankles. It's coming in dry, folks; no Vaseline on this one.

Now, damn it, I really like the Mac -- I really do. It's got a few rough spots, but nothing a little software and minor hardware changes couldn't fix. That's what the Fat Mac was supposed to be all about, at least as far as hardware went. I, personally, wouldn't own anything else, certainly not another faceless, amorphous blob from the IBM PC CloneMakers. All in all, I think it's the best thing to hit the market since -- well, since the Apple II. And buying Apple is like buying Hewlett-Packard: once you buy one, you tend to stick with it. At least, I do, and I'm sure there's a lot of people out there like me.

But pulling little stunts like this is not going to earn old Stevie Boy any new friends. I can hear Jerry Pournelle cackling away in the depths of Chaos Manor now, chortling, "I told you so!" Oh, sure, eventually the price of the changeover will probably drop -- maybe to $500. The point is, however, that it shouldn't have to. $500 is the price they should be charging now -- and even that's excessive. They should properly be giving the damn thing away for the price of labor, since the price hike in the beginning covers what the upgrade should be costing now. But they won't. And by delivering yet another shaft to the long-suffering-but-loyal followers of the Macintosh, Apple has shown that, in the end, they're not that much different from any other computer company, that they don't really give a damn about the end-user, and that the final arbiter is, as we all suspected but hoped against hope was not true, the bottom line on the ledger books.

I guess 1984 is a little more like _1984_ than we might've hoped.

From The Rest of Us to Apple: one extremely loud and heartfelt Bronx cheer.

$$$

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site oliven.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!oliveb!oliven!hawk
From: hawk@oliven.UUCP (Rick)
Newsgroups: net.micro.apple
Subject: Re: Pro-DOS calls? (No)
Message-ID: <568@oliven.UUCP>
Date: Tue, 18-Sep-84 15:10:07 EDT
Article-I.D.: oliven.568
Posted: Tue Sep 18 15:10:07 1984
Date-Received: Tue, 25-Sep-84 04:35:08 EDT
References: <12094@sri-arpa.UUCP>
Organization: University of Waikiki
Lines: 9

>   Note that you could indeed do a Pro-DOS call this way, but you would
>have to write your own assembly level routine to do the actual work.

Why not use a few POKE's and a CALL to get the Pro-DOS routine?

rick

--
[hplabs|zehntel|fortune|ios|tolerant|allegra|tymix]!oliveb!oliven!hawk

From 458117500294283018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8f88ae34631b791,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-18 12:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucdcsb.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!uiucdcsb!menna
From: menna@uiucdcsb.UUCP
Newsgroups: net.micro.apple
Subject: NEEDED : Apple III Pascal
Message-ID: <4600009@uiucdcsb.UUCP>
Date: Tue, 18-Sep-84 15:58:00 EDT
Article-I.D.: uiucdcsb.4600009
Posted: Tue Sep 18 15:58:00 1984
Date-Received: Tue, 25-Sep-84 07:48:37 EDT
Lines: 9
Nf-ID: #N:uiucdcsb:4600009:000:287
Nf-From: uiucdcsb!menna   Sep 18 14:58:00 1984

I'm looking for a pascal compiler for an apple III, but I'm really
not interested in paying the full price for a new compiler since
it will in all likely hood be used for only one program.

If any one can help me I would truly appreciate it.

thanks
  --Randy Menna

From 3875269374295660000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7b8fb0c452b252e1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-18 19:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!dual!amd!decwrl!decvax!
genrad!wjh12!harvard!seismo!cmcl2!acf4!spector
From: spector@acf4.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Shafts America; or, The Comput
Message-ID: <12500009@acf4.UUCP>
Date: Tue, 18-Sep-84 22:58:00 EDT
Article-I.D.: acf4.12500009
Posted: Tue Sep 18 22:58:00 1984
Date-Received: Wed, 26-Sep-84 01:30:04 EDT
References: <1267@unm-cvax.UUCP>
Organization: New York University
Lines: 25
Nf-ID: #R:unm-cvax:-126700:acf4:12500009:000:1135
Nf-From: acf4!spector   Sep 18 22:58:00 1984

 I have to disagree. You knew what you were getting into when you bought
your Macintosh. No one twisted your arm. And if you calm down for a minute
and look at the market price of chips (256K Drams), Labour, and of course the
money apple is losing in all those mother boards it has to rebuild, you are
getting a good deal for your $995. As I recall the upgrade was rumoured
to cost $1500 -> $1800 range. So count your blessings. I too have to fork
out the $995 to upgrade MY Macintosh, but for the added memopry, speed and
performance its worth it. If you wanted "perfection" you should have bought
an IBM-PC.

Oh, yeah, if you paid the regular price ($2495...) for your Mac, you also
get $250 worth of FREE software; MacProject and MacDraw as I understand.

David HM Spector
NYU/acf Systems Group
spector@nyu-cmcl1.ARPA
...allegra!cmcl2!cmcl1!spector

"These opinions are mine and in all probability don't reflect those of my
employer"

Also, I don't work for Apple Computer, Inc., or any of its affiliates, etc,
I am just a satisfied Macintosh owner who has a LOT (<- Heavy emphasis) of
fun with his Macintosh!

From 2392530231066538771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1d313186e9977eec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-19 08:10:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.16 $; site uok.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!inuxc!pur-ee!uiucdcs!uok!
jsmcginn
From: jsmcginn@uok.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response
Message-ID: <4500004@uok.UUCP>
Date: Wed, 19-Sep-84 11:10:00 EDT
Article-I.D.: uok.4500004
Posted: Wed Sep 19 11:10:00 1984
Date-Received: Wed, 3-Oct-84 19:44:26 EDT
References: <179@sri-arpa.UUCP>
Lines: 9
Nf-ID: #R:sri-arpa:-17900:uok:4500004:37777777600:353
Nf-From: uok!jsmcginn   Sep 19 10:10:00 1984

    You really do have problems. I have transfered most ov my apsoft files
to PRODOS with no problems at all. It sounds like your problem is in
the CONVERT program, although mine doesn't involk trace it will sometimes
die in the middle of a transfer. The only thing I can suggest is to go to your
dealer and try a different copy of CONVERT.

                        j

From -1099378908801050444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126bb2993c70f66b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-19 08:30:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP
Newsgroups: net.micro.apple
Subject: Apple keeps the elevator
Message-ID: <1153@hao.UUCP>
Date: Wed, 19-Sep-84 11:30:12 EDT
Article-I.D.: hao.1153
Posted: Wed Sep 19 11:30:12 1984
Date-Received: Tue, 25-Sep-84 07:22:31 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 46

[and gives its customers the shaft]

Hooray for Mike Conley for telling it like it is. Except that
he was a little to kind. He forgot to mention that if we had
all waited just a few months we could have saved ourselves some
big bucks. Here's a little arithmetic: right now I can buy
a 128K Mac for $2,000. That's a $500 discount from list. Apple
has dropped the price (effective someday) by $300. That means
we can expect to see the 128K Mac (the Tiny Mac?) (The inadequate
Mac?) selling for $1700. Add a thousand to that and you get
$2700. That's what I expect to see the Fat Mac selling for real
soon now. That's $200 more than I paid for my Meager Mac. That's
a hell of a lot of depreciation to see in just a few months,
just a few months after the product is released.

Just think how Apple would be doing right now if everybody had
been smart and played it safe. If everybody had realized the
truth - that Apple is just another greedy, screw the customer
corporation. (Even IBM does better - they put the screws to
their business partners. Apple does it to their custumers)
If everbody had played wait and see (like the folks who Apple
is now rewarding), Apple would be in deep trouble right now.
Considering that, before the Mac, the only thing decent thing
they produced was little more than a toy, and that they have
produced failure after failure - if the Mac had not sold well
that company would now be worth zip! And we who took Apple on
faith (the software will be out next month, next month, next
month), who believed that Apple was a little different have been
thanked in a very nice manner: "You've been stupid enough to
cough up the bucks so far - so why not be real stupid and cough
up some more".

Damn you Steve Jobs.

P.S. I've called Apple ((408) 996-1010), have you? I was rude.
P.P.S. What do you think of a guy who starts out robbing the phone company
     and ends up robbing his customers?
P.P.P.S. Is anybody going to be stupid enough to buy a Fat Mac
     at $3100?
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 8857766524393015579
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,1102fdd208695957,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,1102fdd208695957,start

X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,1102fdd208695957,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-19 12:31:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!ihnp4!zehntel!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro,net.micro.atari,net.micro.apple
Subject: Re: r UNIX based 6502 development tools
Message-ID: <4736@brl-tgr.ARPA>
Date: Wed, 19-Sep-84 15:31:15 EDT
Article-I.D.: brl-tgr.4736
Posted: Wed Sep 19 15:31:15 1984
Date-Received: Wed, 26-Sep-84 01:07:08 EDT
References: <443@houxl.UUCP>
Organization: Ballistics Research Lab
Lines: 2

It would be helpful if any response to the query about UNIX 6502
cross-development tools were posted to net.micro.apple & .atari.

From 4696728842987725533
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126bb2993c70f66b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-19 17:21:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Apple keeps the elevator
Message-ID: <4750@brl-tgr.ARPA>
Date: Wed, 19-Sep-84 20:21:51 EDT
Article-I.D.: brl-tgr.4750
Posted: Wed Sep 19 20:21:51 1984
Date-Received: Tue, 25-Sep-84 20:57:51 EDT
References: <1153@hao.UUCP>
Organization: Ballistics Research Lab
Lines: 17

Seems to me the loud complaints are coming from the people who
were too foolish to buy the computer they needed. I too thought
the Macintosh was cute but I couldn't figure out any way to
justify buying one. If a dozen good graphics adventures are
marketed for the "Fat Mac" I might buy one. Otherwise, it is
clearly targeted as a desktop accessory for the executive, not as
a hobbyist or home machine.

We all heard similar complaints when people jumped on the home computer bandwagon and bought some other machine that they had no justifiable use for, including Apple IIs. It is not the fault of the manufacturer that the computer does not meet your needs, although it might be the fault of the salesmen.

I find it hard to believe that Apple's mainstay is currently the Macintosh. Does anyone have accurate accounting figures on the various Apple products?

From -6381564013525875723
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2e977d061fd9b8fd,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11946d,2e977d061fd9b8fd,start
X-Google-Attributes: gid11946d,public
X-Google-ArrivalTime: 1984-09-20 05:40:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 9/5/84; site nlm-vax.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mit-eddie!genrad!wjh12!harvard!
seismo!brl-tgr!nlm-mcs!nlm-vax!gregg
From: gregg@nlm-vax.ARPA
Newsgroups: net.dcom,net.micro.apple
Subject: Gibson light pen and Saturn 128k ram card
Message-ID: <54@nlm-vax.ARPA>
Date: Thu, 20-Sep-84 08:40:41 EDT
Article-I.D.: nlm-vax.54
Posted: Thu Sep 20 08:40:41 1984
Date-Received: Wed, 26-Sep-84 00:44:27 EDT
Distribution: net
Organization: NLM/LHNCBC, Bethesda, Md.
Lines: 19

   <read a book today>

Does anyone have any experience with using an Apple II+ or IIe and the Saturn 128k ram card, and the Gibson light pen. My problem is loading the ram expand (ramexpa) program, from the BASIC diskette provided with the Saturn card, and the Gibson light pen software (Pentrak 1.1 or 2.0), and using these two utilities together. It appears that the ampersand hook in Pentrak interferes with the ramexpa capabilities in the Apple's memory (or visa-versa). How can I tell DOS 3.3 to load ramexpa and/or Pentrak 1.1 or 2.0 in a different place in memory so that the two will not interfere with each other. I am using Applesoft BASIC and I would like to stay with this language for my particular application.

I have tried to load the two programs at different times (ramexpa first then Pentrak and visa versa) but nothing has worked for me yet.   All suggestions welcome!

From -1538472774952158841
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,126bb2993c70f66b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-09-20 07:53:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxj!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Apple keeps the elevator
Message-ID: <1157@hao.UUCP>
Date: Thu, 20-Sep-84 10:53:32 EDT
Article-I.D.: hao.1157
Posted: Thu Sep 20 10:53:32 1984
Date-Received: Wed, 26-Sep-84 03:22:51 EDT
References: <4750@brl-tgr.ARPA>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 12

[]
Unfortunately, the computer I need costs >$15K. I was foolish
enough to think that the Mac would come close without waiting
to see what it could really do. It now looks like the Fat Mac
will come close to being what is needed, but because I paid list
price early, I can't afford it.
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -834306128659018178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98945a73f8582c83,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-24 06:26:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1e.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!tektronix!uw-beaver!cornell!
vax135!houxz!houxm!ihnp4!ihu1e!we3bst
From: we3bst@ihu1e.UUCP (Robert S. Yen)
Newsgroups: net.micro.apple
Subject: Help w/Super Serial Card!!
Message-ID: <285@ihu1e.UUCP>
Date: Tue, 24-Jul-84 09:26:56 EDT
Article-I.D.: ihu1e.285
Posted: Tue Jul 24 09:26:56 1984
Date-Received: Sat, 28-Jul-84 00:16:44 EDT

Organization: AT&T Bell Labs, Naperville, IL
Lines: 20

Does anyone out there dial-up with an Apple II+ using the Apple Super Serial Card? I have an Apple II+ with the Super Serial Card and a Videx Ultraterm Display Card and I'm getting a blank line after every command I type in. I'm using the SSC in the Communications Mode, running in the Terminal mode (firmware). I think the problem is that in BASIC, <CR>'s are actually turned into <CR><LF>, but I'm not sure. Does anyone know a solution to this problem? I know it's not the Ultraterm, because I tried dialing-up without the Ultraterm and the same thing happened.

I was also wondering if anyone out there has a termcap entry for the Videx Ultraterm (or Videoterm). I'm having some trouble running 'vi' on my Apple. In particular, all the motion keys (h, j, k, l) work except down (j). The termcap entry I have now lists 'do=^J' which seems like it should work, but it doesn't. This may tie in with the above problem, but I don't know. I'd appreciate any help I can get.

Robert S. Yen (ihnp4!ihu1e!we3bst)
AT&T Bell Labs
Naperville, IL

From -5377653111344046416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6326b47289cccb34,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-24 13:24:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!tektronix!hplabs!hao!seismo!rochester!emil
From: emil@rochester.UUCP (Emil Rainero)
Newsgroups: net.micro.apple
Subject: Pascal <==> Dos 3.3 conversion programs
Message-ID: <396@rochester.UUCP>
Date: Tue, 24-Jul-84 16:24:34 EDT
Article-I.D.: rochester.396
Posted: Tue Jul 24 16:24:34 1984
Date-Received: Sat, 28-Jul-84 19:50:13 EDT
Sender: emil@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 56

From: Emil Rainero <emil>

I posted both programs to net.sources due to the large number (>30) of requests for these programs. While I have your attention, I should add that I have other utility programs for general consumption. Offhand I can think of the following useful programs.

B = Binary, A = Applesoft, I = Integer, P = Pascal

1. remove dos(B): Remove Dos from basic disk (frees up tracks 0-2), good for data disks

2. move dos(B): move dos to the language card, get another 12k of memory for basic

3. disk master(B): sort the files on disk, restore deleted files

4. esc catalog(B): allows you to exit a long catalog listing with the esc key

5. freecat(A): display number of free sectors on disk at every catalog command

6. make shapes(A): makes shapes, edits shapes, merges shape tables, in Hires

7. memory test(B): tests memory

8. motor speed(I): displays in LoRes the disk speed (slow ... fast)

9. magazines(A): general purpose data base program, useful for magazines I keep each magazine article (date, title, page, magazine, language, description) and then search for a particular procedure when I need it. Can handle about 500 articles. Very fast (machine) sort, search, string swap. (you may have guessed by now that I have written this one)

10. demuffin(B): opposite of muffin

11. cruncher(B): compresses applesoft programs, removes rems and intelligently builds long basic lines.

12. name disk(A): allows one to add a 11 character name to basic disks instead of getting volume. Eventually this will be incorporated into a global directory search to keep track of all programs on all disks.

I'll have to scrape up documentation for these if anyone wants them.
I'm not sure how to post some of these to net.sources. Some are binary files, other are assembly (Apple toolkit).

I'll have to take this list and run through my catalogs for other stuff (games, etc). Does anyone else have some useful utilities, games, other?

Emil Rainero

From -8530711439464640814
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 15f443,90f2bc754d78b525
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-07-24 17:35:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Fortune) 6/7/84; site dmsd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!fortune!hpda!
dmsd!bass
From: bass@dmsd.UUCP (John Bass)
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <118@dmsd.UUCP>
Date: Tue, 24-Jul-84 20:35:01 EDT
Article-I.D.: dmsd.118
Posted: Tue Jul 24 20:35:01 1984
Date-Received: Sat, 28-Jul-84 09:25:20 EDT
References: <177@dicomed.UUCP> <1040@wateng.UUCP>
Lines: 19

Lisa unix was ported by both Unisoft (UniPlus+) and Microsoft (Xenix).
The UniSoft port is easily available from UniPress Software (201)985-8000.
It contains the whole works (System V, C compiler, Berkley vi & csh, and
more for $1495.00 list. Played with the demo at a show for a few minutes,
it's real and quite usable ... will be nicer when Apple releases the
fast disk controller.

UniPress also offers SVS languages, RM Cobol, SMC stuff, Irvine ADA,
UNIFY, LEX WP, TOM Acct pkgs, RDB, VERTEX, Phact ISAM, and other
bussiness software for it. Also 25-100mb drives and tape.

There are plenty of lisa's around ... after the last price reduction
to complement Mac's they are pretty cheap for what you get.

(Have looked at trading my 11/23 XENIX in on one ... would be nice to
find a really cheap used one in good condition!)

John Bass
{dual,fortune,hpda,idi}!dmsd!bass

From 3139469273887206603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,474998ba7bcc0877
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-24 22:26:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)

Newsgroups: net.micro.apple
Subject: Re: joystick info needed
Message-ID: <3397@brl-tgr.ARPA>
Date: Wed, 25-Jul-84 01:26:29 EDT
Article-I.D.: brl-tgr.3397
Posted: Wed Jul 25 01:26:29 1984
Date-Received: Fri, 20-Jul-84 07:17:02 EDT
References: <1777@stolaf.UUCP>
Organization: Ballistics Research Lab
Lines: 9

The Apple II joystick is just a pair of potentiometers (variable
resistors) each of 150Kohm maximum resistance, arranged with a
mechanical linkage so that the stick turns one for motion in the
X direction and the other for motion in the Y direction. There are
also one or two momentary-contact pushbuttons. The connections
that need to be made to the joystick connector or peripheral DIP
socket are described in the Apple II technical reference manual.
You would be better off buying a joystick (both Apple and Kraft
make good ones) unless you just like to work with mechanical widgets.

From -7967940296385688503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14d0b9,efcb04e110e8d398,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 1622d3,efcb04e110e8d398,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-25 09:25:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!cbosgd!ucbvax!decvax!harpo!whuxle!spuxll!
ech
From: ech@spuxll.UUCP (Ned Horvath)
Newsgroups: fa.info-mac,net.micro.apple
Subject: AppleBus
Message-ID: <539@spuxll.UUCP>
Date: Wed, 25-Jul-84 12:25:13 EDT
Article-I.D.: spuxll.539
Posted: Wed Jul 25 12:25:13 1984
Date-Received: Fri, 27-Jul-84 07:18:37 EDT
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 19

I don't mean to ask the dumb question of the month, but -- I see lots of
references to AppleBus in info-mac; I could have sworn that the Apple folks
at the 1-day seminar (NYC in April) said a preliminary spec was available
(to be finalized by 8/84).

But I can find no reference to AppleBus, let alone a spec, in any of my
Mac literature (including Inside Macintosh + updates).

On a related topic, my Inside Mac (~1 month old) has any number of references

to the document "Putting Together a Macintosh Application." Sad to say,
no such document is present. I have not read every word of every document,
but when the clock strikes 13 it is time to take a closer look...

If I am going blind, please so gently inform. If not, can anyone supply
either of these things? If you have noticed other gaps, send me mail --
I can summarize and post and/or put in a "class-action" scream to Apple.
Thanks,

=Ned=

From -1557583401101577187
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783aff73712ddd9e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-25 10:19:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
harpo!whuxle!spuxll!ech
From: ech@spuxll.UUCP (Ned Horvath)
Newsgroups: net.micro.apple
Subject: Re: halt and branch
Message-ID: <540@spuxll.UUCP>
Date: Wed, 25-Jul-84 13:19:07 EDT
Article-I.D.: spuxll.540
Posted: Wed Jul 25 13:19:07 1984
Date-Received: Sun, 29-Jul-84 00:08:13 EDT
References: <416@teldata.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 8

The actual use of the halt-and-branch is due to the fact that there were
two start buttons on the 1401: a simple resume and a reset-resume.
Neither cleared the program counter, but the reset-start would clear the
(suspended) branch (thereby continuing after the halt without taking
the branch). Thus the operator could transmit one bit to the program
by his choice of start button (no console, remember!).

=Ned=

From -2834996973627216985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,81ce23dfc2c784a8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-25 11:25:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!inuxd!wolenty
From: wolenty@inuxd.UUCP (R Wolenty)
Newsgroups: net.micro.apple

Subject: Apple at 1200 BPS
Message-ID: <589@inuxd.UUCP>
Date: Wed, 25-Jul-84 14:25:35 EDT
Article-I.D.: inuxd.589
Posted: Wed Jul 25 14:25:35 1984
Date-Received: Fri, 27-Jul-84 04:56:53 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 13

I have a problem using the Apple as a dumb terminal at 1200 bits per
second. I am using a short assembly language program on an Apple
IIe that monitors the serial port and Apple keyboard port and
writes to the screen using the firmware routine at $FDED. The
problem is during CR/LF sequences several characters are lost.
I want to know if there is a different subroutine I should be using
or do I have to write my own display driver. Suggestions or comments
are welcome.

Ron Wolenty (AT&T Consumer Products)
Indianapolis, IN

From -8529625910292828434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,90f2bc754d78b525
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-07-29 05:33:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1.chuqui 4/7/84; site apple.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!apple!johan
From: johan@apple.UUCP (Johan Strandberg)
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <139@apple.UUCP>
Date: Sun, 29-Jul-84 08:33:02 EDT
Article-I.D.: apple.139
Posted: Sun Jul 29 08:33:02 1984
Date-Received: Mon, 30-Jul-84 01:33:57 EDT
References: <177@dicomed.UUCP>, <1040@wateng.UUCP> <232@cubsvax.UUCP>
Organization: Apple Education Research Group, Cupertino CA
Lines: 8

Unisoft makes a UNIX for the Lisa. Currently they have been shiping
System III and are soon (if not allready) shiping System V.

Johan Strandberg
Apple Computer Education Research Group [ERG]
{mtxinu,dual,nsc,voder}!apple!johan

From -7833372789712057550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4ee8dd6bd5cd4e3d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-29 09:52:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Changing a System font(like monaco)
Message-ID: <1086@hao.UUCP>
Date: Sun, 29-Jul-84 12:52:40 EDT
Article-I.D.: hao.1086
Posted: Sun Jul 29 12:52:40 1984
Date-Received: Tue, 31-Jul-84 00:33:24 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 88

[HOO, BOY]

So, there I was, with the Font Editor newly in my possesion, having spent the last several months getting sick of not being able to tell the difference between a 0 and a O, or a I and a l. AHA, says I, I will edit the Monaco Font and cross that zero and serif that I. So I did. Then I tried to install it in the system file. OOPS, Monaco 9 is a system font. Can't remove it with the Font Mover. So I removed it with the Resource Mover, then used the Font Mover to put the new font in. Started feeling good. Then I noticed that the System File I was using was one of the old ones. No Matter, says I, I will just do it again on one of the New System Files. Ho HO. It seems that the Resource Mover will not allow you to modify the System FIle if you happen to have booted with the new System File. So I booted under the old System File, renamed the new System File, removed the Monaco Fonts, renamed it once again "System" and stuck the new fonts in.

Here are the steps:

Copy the font editor, resource mover, the new System Folder, and the fonts file that came with the new System Folder to a work disk.

enter the Font Editor, edit the font(you gotta figure that one out for yourself).

install the fonts (I did Monaco 9 & 12)

exit the Font Editor

trash everything except the system file, the fonts file, and the resource manager - empty the trash

DUP the System disk

Reboot with another disk as the startup disk

rename "copy of System Disk" as "foo" (or whatever) (can't do this without the reboot)

copy *OLD* System file and Finder from another disk

reboot with work disk as startup disk

use resource mover to clear Monaco fonts from "foo" (Monaco fonts are 512, 521, & 524)

exit resource mover

reboot with some other disk as startup disk

trash system file on work disk - empty trash

rename "foo" as "System"

Use Fontmover to move new Monaco fonts into System

reboot from workdisk

copy System file to destination disk

test with macTEP and Macwrite

jubilate

copy System file to *ALL* your disks

Notice that Macterminal is still using the old font (I just now noticed)

Back to the resource mover...

>>>>>>NOTE<<<<<<<<<
The utilities from the software supplement may work great on a Lisa (don't know, don't got one) but on the Mac, they have a way of crashing the system and/or trashing the disks. SO, don't use them on anything valuable, and BACKUP, BACKUP, BACKUP!!

Disclaimer: There is no guarantee that this procedure will work for you. In fact there is no guarantee that this procedure worked for me. All I know is that I can run MacTEP (and expect to run Macterminal) and see crossed 0's and serifed I's. If you have any problems, give me a call, and let's talk about it.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -7375999989477633569
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26809c9fb46b254f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-29 11:49:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!mhuxi!charm!web
From: web@charm.UUCP (James Gittelson)
Newsgroups: net.micro.apple
Subject: Re: [Apple 128K Boards for sale]
Message-ID: <419@charm.UUCP>
Date: Sun, 29-Jul-84 14:49:23 EDT
Article-I.D.: charm.419
Posted: Sun Jul 29 14:49:23 1984
Date-Received: Mon, 30-Jul-84 01:27:57 EDT
References: <418@rochester.UUCP>
Organization: Physics Research - AT&T Bell Labs MH
Lines: 15

I have 128K Boards for the Apple][,][+, and
Apple][E for sale.

cost is $200.00

please send your money order or certified
check to the following address:

                James Gittelson
                 357 Hobart Avenue
                 Short Hills
                 New Jersey, 07078

Allow time for personal checks to clear.
If you have anyquestions, please send me mail.

From -3655920568833238000
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,82b5f757a11183f1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-29 16:37:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hao!ward

From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Changing macterminals's font
Message-ID: <1087@hao.UUCP>
Date: Sun, 29-Jul-84 19:37:58 EDT
Article-I.D.: hao.1087
Posted: Sun Jul 29 19:37:58 1984
Date-Received: Tue, 31-Jul-84 00:34:39 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 15

[]
The "Monaco" font resources in Macterminal 0.15 are numbered -16375 & -16384
To replace them, renumber them, move the Monaco font resources numbered
521 & 512 and renumber them -16375 & -16384 respectively.
Remember that -84 is smaller than -75.
Every time I tried to get rid of the old fonts, the resource mover would
crash, ruining the macterminal file. So I just left them there with "random"
numbers.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 4745050563813803166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14eb49,4c15f9554759bd53,start
X-Google-Attributes: gid14eb49,public
X-Google-Thread: 1622d3,4c15f9554759bd53,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-30 06:52:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: ont.micro.mac,net.micro.apple
Subject: Codes for MacTalk
Message-ID: <1006@dciem.UUCP>
Date: Mon, 30-Jul-84 09:52:45 EDT
Article-I.D.: dciem.1006
Posted: Mon Jul 30 09:52:45 1984
Date-Received: Mon, 30-Jul-84 11:42:03 EDT
Organization: D.C.I.E.M., Toronto, Canada
Lines: 37

The ARPABET for MACTalk
 Arpabet character codes: adjusted to correspond to
phonetic codes of MacTalk (Not guaranteed complete, but these work).

```
 Vowels
 IY bEAt   IH  bIt   EY bAIt   EH bEt   AE  bAt
 AA bOb   AH bUt   AO bOUGHt   OH fOUr   OW bOAt
 UH bOOk   UW bOOt   AX About   IX rosEs   ER bIRd
 AW dOWn   AY bUY   OY bOY   Y  You

 Semivowels and nasals
 R Rent   L Let    W Wit   M Met   N Net   NX siNG

 Stops
 P Pet   T  Ten   K Kit   B Bet   D  Debt   G Get

 Fricatives
 /H Hat   F Fat   TH  THing   S Sat   SH SHut
 V Vat   DH THat   Z Zoo   ZH aZure   CH CHurch
 J Judge   WH WHich

 Miscellaneous
 UL battLE   UM bottOM   UN buttON   DX  baTTer   Q glottal stop
 - silence

 0 to 9 as a single digit can be entered after any vowel as a stress marker.
       Stress alters pitch, intensity and length of the vowel.
 # ends the whole utterance.  As it silences the sentence in which it occurs,
      it usually follows a period.
 Parentheses () seem to get the words inside them to be spoken as a continuous
      group, rather than having a tiny gap between words.
 Period and comma indicate different pauses and intonation contours,
      appropriate to their normal punctuation usage in sentences.
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt


From -3025671257637762262
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45ee6ca52c09aada,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-30 11:30:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watrose.UUCP
Path: utzoo!watmath!watrose!cfpleong
From: cfpleong@watrose.UUCP (Peter)
Newsgroups: net.micro.apple
Subject: Interface Mac to Vax 11/780 without using modem
Message-ID: <6893@watrose.UUCP>
Date: Mon, 30-Jul-84 14:30:47 EDT
Article-I.D.: watrose.6893
Posted: Mon Jul 30 14:30:47 1984
Date-Received: Tue, 31-Jul-84 00:37:30 EDT
Organization: U of Waterloo, Ontario
Lines: 6
```

Does anybody knows how to interface the Mac to Vax 11/780
(Unix 4.2BSD) without the use of a modem?

Can I just connect the RS-232C from the Vax 11/780 to
the Mac?

From -2156246584793014031
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,56bac7c7f453e5ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-31 19:52:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
mcnc!ecsvax!ginkgo
From: ginkgo@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple /// termcap wanted
Message-ID: <3030@ecsvax.UUCP>
Date: Tue, 31-Jul-84 22:52:27 EDT
Article-I.D.: ecsvax.3030
Posted: Tue Jul 31 22:52:27 1984
Date-Received: Sat, 4-Aug-84 01:24:36 EDT
Lines: 8

Anybody got a termcap for an Apple /// ? I'd very much like to have one or
information as to where one might be found. Thanks in advance for any info.

Geary Morton
U.N.C. Center for Public Television
P.O. Box 5546
Raleigh, NC 27650
Tel#919/737-2853

From -6093522673043783033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f665e74f86a5cb5b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-31 20:52:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hao!seismo!
rochester!HKAUTZ@SRI-AI.ARPA
From: HKAUTZ@SRI-AI.ARPA@rochester.UUCP (HKAUTZ@SRI-AI.ARPA)
Newsgroups: net.micro.apple
Subject: lisa
Message-ID: <521@rochester.UUCP>
Date: Tue, 31-Jul-84 23:52:00 EDT
Article-I.D.: rocheste.521
Posted: Tue Jul 31 23:52:00 1984
Date-Received: Sat, 4-Aug-84 00:35:58 EDT

Sender: daemon@rochester.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 12

From: HKAUTZ@SRI-AI.ARPA
A friend of mine is considering buying a Lisa or MacIntosh. He's
a business person, knows nothing about computing, and wants the
usual word processing, spreadsheets, graphs, database stuff. I'd
like to hear from people with first hand experience with the
Lisa: Is it easy for naive users as the Mac? Is the Apple
software all top quality? Is there any good software for Lisa
other than the standard package? Major problems/regrets? Would
you take it over the Mac if $ weren't a major factor?
mail replies to -- henry@rochester
Thanks.

From 5815069745419472353
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14eb49,7a5cddadeedffb7e,start
X-Google-Attributes: gid14eb49,public
X-Google-Thread: 159752,7a5cddadeedffb7e,start
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,7a5cddadeedffb7e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-01 10:12:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: ont.micro.mac,net.micro.apple,net.sources
Subject: Text Editor for MAC posted to net.sources
Message-ID: <1016@dciem.UUCP>
Date: Wed, 1-Aug-84 13:12:42 EDT
Article-I.D.: dciem.1016
Posted: Wed Aug 1 13:12:42 1984
Date-Received: Wed, 1-Aug-84 15:27:47 EDT
Organization: D.C.I.E.M., Toronto, Canada
Lines: 17

I acquired from SUMEX through a friend the "freeware" text editor
called FILE, in .dl (tohex) format. It is very useful for general
editing as opposed to word-processing. It even can be used to make
MacTalk documents. Since it was not generally available to Usenet
readers unless they could FTP from SUMEX, and has no distribution
restrictions, I have posted it and an associated help document
to net.sources.

I have tested it only very briefly (downloaded, ran fromhex on it,
fired it up and did a bit of editing), but there seems no reason
to believe that it does not work as advertised. Try it!

Thanks to John W Peterson for making the program available.
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -7353198876035915404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,fe0299108608988e,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,fe0299108608988e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-01 16:19:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
sdccs6!ix255
From: ix255@sdccs6.UUCP (John Antypas)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Need info on new megabyte floppies for Apple
Message-ID: <1670@sdccs6.UUCP>
Date: Wed, 1-Aug-84 19:19:09 EDT
Article-I.D.: sdccs6.1670
Posted: Wed Aug 1 19:19:09 1984
Date-Received: Sun, 5-Aug-84 01:08:17 EDT
Organization: John Antypas @ UCSD
Lines: 1

I have seen ads for new drives with a megabyte of disk capacity. (Made by Teac
and Mitsubishi). They claim they can work with existing controllers. They use
something called the J format. Has anyone else ever used one of these things
before. Has anyone ever used one with an Apple before? All responces would be
appreciated.

From -7476446787922707309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1bcbd5610f6f47d2,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14eb49,1bcbd5610f6f47d2,start
X-Google-Attributes: gid14eb49,public
X-Google-ArrivalTime: 1984-08-01 18:22:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro.apple,ont.micro.mac
Subject: status of MacTalk
Message-ID: <1017@dciem.UUCP>
Date: Wed, 1-Aug-84 21:22:26 EDT
Article-I.D.: dciem.1017
Posted: Wed Aug 1 21:22:26 1984

Date-Received: Wed, 1-Aug-84 22:51:45 EDT
Organization: D.C.I.E.M., Toronto, Canada
Lines: 10

Does anyone know whether any version of MacTalk is or is not redistributable?
It appeared on the same disk as the original of the text editor known as
"File", which is public domain, and is by the same author, so I wonder
if it is also freely redistributable over the net. Several people
have asked.
--

Martin Taylor
{allegra,linus,ihnp4,floyd,ubc-vision}!utzoo!dciem!mmt
{uw-beaver,qucis,watmath}!utcsrgv!dciem!mmt

From -694845552382442250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,890833b3a0351c80,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-02 03:08:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!bmcg!cepu!hao!ward
From: ward@hao.UUCP
Newsgroups: net.micro.apple
Subject: Re: Macintosh C compiler
Message-ID: <1091@hao.UUCP>
Date: Thu, 2-Aug-84 06:08:31 EDT
Article-I.D.: hao.1091
Posted: Thu Aug 2 06:08:31 1984
Date-Received: Fri, 3-Aug-84 05:22:25 EDT
References: <1483@proper.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 17

[]
> P.S. Could someone help me with Font Editor and Resource Mover? I have
> edited Geneva-12 but get crashes when I try Geneva-24 or New York-36.

The Mac runs out of memory after fonts reach a certain size. When I tried
to install New York-36 I got a System error 25, which means out of memory.
New York-36, according to the font mover, is over 13K. If I had to edit
that font, and didn't have a Lisa, I would break it into two halves and
give each a half-name like New Y-36 and N York-36 (I haven't tried this,
it's just an idea).

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 6744436564013689846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,288a0632ba4c0645,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-02 11:57:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!down!eosp1!byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: mFinder
Message-ID: <1041@eosp1.UUCP>
Date: Thu, 2-Aug-84 14:57:15 EDT
Article-I.D.: eosp1.1041
Posted: Thu Aug 2 14:57:15 1984
Date-Received: Sat, 4-Aug-84 00:28:19 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 16

Does anyone have a copy of mFinder. I have been using mine and it works
fine for launching applications on the same disk as mFinder is on. When
I try to launch an application on a disk other than the original mFinder
disk, the program gives me an ID=26 error system crash corresponding to
a bad program launch. Any hints anyone? Mail me and I'll post
summary.....

------------------------------------<bh>-------------------------------------
In-Real-Life: Byron Han   USENET: allegra!princeton!eosp1!byron

           Exxon Office Systems BITNET: 6017040@PUCC (out of money)
           500 College Road East   TS2552@OHSTVMA (I'm not there)
           Princeton, NJ 08540
           609-734-9200 ext. 229

From -4224141279714733799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,713d48aee87f79de,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 129c11,713d48aee87f79de,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,713d48aee87f79de,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-02 16:48:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!intelca!cem
From: cem@intelca.UUCP (Chuck McManis)
Newsgroups: net.micro,net.micro.apple,net.micro.68k
Subject: Info-Mac access

Message-ID: <366@intelca.UUCP>
Date: Thu, 2-Aug-84 19:48:25 EDT
Article-I.D.: intelca.366
Posted: Thu Aug 2 19:48:25 1984
Date-Received: Sat, 4-Aug-84 02:39:36 EDT
Distribution: net
Organization: Intel, Santa Clara, Ca.
Lines: 10

For usenet people : To post news to info-mac send news/mail to
...!uw-beaver!info-mac to read it look at fa.info-mac, to flame
send it to dev/null.

--
-- Chuck   - - - D I S C L A I M E R - - -
{ihnp4,fortune}!Dual\   All opinions expressed herein are my
        {proper,idi}-> !intelca!cem   own and not those of my employer, my
 {ucbvax,hao}!hplabs/   friends, or my avacado plant. :-}
                             ARPAnet   : "hplabs!intelca!cem"@Berkeley

From -4302082162007141352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e47b97a2f4ef334,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-02 19:53:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-ngp.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!hplabs!hao!seismo!ut-sally!ut-
ngp!anthro
From: anthro@ut-ngp.UUCP (Michael Fischer)
Newsgroups: net.micro.apple
Subject: Re: 50 Hz Apple][
Message-ID: <812@ut-ngp.UUCP>
Date: Thu, 2-Aug-84 22:53:07 EDT
Article-I.D.: ut-ngp.812
Posted: Thu Aug 2 22:53:07 1984
Date-Received: Sun, 5-Aug-84 05:11:31 EDT
References: <588@sri-arpa.UUCP>
Organization: Comp. Center, Univ. of Texas at Austin
Lines: 8

<>
One further note: If you're content with no color and some black space
above and below the display, a PAL monitor will do fine. I had no problems
running the apple and drive all over asia at 50 hz. Contrary to a recent
(rather nasty) reply about printers I also had no problems running several
60hz printers during a period of two years at medium duty (50-100 pgs/day).

Michael Fischer anthro@ut-ngp

From 4426527322339548518

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2de11bdd5c4167ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-03 08:57:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Public Domain Software for Apple][
Message-ID: <185@ssc-bee.UUCP>
Date: Fri, 3-Aug-84 11:57:28 EDT
Article-I.D.: ssc-bee.185
Posted: Fri Aug 3 11:57:28 1984
Date-Received: Sat, 4-Aug-84 04:05:55 EDT
Organization: Boeing Aerospace, Seattle
Lines: 21

    ==
    Public domain software is now available from:

        Computer Learning Center
        P.O. Box 45202
        Tacoma, WA 98445

    They accept check, money order, VISA/MC.
    Price is $4/volume. WA state residents add 7.8%.

    (This appears to be another branch of the group that
    publishes Hardcore.)

    The free catalog I received lists 97 in categories
    such as Apple Tutor, Art/Graphics, Astronomy,
    Aviation, Business/Finance, Chemistry, Electornics,
    Games, more Games, Math & Stat, Music, Passion!,
    Utility. Also, there are another 65 volumes of
    EAMON adventures (my favorite).

    Mike Eve

From -9168888102490680675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df02a867065b1653,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14eb49,df02a867065b1653,start
X-Google-Attributes: gid14eb49,public
X-Google-ArrivalTime: 1984-08-03 09:21:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt

From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro.apple,ont.micro.mac
Subject: Macget on V7 UNIX?
Message-ID: <1022@dciem.UUCP>
Date: Fri, 3-Aug-84 12:21:59 EDT
Article-I.D.: dciem.1022
Posted: Fri Aug 3 12:21:59 1984
Date-Received: Fri, 3-Aug-84 14:17:40 EDT
Organization: D.C.I.E.M., Toronto, Canada
Lines: 34

Has anyone run macget successfully on a V7 system? I have converted
macput (details below) and it is just fine, but macget transfers an
undetermined number of packets before getting to a state where it
does 10 retries and then hangs up (kicks me off the UNIX system).
Sometimes I can transmit 4k (at 300 baud), sometimes zero.
On the 4.2BSD Vax, macget works perfectly as far as I can tell.
It is on the Perkin-Elmer 3242 (32-bit machine) and the PDP-11 (16-bit
machine) under V7 that this indeterminate behaviour occurs.

I have tried setting the file transfer parameters in MacTerminal (-0.15x)
to put various time gaps between lines and between characters in case
the problem was the V7 system getting behind, but it makes no difference.

Changes made to the 4.2BSD version:
Line 4: #include <sys/ioctl.h> --> #include <sgtty.h>
Add: #define rename(x,y) link(x,y);unlink(x)

(The above change macget to its state on the 32-bit Perkin-Elmer,
and are the changes required for changing to 4.1 also, according
to utzoo!peterr)

For the PDP-11, a couple of "int" declarations had to be changed
to "long". These are in struct macheader, m_datalen and m_rsrclen

Changes to macput.c that seem to work are parallel:
change sys/ioctl.h and (for 16-bit machines) the declarations
of macheader.m_datalen and m_rsrclen. Also, the last function
in the listing, put4, requires "value" to be declared "long"
instead of "int". "rename" is not used in macput.c
--

Martin Taylor
{allegra,linus,ihnp4,floyd,ubc-vision}!utzoo!dciem!mmt
{uw-beaver,qucis,watmath}!utcsrgv!dciem!mmt

From 6905587139697460771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,890833b3a0351c80
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-03 15:02:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadlab.UUCP
Path: utzoo!linus!decvax!tektronix!teklds!dadlab!eval
From: eval@dadlab.UUCP (Evaluation)
Newsgroups: net.micro.apple
Subject: This is a test
Message-ID: <128@dadlab.UUCP>
Date: Fri, 3-Aug-84 18:02:13 EDT
Article-I.D.: dadlab.128
Posted: Fri Aug 3 18:02:13 1984
Date-Received: Sun, 5-Aug-84 07:43:39 EDT
References: <1483@proper.UUCP>, <1091@hao.UUCP>
Organization: Tektronix, Beaverton OR
Lines: 4

This is just a test.

stl

From 985418778718984349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25d074148f700da,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-04 08:28:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!hplabs!sri-unix!
KSPROUL@RUTGERS.ARPA
From: KSPROUL@RUTGERS.ARPA
Newsgroups: net.micro.apple
Subject: Re: Prodos flame
Message-ID: <743@sri-arpa.UUCP>
Date: Sat, 4-Aug-84 11:28:55 EDT
Article-I.D.: sri-arpa.743
Posted: Sat Aug 4 11:28:55 1984
Date-Received: Mon, 6-Aug-84 01:04:00 EDT
Lines: 9

About ProDOS formatting, If you are a ProDOS developer, you can get
from apple source code to their format routine. It comes with nonsence
labels, NO comments, and MUST be assembled starting on a page boundry
for timing constraints...

Keith Sproul
Ksproul@Rutgers.arpa

From 5685032233662674955
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e04a50a1882c1ca2,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-08-05 00:23:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-beaver
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
furuta
From: furuta@uw-beaver (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Macpaint question
Message-ID: <1403@uw-beaver>
Date: Sun, 5-Aug-84 03:23:22 EDT
Article-I.D.: uw-beaver>.1403
Posted: Sun Aug 5 03:23:22 1984
Date-Received: Mon, 6-Aug-84 01:22:44 EDT
Organization: U of Washington Computer Science
Lines: 11

The July-August MacWorld contains a picture by someone who says part of it
was created by flipping a copy of an image vertically. This is something
I've unsuccessfully tried to figure out how to do. How is it done?

--Rick

...decvax!uw-beaver!furuta (uucp)
...ucbvax!lbl-csam!uw-beaver!furuta
...ihnp4!uw-beaver!furuta
or
Furuta@Washington (ARPAnet)

From 3964867733890344247
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,11971e1007b77e0a,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,11971e1007b77e0a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-05 20:41:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harvard.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!harvard!breuel
From: breuel@harvard.ARPA (Thomas M. Breuel)
Newsgroups: net.micro.68k,net.micro.apple
Subject: 68000 inconsistency
Message-ID: <5@harvard.ARPA>
Date: Sun, 5-Aug-84 23:41:33 EDT
Article-I.D.: harvard.5
Posted: Sun Aug 5 23:41:33 1984
Date-Received: Wed, 8-Aug-84 00:17:19 EDT
Organization: Aiken Computation Lab, Harvard
Lines: 35

Consider these two short pieces of 68000 Assembly language:

(1) 1000 MOVE.L #$04001008,A0   (2) 1000 JMP #$04001006,A0

```
    1006 JMP (A0)          1006 LEA *-6,A0
    1008 LEA *-8,A0             ...
    ...
```

One would expect (at least I did) A0 to contain the same value after both LEA instructions. Reality on the 68000 (I tried it on a LISA and a Mac) is different, though. In case (1), A0 contain $04001000, and in case (2), A0 contains $00001000. I find this behaviour inconsistent. Apparently, the program counter actually gets set to the 32bit number in the first case, whereas only 24 bits are used in the second case.

This feature is particularly noticable on the LISA and the MacIntosh, on which most addressing is done PC-relative to make code position-independent: PC-relative instructions use the whole 32 bits of the program counter, and PC-relative jumps and jsr's preserve the highest 8 bits, so that any setting of the 8 msb is preserved through long sections of a program. The LISA/MacIntosh debugger, MWLB, however, clears those 8 bits. Altogether, this can create pretty obscure bugs.

[The way I discovered this feature was when working on my "Infinite Improbability Lisp Interpreter" for the MacIntosh: certain functions called by the evaluator failed mysteriously, but only if they did not contain debugger trace points. The RTS instruction at the end of these subroutines restored the program counter to normality... If one of these functions called the panic routine, though, all of a sudden the reader and the interpreter would not recognise LISP anymore. Maybe I should have chosen another name for the thing.]

Thomas M. Breuel
...{genrad!wjh12!tardis,allegra!harvard}!gallifrey!tmb

From 2567198306480750483
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6452303775bdcc59,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-05 20:59:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Modified macput.c for System V
Message-ID: <295@aluxe.UUCP>
Date: Sun, 5-Aug-84 23:59:05 EDT
Article-I.D.: aluxe.295
Posted: Sun Aug 5 23:59:05 1984
Date-Received: Mon, 6-Aug-84 04:27:59 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 30

[]

Following is a "diff" of the new Beta macput.c submitted to fa.info-mac with
a slightly modified version to run on System V UNIX.

Many thanks to those who have been posting Mac sources to the net.

```
diff posted_macput.c  modified_macput.c
8d7
< #include <sys/timeb.h>
186c185,186
<    struct timeb tbuf;
---
>    long tbuf;
>    extern long timezone;
234,236c234,236
<        ftime(&tbuf);
<        tp = localtime(&tbuf.time);
<        tdiff = TIMEDIFF - tbuf.timezone * 60;
---
>        time(&tbuf);
>        tp = localtime(&tbuf);
>        tdiff = TIMEDIFF - timezone;
```

Lonnie Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From 5180205851252940725
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45ee6ca52c09aada
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-06 05:54:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!seismo!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Re: Interface Mac to Vax 11/780 without using modem
Message-ID: <1102@hao.UUCP>
Date: Mon, 6-Aug-84 08:54:30 EDT
Article-I.D.: hao.1102
Posted: Mon Aug 6 08:54:30 1984
Date-Received: Tue, 7-Aug-84 05:20:53 EDT
References: <6893@watrose.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 15

[]
You can connect the RS-232 port directly to the serial port of the Mac.
Of course you'll need a special cable (as if there were such a thing as

a standard RS-232 cable). Use the pinouts found in macTEP, but swap
pins 2 & 3 on the DB-25 side. You might also have to connect pin 2 (+5v)
on the DB-9 to pin 6 (Data Set Ready) on the DB-25. As in all cases when
connecting two devices for the first time, be prepared to experiment.

--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
ARPA: hplabs!hao!sa!ward@Berkeley
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 4979452200083171251
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7919fae396979b6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-06 11:56:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site digi-g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!stolaf!umn-cs!digi-g!brian
From: brian@digi-g.UUCP (Brian Westley)
Newsgroups: net.micro.apple
Subject: raw mouse input for Mac?
Message-ID: <200@digi-g.UUCP>
Date: Mon, 6-Aug-84 14:56:56 EDT
Article-I.D.: digi-g.200
Posted: Mon Aug 6 14:56:56 1984
Date-Received: Thu, 16-Aug-84 03:34:07 EDT
Organization: DigiGraphic Systems Corp., Mpls. MN
Lines: 11

(null)

Does anyone out there know how to get raw mouse input for the Mac?
The OS calls give you the cursor position on the screen, but if the cursor
is on the left hand side of the screen and you move the mouse left, no
movement is detected. I need the delta x & y info. Alternatively, is there
a way to set the cursor position? The toolbox stuff says there is no
easy way; how about a difficult way?

<"What has happened to your NOSE!?">
                            Merlyn Leroy

From -778708330695755659
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ceb212ebdc7da15,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-06 14:40:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadlab.UUCP

Path: utzoo!linus!decvax!tektronix!teklds!dadlab!eval
From: eval@dadlab.UUCP (Evaluation)
Newsgroups: net.micro.apple
Subject: Apple II Communications Programs
Message-ID: <129@dadlab.UUCP>
Date: Mon, 6-Aug-84 17:40:45 EDT
Article-I.D.: dadlab.129
Posted: Mon Aug 6 17:40:45 1984
Date-Received: Thu, 9-Aug-84 01:04:37 EDT
Organization: Tektronix, Beaverton OR
Lines: 9

I am thinking of buying "TERMEXEC" communications program
by EXEC Software. Does anyone have anything good or bad
to say about it or any other communications program for
the Apple II+(Data Capture, ASCII Exp. Pro, Etc).

Thanks
Steve Lindeman
Tektronix
Beaverton, Or.

From -9177526108932051408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22e36956f0219211,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-06 15:55:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site ptsfa.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!ptsfa!matt
From: matt@ptsfa.UUCP (Matt Blum)
Newsgroups: net.micro.apple
Subject: printers for the Macintosh
Message-ID: <247@ptsfa.UUCP>
Date: Mon, 6-Aug-84 18:55:22 EDT
Article-I.D.: ptsfa.247
Posted: Mon Aug 6 18:55:22 1984
Date-Received: Wed, 8-Aug-84 19:15:38 EDT
Distribution: net
Organization: Pacific Bell, San Francisco
Lines: 12

This is in reply to my own query about letter-quality printers
for the Macintosh. Since I wrote my article, I learned
1) 47th St. Photo offers a cable to hook up the Mac to a
   Brother printer. The adapter costs about $100. I know
   nothing about it.
2) TTX Incorporated, 3420 East Third Ave., Foster City,
   CA 94404   (415) 341-1300, sells a daisy wheel printer
   (claiming 12 cps at 10 pitch) and an adapter for the
   Macintosh. I have not seen it in action and have no idea how
   good it is.

Matt Blum Pacific Bell (415) 545-9958 (usual disclaimers)

From -7213147598673704086
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,890833b3a0351c80
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-06 23:24:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site charm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!mhuxi!charm!web
From: web@charm.UUCP (James Gittelson)
Newsgroups: net.micro.apple
Subject: Re: 128K cards for Apple][,][+,][E on sale now!
Message-ID: <426@charm.UUCP>
Date: Tue, 7-Aug-84 02:24:43 EDT
Article-I.D.: charm.426
Posted: Tue Aug 7 02:24:43 1984
Date-Received: Wed, 8-Aug-84 19:24:09 EDT
References: <1483@proper.UUCP>, <1091@hao.UUCP>, <128@dadlab.UUCP>
Organization: Physics Research - AT&T Bell Labs MH
Lines: 27

Apple 128K ram boards are now for sale for you Apple][series computer!

These boards contain 128K of of memory which give a
64K apple, a total of 192K!

This is perfect for use as a ram disk with Pascal, DOS, and CPM.

Please feel free to send me mail for any additional information.

send slow mail with questions to:

James Gittelson
MH 1b-413
Bell Laboratories
600 Mountain avenue
Murray Hill, New Jersey
07974

Please send your check or money order to the following address:

James Gittelson
357 Hobart Avenue
Short Hills, New Jersey
07078

mh & ho. people can call me ext:2724.

From -3261960579903353271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,6c142e90e583c79e,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,6c142e90e583c79e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-07 06:22:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: PCPI Appli-Card(tm) Drivers
Message-ID: <816@ihuxp.UUCP>
Date: Tue, 7-Aug-84 09:22:59 EDT
Article-I.D.: ihuxp.816
Posted: Tue Aug 7 09:22:59 1984
Date-Received: Wed, 8-Aug-84 19:33:02 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 33

The PCPI Appli-Card(tm) is a versatile CP/M(tm) card for
the Apple II (or IIe). Using the OEM software that can be obtained from
PCPI, one can write special purpose "drivers" that down load into the
Apple at boot time. The card comes with a standard set of drivers for
controlling the console, printer, etc. Supposely these drivers can be
relocatable or can be loaded into an absolute location at boot time.

Now to my question for those of you who have a PCPI Appli-Card...

I have been able to write a relocatable driver that allows one to call a
subroutine in the apple. Yes I know that there is a general command for
doing this, but sometimes values have to be placed in the X, Y, and/or A
registers before calling the subroutine (eg., calling some of the
graphics subroutines in the Applesoft ROMs)--and that's what my driver
does.

My question is: I am trying to make the driver so that it loads in an
absolute address (eg., at $4000 just above Hi-Res page 1). I cann't get
it to work--my system hangs when I boot it with this driver installed as
an absolute loading driver (It works great as a relocatable driver.).

Can anyone give me a hint???

     Thanks!
     George V. Wilder
     ihnp4!ihuxp!gvw1
     1 (312) 979-1937
--

          George V. Wilder

ihnp4!ihuxp!gvw1

From 2897653061012776543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45ee6ca52c09aada
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-07 06:43:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro.apple
Subject: Re: Interface Mac to Vax 11/780 without using modem
Message-ID: <1030@dciem.UUCP>
Date: Tue, 7-Aug-84 09:43:26 EDT
Article-I.D.: dciem.1030
Posted: Tue Aug 7 09:43:26 1984
Date-Received: Tue, 7-Aug-84 14:18:34 EDT
References: <1102@hao.UUCP>
Organization: D.C.I.E.M., Toronto, Canada
Lines: 20

****
You can connect the RS-232 port directly to the serial port of the Mac.
Of course you'll need a special cable (as if there were such a thing as
a standard RS-232 cable). Use the pinouts found in macTEP, but swap
pins 2 & 3 on the DB-25 side. You might also have to connect pin 2 (+5v)
on the DB-9 to pin 6 (Data Set Ready) on the DB-25. As in all cases when
connecting two devices for the first time, be prepared to experiment.

Michael Ward, NCAR/SCD
****
I haven't found it necessary to alter the pin connections. The same cable
works fine. Maybe it is a question of selecting the right "Communication"
parameters out of the "Settings" menu in MacTerminal. Use "Other Computer"
rather than "Modem".
--

Martin Taylor
{allegra,linus,ihnp4,floyd,ubc-vision}!utzoo!dciem!mmt
{uw-beaver,qucis,watmath}!utcsrgv!dciem!mmt

From -1456851354292062619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6930f24df17942ed,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-07 12:09:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site analog.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!

tektronix!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: Information on MAC programs requested
Message-ID: <142@analog.UUCP>
Date: Tue, 7-Aug-84 15:09:42 EDT
Article-I.D.: analog.142
Posted: Tue Aug 7 15:09:42 1984
Date-Received: Fri, 10-Aug-84 02:22:49 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 10

In many postings to fa.info-mac, one can see references to programs like fromhex, tohex, SUMACC, etc. *IS* it possible to get these programs if one is not affiliated with a consortium university (which is where I am assuming these come from)? If so, how (and how much?).

Kim Helliwell
{menlo70,hplabs}!analog!kim

From -8547532195796595721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,617cb62f36757e4c
X-Google-Attributes: gid159df4,public
X-Google-Thread: 15517a,617cb62f36757e4c
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15e263,617cb62f36757e4c
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,617cb62f36757e4c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-07 12:29:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site auvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!alberta!auvax!martin
From: martin@auvax.UUCP (Don Martin)
Newsgroups: net.micro.68k,net.micro.apple,net.micro.pc,net.micro.cpm
Subject: Re: SuperMicro - Dimension 68000
Message-ID: <437@auvax.UUCP>
Date: Tue, 7-Aug-84 15:29:11 EDT
Article-I.D.: auvax.437
Posted: Tue Aug 7 15:29:11 1984
Date-Received: Sun, 12-Aug-84 01:04:22 EDT
References: <1607@sdccs6.UUCP>
Organization: Athabasca U, Alberta
Lines: 20

> For those of you who don't know, there is an article about this
> marvellous machine in the August (I think) issue of Computing Now!.

What they describe is truely a great machine. It can be just about whatever you want it to be. Plug in a 6502 board and it is an Apple, moreso than a lot of the lookalikes/workalikes/clones etc. It supports all of the Apple calls to monitor routines (Also runs Zaxon which apparently the clones don't do so well). Plug in an 8088 and you have an IBM PC that runs like an IBM. Or run the software that has been designed for it.

Obviously, you pay the price for this technology, you could buy an actuall Apple or IBM PC for less than the Dimension but of course then you wouldn't have the versatility.

Don Martin (auvax!martin)
Athabasca University

From 4831049326571358640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,960bc03e30c17c0e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-08 19:04:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hou2e.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hou2e!rs173
From: rs173@hou2e.UUCP (R.SILVER)
Newsgroups: net.micro.apple
Subject: Buffering of printer between Apple and unix
Message-ID: <240@hou2e.UUCP>
Date: Wed, 8-Aug-84 22:04:31 EDT
Article-I.D.: hou2e.240
Posted: Wed Aug 8 22:04:31 1984
Date-Received: Thu, 9-Aug-84 04:55:40 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 21

>
II recently aquired a Transend Modemcard for my apple, and have logged
> onto unix from a remote location succesfully. However, when using my
e> epson mx80 printer/grappler card interface, I lose the first few
c> characters of every line unix sends.
>
T>This does not occur on bulletin-board systems that permit buffering
> after each carriage return. Is this possible on unix? (My modem is
3>300 baud)
>
I> Is there a way to optimize my apple/transend/unix interface ?
>
>   Any suggestions greatly appreciated !
>
>   Thanks in advance,
>
>   Ron Silver   ....hou2e!rs173

>   AT&T_CP Holmdel 1E-609
>   (201)842-4265
>
p> ps. my apple can print lower case (uses franklin roms)

From 6611873381147802816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ceb212ebdc7da15
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-08 20:36:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1+some 2/3/84; site apple.UUCP
Path: utzoo!linus!decvax!decwrl!sun!idi!apple!richard
From: richard@apple.UUCP (Richard Johnson)
Newsgroups: net.micro.apple
Subject: Re: Apple II Communications Programs
Message-ID: <140@apple.UUCP>
Date: Wed, 8-Aug-84 23:36:52 EDT
Article-I.D.: apple.140
Posted: Wed Aug 8 23:36:52 1984
Date-Received: Fri, 10-Aug-84 07:55:43 EDT
References: <129@dadlab.UUCP>
Organization: Apple Education Research Group, Cupertino, CA
Lines: 12

[manges-moi]

I have not heard much about other communications programs for the][+,
but having used ASCII Express Pro for awhile I can say with relative
safety that you probably won't find one that is more versatile: file
transfers (both "standard" and Christensen), keyboard macros which can
be hacked into some form of auto-logon, good interfacing woth most
80-column boards and serial cards, etc. It gets my vote.

Richard Johnson   {dual,mtxinu,nsc,voder}!apple!richard

"When the going gets weird, the weird turns pro."

From 1896496014703509697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,11971e1007b77e0a
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,11971e1007b77e0a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-08 23:50:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!linus!decvax!decwrl!sun!gnu
From: gnu@sun.uucp (John Gilmore)
Newsgroups: net.micro.68k,net.micro.apple
Subject: Re: 68000 inconsistency (32 bit addressing)

Message-ID: <1606@sun.uucp>
Date: Thu, 9-Aug-84 02:50:34 EDT
Article-I.D.: sun.1606
Posted: Thu Aug 9 02:50:34 1984
Date-Received: Fri, 10-Aug-84 07:53:08 EDT
References: <5@harvard.ARPA>
Organization: Sun Microsystems, Inc.
Lines: 21

Using the high 8 bits of addresses for flags or other data was
traditional wisdom in the '60s on the IBM 360 but eventually it burned
them. In the '70s when 16MB virtual wasn't enough, they built hardware
that had 31-bit addressing, but it took ANOTHER 10 years (no kidding)
to convert all the software so they could turn the hardware feature
on.

Luckily for most of us we knew when it came out that 24 bits on a 68000
was not enough and avoided playing kludge games.

Don't mess around! An address is 32 bits, and if you depend on the
hardware to ignore the top N bits you will be burned within two years.

Now, the behaviour decribed (68000 jmp long absolute loses the top 8
bits of the jumped-to address) is certainly a bug if it's true. But
your code should never notice since it should never use those bits.
The 68010 chip (which when packaged as a 68012 has 31 address bits)
does not have the bug. I'm sure the 68020, with a 32-bit address bus,
doesn't have the bug either. I don't have a 68000 around to verify
whether current rev 68000's have it.

From 9116551495601297741
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161558ce0d22f049,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-09 07:31:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!bunker!chuck
From: chuck@bunker.UUCP (Chuck Heaton)
Newsgroups: net.micro.apple
Subject: hires_question
Message-ID: <494@bunker.UUCP>
Date: Thu, 9-Aug-84 10:31:29 EDT
Article-I.D.: bunker.494
Posted: Thu Aug 9 10:31:29 1984
Date-Received: Fri, 10-Aug-84 08:18:34 EDT
Lines: 24

     Hi.

     Somewhere, I read about a simple modification to the
Apple II (maybe also II+, IIe, or IIc) that effectively doubled
the horizontal screen resolution for Hi-res graphics. The general

idea was somehow tying the vertical (or horizontal ???) retrace
signal to the 'bit' that selects page 1 / page 2. After making
this modification, which I vaguely recall involved a single
jumper and perhaps a single trace cut, the two 'pages' would
automatically flip upon each vertical (I think) retrace. Although
other effects are also possible, the particular effect that I
was interested in was the above-mentioned doubling of the
horizontal resolution for graphics. All pixels on one page are
done with bit 7 low, and on the other page with bit 7 high (thus
causing the half/pixel horizontal shift. I am not particularly
hardware oriented, although I'm not a complete idiot either. If
anyone knows how or can figure out how to perform this (possibly
warrenty voiding - horrors) modification, could you please post
it to the net or mail it to me directly. In return, I would be
glad to submit (once working) source to replacement 6502 routines
to allow Applesoft (or whatever) to take advantage or this
capability (these routines are fairly easy to write). Thanks.

Chuck Heaton

From 8365460901890087279
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,91aa8dfb58f30a5f,start
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,91aa8dfb58f30a5f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-09 16:15:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oakhill.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!ut-sally!cyb-eng!oakhill!doug
From: doug@oakhill.UUCP (Doug MacGregor)
Newsgroups: net.micro.68k,net.micro.apple
Subject: re:68000 inconsistency
Message-ID: <161@oakhill.UUCP>
Date: Thu, 9-Aug-84 19:15:11 EDT
Article-I.D.: oakhill.161
Posted: Thu Aug 9 19:15:11 1984
Date-Received: Mon, 13-Aug-84 00:22:24 EDT
Organization: Motorola Inc. Austin, Tx
Lines: 12

The 68000 does not lose the upper 8 bits of the
address. Internally all 32-bits are significant on the 68000 regardless
of whether there are 24, 31, or 32-bits of address visible from outside
the chip. The implementation internally is the same for all cases.
I agree completely with the description given by John Gilmore as to the
motivation for not mucking with the address.
It seems highly likely that the culprit may be a program playing games
with those upper bits, it's not the processor.

Doug MacGregor {ihnp4,seismo,gatech,ctvax}!ut-sally!oakhill!doug

From 4325153258290829900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,21bfc4fe80f76e65,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,21bfc4fe80f76e65,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-09 18:07:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site vice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!tekchips!vice!mike
From: mike@vice.UUCP (Mike Mueller)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: MODEM7 program for Apple II+ needed
Message-ID: <21@vice.UUCP>
Date: Thu, 9-Aug-84 21:07:04 EDT
Article-I.D.: vice.21
Posted: Thu Aug 9 21:07:04 1984
Date-Received: Sat, 11-Aug-84 01:45:01 EDT
Organization: Tektronix, Beaverton OR
Lines: 20

Does anyone know where I can find a copy of one of the CP/M
"X-protocol" MODEM programs for an Apple II+ with a SoftCard?
Better yet, does anyone have enough experience with this
combination to offer any application hints?

Obviously, without a file transfer program I need a copy
on an Apple-compatible 5-1/4 inch disk.

Thanks!

--
Mike Mueller

uucp: {decvax,harpo,ihnss,pur-ee,ucbvax,unc,zehntel}!teklabs!vice!mike
ARPA: vice!mike.tek@Rand-Relay
CSnet: vice!mike@tek
US Mail: Mike Mueller, Tektronix, Inc.
Box 500 MS 59-323, Beaverton OR 97077
Phone: (503)627-3187

From 6136591495570190027
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,960bc03e30c17c0e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-10 11:45:27 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucsfcgl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
akgua!mcnc!decvax!ucbvax!ucsfcgl!harrison
From: harrison@ucsfcgl.UUCP (Peter Harrison%MIS)
Newsgroups: net.micro.apple
Subject: Re: Buffering of printer between Apple and unix
Message-ID: <332@ucsfcgl.UUCP>
Date: Fri, 10-Aug-84 14:45:27 EDT
Article-I.D.: ucsfcgl.332
Posted: Fri Aug 10 14:45:27 1984
Date-Received: Tue, 14-Aug-84 01:08:18 EDT
References: <240@hou2e.UUCP>
Organization: Computer Graphics Lab, San Francisco
Lines: 11

This problem of loss of the first few characters also occurs with
some 80 column cards and also the BASIS 108. The reason is that as
the screen scrolls after a new line at the bottom, a few characters get
lost. Often the first character is received and repeated, with the 2nd
and a few more chars lost.

The solution for screen problems is to tell UNIX to do a
stty nl2
You may need to do a stty cr2 for the printer.

Peter Harrison

From -4454519832481401091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,91aa8dfb58f30a5f
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,91aa8dfb58f30a5f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-10 15:57:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harvard.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!harvard!breuel
From: breuel@harvard.ARPA (Thomas M. Breuel)
Newsgroups: net.micro.68k,net.micro.apple
Subject: Re: 68000 inconsistency
Message-ID: <8@harvard.ARPA>
Date: Fri, 10-Aug-84 18:57:38 EDT
Article-I.D.: harvard.8
Posted: Fri Aug 10 18:57:38 1984
Date-Received: Mon, 13-Aug-84 00:25:20 EDT
Organization: Aiken Computation Lab, Harvard
Lines: 43

Doug MacGregor (Motorolas) writes: 'The 68000 does not lose the upper 8
bits of the address'.

Well, my 68000 *does* seem to loose the upper 8 bits when loading an absolute address from memory. Again, consider the following code fragments (they were run as such under LisaBug, and the register contents are what LisaBug reported):

```
1000: 4ef9 ff00 1006    jmp $ff001006
1006: 41fa fffe         lea *,a0

     a0 = $00001006

1000: 227c ff00 1008    move.l #$ff001008,a1
1006: 4ed1          jmp (a1)
1008: 41fa fffe         lea *,a0

     a0 = $ff001008
```

Or is there another explanation?

Thomas.

P.S.: About choice of implementation of type tags: given that the LISP runs on an MacIntosh with very limited memory resources, given that the Mac has a "fixed" architecture and is unlikely to profit from Motorola's corrections to the 68000 (as in the 68010), and given that the LISP performs very well speedwise, I think the choice of putting type tags into the "unused" msb of pointers, and not explicitely stripping them before dereferencing (except for the case of indirect jumps :-) is justified. Since all type reconisers and selectors are defined as macros, this efficiency hack even leaves the program portable. Normally, I prefer partitioning to tagging, but in the case of the MacIntosh there isn't much choice.

Thomas M. Breuel
...{genrad!wjh12!tardis,allegra!harvard}!gallifrey!tmb

From 6662650524708190707
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12306c,1be0aa15577d114e,start
X-Google-Attributes: gid12306c,public
X-Google-Thread: 1622d3,1be0aa15577d114e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-10 16:43:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site dsd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!

akgua!mcnc!decvax!decwrl!amd!fortune!dsd!mush
From: mush@dsd.UUCP (Dave Decker)
Newsgroups: net.micro.apple,net.lang.pascal
Subject: Apple Pascal question
Message-ID: <323@dsd.UUCP>
Date: Fri, 10-Aug-84 19:43:23 EDT
Article-I.D.: dsd.323
Posted: Fri Aug 10 19:43:23 1984
Date-Received: Tue, 14-Aug-84 01:11:57 EDT
Organization: AMPEX DSD, Redwood City, CA.
Lines: 26

If it hasn't been done yet, could someone post the list of bugs fixed
by moving from Apple 1.1 to Apple 1.2? Thanks in advanced.

Right now I'm wondering if this program would compile under 1.2 as
it will not under 1.1.

```
PROGRAM TEST;
TYPE REGISTER = PACKED RECORD
           A  :0..7;
           B  :0..3;
           C  :0..1;
           D  :0..3;
         END;

VAR
  Q  :REGISTER;
  I  :INTEGER;

BEGIN
  MOVELEFT(Q.A, I, 1);
END.
```

Changing the Q.A to simply Q will work on 1.1.

Dave Decker (mush) Ampex Corp Redwood City Ca.

From -6119572112803337494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bdfe9db0682c96cb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-12 15:47:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!linus!decvax!mcnc!akgua!sdcsvax!sdccs6!ix771
From: ix771@sdccs6.UUCP (ix771)
Newsgroups: net.micro.apple
Subject: ProDOS Input
Message-ID: <1693@sdccs6.UUCP>
Date: Sun, 12-Aug-84 18:47:27 EDT
Article-I.D.: sdccs6.1693

Posted: Sun Aug 12 18:47:27 1984
Date-Received: Tue, 14-Aug-84 19:18:52 EDT
Distribution: net
Organization: U.C. San Diego, Computer Center
Lines: 28

I am writing a book about ProDOS on the Apple //c, and am
interested in:

o   Comments about ProDOS

o   Information about quirks or other sources of anxiety

o   Opinions on current documentation, including anything
    not necessarily put out by apple

o   Interesting inovations

o   Miscellaneous information or comments about the //c

Any input would be greatly appreciated.

Mark
sdcsvax!sdccs6!ix771
or Till August 30th:

  Mark Diamond
  9180 A Regents Road
  La Jolla, CA
  92037

From -1792483437174594156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,976550d9a1c44bbd,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,976550d9a1c44bbd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-12 16:42:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro,net.micro.apple
Subject: MacTerminal: mousing the cursor
Message-ID: <296@aluxe.UUCP>
Date: Sun, 12-Aug-84 19:42:25 EDT
Article-I.D.: aluxe.296
Posted: Sun Aug 12 19:42:25 1984
Date-Received: Mon, 13-Aug-84 01:05:20 EDT
Organization: AT&T Bell Laboratories, Allentown, PA

Lines: 38

>From: info-mac@uw-beaver (info-mac)
>Newsgroups: fa.info-mac
>
>From: winkler@harvard.ARPA (Dan Winkler)
>The beta version of MacTerminal does allow you to move the cursor
>using the mouse. You point the mouse, hold down the option key,
>and click and MacTerminal sends the appropriate cursor addressing
>commands to position the cursor.
>

How does MacTerminal tell the host where the cursor is at?

If when you position the cursor with the mouse a bunch of arrow key sequences
are transmitted relative to where you were, it would take quite a while to
tramsmit, (2.6 sec worst case at 1200bd). This would have the
advantage that TERMCAP understands what the arrow keys are, and would
be usable on most programs.

Another method would be to let the user move the cursor locally, and REQUIRE
the host to ask where the cursor is at when it matters, (\E[6n for a vt100).
This method is much faster and cleaner, but rewrites to programs would be
necessary.

The final method would to have MacTerminal send an escape sequence,
(\E[Pl;PcM or something) when he/she releases the mouse button at
a new cursor location. This is probably the best, but again, TERMCAP
does not support cursor entry of this sort (as far as I know); and
rewrites would be necesary to editors.... .

I do not have access to the new Beta MacTerminal yet, but I would like
to know what thoughts there were on a standard way to "mouse" the cursor
on screen driven programs, and how MacTerminal did it.

Lonnie R. Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -8072294414008222341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,91aa8dfb58f30a5f
X-Google-Attributes: gid159df4,public
X-Google-Thread: 1622d3,91aa8dfb58f30a5f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-13 17:16:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!amd!decwrl!sun!gnu
From: gnu@sun.uucp (John Gilmore)
Newsgroups: net.micro.68k,net.micro.apple
Subject: Re: 68000 inconsistency w.r.t. high order address bits

Message-ID: <1618@sun.uucp>
Date: Mon, 13-Aug-84 20:16:53 EDT
Article-I.D.: sun.1618
Posted: Mon Aug 13 20:16:53 1984
Date-Received: Thu, 16-Aug-84 01:21:42 EDT
References: <8@harvard.ARPA>
Organization: Sun Microsystems, Inc.
Lines: 36

Tom Breuel reported earlier that LisaBug seems to strip high order bits sometimes, perhaps it is mucking around with his PC too. Any real Apple people know?

Or anybody got a 68000 board with another debugger?

> P.S.: About choice of implementation of type tags: given that the LISP runs on an MacIntosh with very limited memory resources, given that the Mac has a "fixed" architecture and is unlikely to profit from Motorola's corrections to the 68000 (as in the 68010), and given that the LISP performs very well speedwise, I think the choice of putting type tags into the "unused" msb of pointers, and not explicitely stripping them before dereferencing (except for the case of indirect jumps :-) is justified. Since all type reconisers and selectors are defined as macros, this efficiency hack even leaves the program portable.
>
> Thomas M. Breuel
> ...{genrad!wjh12!tardis,allegra!harvard}!gallifrey!tmb

Well, if your Lisp is worth its salt it will survive the Mac. What would prevent its running on, say, a Sun? The problem is not that you're depending on 68000 bugs, it's that you depend on a 24 bit address bus. Various commercially available 68000 based systems provide anywhere from 20 bits to 32 bits of addressability. Given a network of machines (linked by AppleNet or Ethernet or whatever), why should there need to be N different copies of your Lisp, based on the address bus size of the machine that wants to run it? (The source may be portable but the binary isn't.)

Also, I've heard rumors of a "Big Mac". Given that Apple seems to like the 68000 family, they might make a machine with the faster 68020 once it's available in large volumes. Of course, if too many people write software like yours, they won't be able to offer binary compatability with Mac programs. Reminds me of the people doing the 16-bit 6502 chip who had to put the 6502 bugs back in because all the Apple][programs depended on them...

From 5038091810003775414
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161558ce0d22f049
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-14 08:23:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: hires_question
Message-ID: <394@pucc-i>
Date: Tue, 14-Aug-84 11:23:28 EDT
Article-I.D.: pucc-i.394
Posted: Tue Aug 14 11:23:28 1984
Date-Received: Thu, 16-Aug-84 01:18:31 EDT
References: <494@bunker.UUCP>
Organization: Purdue University Computing Center
Lines: 20

The "double-density" hi-res mode is a hardware feature of the Apple //e.
No modification is required. All you need is the Apple extended 80-column
board (the one with 64K on-board memory, for a total of 128K). Double
density probably also works with the Apple //c, but I can't say for sure.
It definitely does not work with the II+, and there is no simple hardware
modification that will make it work.

One exception: If you have a //e with a "Revision A" motherboard (manufactured
within the first month or so after the //e was released) you may need a
hardware modification, which your Apple dealer will handle for free. You
must have the Extended 80-column board in order to get the modification.

The only software I have heard of which makes use of double-denity hi-res
graphics is Apple Pascal 1.2. The Apple //e Reference Manual and the
Extended 80-column Card User Manual describe how double-density mode works
(i.e. what soft switches to set, and how the memory is mapped).
--

Dave Seaman   My hovercraft is no longer full of
..!pur-ee!pucc-i:ags   eels (thanks to my confused cat).

From -1247478839699673737
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6930f24df17942ed
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-14 22:55:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-beaver
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!furuta
From: furuta@uw-beaver (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Re: Information on MAC programs requested
Message-ID: <1426@uw-beaver>
Date: Wed, 15-Aug-84 01:55:22 EDT
Article-I.D.: uw-beave.1426
Posted: Wed Aug 15 01:55:22 1984

Date-Received: Fri, 10-Aug-84 02:02:53 EDT
References: <142@analog.UUCP>
Organization: U of Washington Computer Science
Lines: 13

Availability of the SUMACC programs is not so much a matter of whether one
is in the Consortium or not. Rather it's a question of whether or not you
have access to an Arpanet (or Internet) site. The programs are in a
preliminary beta test-like state. Consequently no arrangements have been
made for wider distribution of the programs.

--Rick

...decvax!uw-beaver!furuta (uucp)
...ucbvax!lbl-csam!uw-beaver!furuta
...ihnp4!uw-beaver!furuta
or
Furuta@Washington (ARPAnet)

From -1076497601412867085
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75241fde4d96cf84,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-15 04:58:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dalcs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
dartvax!dalcs!buckley
From: buckley@dalcs.UUCP (A. Buckley)
Newsgroups: net.micro.apple
Subject: Lisa & Mac
Message-ID: <1229@dalcs.UUCP>
Date: Wed, 15-Aug-84 07:58:15 EDT
Article-I.D.: dalcs.1229
Posted: Wed Aug 15 07:58:15 1984
Date-Received: Sun, 19-Aug-84 03:29:47 EDT
Organization: Dalhousie U, Halifax N.S.
Lines: 15

For reasons much too long to explain here, we have been off most of the
network for several months. I would very much like to obtain a copy
of all articles relating to Apple's Lisa and MacIntosh systems. If
there is anyone who has achived these, please let me know so that we
could try to arrange for a copy. Thanks in advance.

Signed: Professor A. Buckley

Net address: ...{utcsrgv,dartvax}!dalcs!buckley

Postal Address: Department of Math, Stats and Computer Science
(do you really   Dalhousie University

want it?) Halifax, Nova Scotia B3H 4H8
Canada

From 9092302840104603812
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5195435723911df3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-15 09:56:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucsfcgl.UUCP
Path: utzoo!linus!decvax!ucbvax!ucsfcgl!harrison
From: harrison@ucsfcgl.UUCP (Peter Harrison%MIS)
Newsgroups: net.micro.apple
Subject: Re: Apple][problems
Message-ID: <335@ucsfcgl.UUCP>
Date: Wed, 15-Aug-84 12:56:50 EDT
Article-I.D.: ucsfcgl.335
Posted: Wed Aug 15 12:56:50 1984
Date-Received: Sun, 19-Aug-84 12:21:26 EDT
References: <12334@sri-arpa.UUCP>
Organization: Computer Graphics Lab, San Francisco
Lines: 25

Such problems are common with apples. I have ALWAYS (5 years) been
able to fix them by a one or more of the following techniques:

Let it cool off. If heating is the problem, buy a fan. The fans inside
the computer do not work. Get one of the ones that hang off the side.

Push on all the chips. They often work a little loose. You have to
push pretty hard. The risk is that you will crack the mother board. I
have not done that yet.

Pull out your disk controller card (and/or other cards) and clean off
the little gold contact fingers with an eraser. Make absolutely sure
that the power is off. I got frustrated once pulling boards and managed
to pull one with the power on: goodbye motherboard.

You may be lucky to get someone who knows what they are doing at a
computer store. The time I blew my motherboard, it took ComputerLand 4
weeks to get it fixed. I think I knew more than most of thir repair
people, and I don't even know the names of the chips, let alone what
they do. A big part ofg the problem was that they did not listen to
what I problems were going on, or did not check to see if it was gone
after they had a second (and third, and fourth) shot at fixing it.

Peter Harrison

From 8694596796055805457
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f94f58d3bb1df9a5,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-15 16:28:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!zir
From: zir@drutx.UUCP (ZirinskyM)
Newsgroups: net.micro.apple
Subject: want apple peripherals
Message-ID: <914@drutx.UUCP>
Date: Wed, 15-Aug-84 19:28:39 EDT
Article-I.D.: drutx.914
Posted: Wed Aug 15 19:28:39 1984
Date-Received: Thu, 16-Aug-84 03:42:25 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 27

Looking for Apple peripherals, new or used.
Will purchase within two weeks.

1. Digitizers
visual, mechanical and tablets
2. Graphics board
3. Printers-
Epson RX-80
Epson LQ-1500
interface cards for above printers
robotics control card
Videx Enhancer strip
Macpaint program for apple II+ (original program only)
Mouse to fit apple
Video digitizers (standard video or whatever)

 will acquire these by September 1, so
if you have one of these items kicking around, new, used,
dead, alive, or whatever, you can bear tp part with and want some
bucks for it, please leave me E-mail or call me at

Mark Zirinsky
AT&TIS
(303) 538-1063
Ztech
(303) 278-0463

From 189721306976133047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1bd9af1e65ca6ec7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-15 22:27:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!

tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: DES
Message-ID: <3886@brl-tgr.ARPA>
Date: Thu, 16-Aug-84 01:27:43 EDT
Article-I.D.: brl-tgr.3886
Posted: Thu Aug 16 01:27:43 1984
Date-Received: Sun, 12-Aug-84 01:37:18 EDT
References: <12196@sri-arpa.UUCP>
Organization: Ballistics Research Lab
Lines: 1

Of course you can write a DES routine, but it will be SLOW.

From -9022290766312861047
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,406f2b3cbfb5628,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-16 08:16:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site astrovax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!astrovax!elt
From: elt@astrovax.UUCP (Ed Turner)
Newsgroups: net.micro.apple
Subject: Terminal Emulation Software for the Mac (Info Wanted)
Message-ID: <420@astrovax.UUCP>
Date: Thu, 16-Aug-84 11:16:07 EDT
Article-I.D.: astrovax.420
Posted: Thu Aug 16 11:16:07 1984
Date-Received: Fri, 17-Aug-84 01:05:40 EDT
Organization: Princeton Univ. Astrophysics
Lines: 15

I would like to use my new Macintosh system as a terminal (on a Unix
system), if possible both as a standard alphameric terminal and as
a graphics terminal. Ideally, I would like VT100 and Tek 4010/14
emulation. I would also be interested in upload/download software
for MacPaint and MacWriter files. Does anyone out there know
anything about what's available and where to find it?

I strongly suspect that much of this has already been discussed in
this group; if so, please don't hesitate to send me a summary of what
has transpired by mail instead of rehashing it on the net.

Thanks in advance,

Ed Turner
astrovax!elt

From -3072936174624054707

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f4651ba02a9448e1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-16 10:38:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!zir
From: zir@drutx.UUCP (ZirinskyM)
Newsgroups: net.micro.apple
Subject: one- wire shift key modification
Message-ID: <924@drutx.UUCP>
Date: Thu, 16-Aug-84 13:38:27 EDT
Article-I.D.: drutx.924
Posted: Thu Aug 16 13:38:27 1984
Date-Received: Fri, 17-Aug-84 01:21:25 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 22

this is a really slick modification for converting an apple
II+ to upper/lowercae control. I didn't think of it, I just
use it. Anyway, run a wire from the shift key connection on
you keyboard (as you are standing over the front of the
computer, this is the second connection from the right) to pin
#12 on the game I/O socket (again, standing above the comuter
ad looking toward the back, this is on the right side of the
socket, fourth from the bottom). That's it. Every time you
hit the shift key, it sends a value to the game AN connector
(on/off). Software can read this location, if it is high, it
massages the ascii value from the keyboard to uppercase.

    Note: you must have software that looks for this. Can't
    recall adress at moment, it is in the Apple reference
    manual. Magic Window II supports this modification.

Mark Zirinsky
AT&TIS (303) 538-1063
Ztech   (303) 278-0463

From 9209785318688091917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161558ce0d22f049
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-16 13:29:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: hires_question
Message-ID: <376@intelca.UUCP>

Date: Thu, 16-Aug-84 16:29:38 EDT
Article-I.D.: intelca.376
Posted: Thu Aug 16 16:29:38 1984
Date-Received: Sun, 19-Aug-84 02:04:41 EDT
References: <494@bunker.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 42

.
There is an interesting software hack that I invented that will do a similar function for you. It flips back and forth between the Apple][(+) hi-res pages 0 and 1 exactly at the end of the video refresh scan. This then allows both page 0 and 1 to be displayed (pseudo)-simultaneously.

The big problem is that due to the way colors are generated (with the bit-7 phase shift), blended colors tend to wash out so that the new colors are only white-washed colors (more white-ish) versions of the normal colors available.

Other problems are display flicker is noticeable (entire screen refresh now takes twice as long) and software overhead can be substantial because it must poll-wait until the exact end of screen.

Here's how it's done:
Apple][dual-ports memory between the CPU and display (cycles between the two are interleaved). If the CPU attempts to read from a memory address that does not contain a device, the CPU ends up receiving whatever garbage data happened to be floating on its data lines. Because the display access was the last cycle to occur, these data lines then retain the display data. If a certain pattern is placed in display memory only at a certain point in the display, software can wait until this pattern is displayed by repeatedly reading non-existant locations and comparing. A simple polling loop is:

```
      LDA pattern
Wait  CMP $CFFF     ;no device is addressed at this location
      JNZ Wait
```

Once the pattern is found, then the software can flip the hi-res page and do a little useful work before it comes back into the wait loop. Note: place the display data pattern in the display several times in a row (atleast four) to guarantee catching it with the compare.

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd!intelca!glen"@BERKELEY
\-/   --- stay mellow

From 7205501863528365749

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,161558ce0d22f049
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-16 14:41:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!zinfandel!dual!proper!
dsmith
From: dsmith@proper.UUCP (David Smith)
Newsgroups: net.micro.apple
Subject: Re: hires_question
Message-ID: <1509@proper.UUCP>
Date: Thu, 16-Aug-84 17:41:51 EDT
Article-I.D.: proper.1509
Posted: Thu Aug 16 17:41:51 1984
Date-Received: Sun, 19-Aug-84 01:24:59 EDT
References: <494@bunker.UUCP>, <394@pucc-i>
Organization: Proper UNIX, San Leandro, CA
Lines: 8

{Line eater test. If this line is missing, the line eater is active}

    I have heard of two graphics packages that use 'double hi-res'.
One is DoubleStuff Graphics (don't know manufacturer) and Beagle Bros.
has a package that will do it also.

                        David Smith @ Proper Unix

From 4719363145000321165
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,35ecdc1f6b83c74d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-17 12:49:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!zinfandel!dual!amd!
intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: Apple][problems
Message-ID: <377@intelca.UUCP>
Date: Fri, 17-Aug-84 15:49:53 EDT
Article-I.D.: intelca.377
Posted: Fri Aug 17 15:49:53 1984
Date-Received: Sun, 19-Aug-84 04:00:19 EDT
References: <12334@sri-arpa.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 19

.
If you have any plug-in cards in your system, remove them to see
(by process of elimination) if any one card is causing the problem.

Try your system with no cards (comes up in BASIC, does it work?)
Try booting with only disk controller card!
etc.

Sometimes there may be no problem with any one card but the combination
of all the cards in the system draws too much power or creates too much
heat.

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd!intelca!glen"@BERKELEY
\-/   --- stay mellow

From 6856121903966349599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39cf602d6aa4ac19,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-17 13:48:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site nmtvax.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl-a!unm-cvax!nmtvax!djm
From: djm@nmtvax.UUCP
Newsgroups: net.micro.apple
Subject: Termcap & emulator for Apple][
Message-ID: <488@nmtvax.UUCP>
Date: Fri, 17-Aug-84 16:48:46 EDT
Article-I.D.: nmtvax.488
Posted: Fri Aug 17 16:48:46 1984
Date-Received: Sun, 19-Aug-84 13:20:38 EDT
Organization: New Mexico Tech, Socorro, N.M.
Lines: 10

<eat it>

Has anyone out there developed a terminal emulator that lets an
Apple run Emacs over a dialup?
My system is a 48k Apple][w/ DC Hayes Micromodem, and the
system I'm talking to is a Vax 750 w/ 4.2BSD.

Thanx,
     Dieter Muller
     (djm@nmtvax)

From 6046244433793731673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,749ca17c29e8ca64,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-08-17 21:32:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Sieve Benchmark on //e? - (nf)
Message-ID: <1715@inmet.UUCP>
Date: Sat, 18-Aug-84 00:32:41 EDT
Article-I.D.: inmet.1715
Posted: Sat Aug 18 00:32:41 1984
Date-Received: Sun, 19-Aug-84 13:44:15 EDT
Lines: 38

#N:inmet:17900029:000:2040
inmet!muller   Aug 16 21:13:00 1984

From a:muller Thu Aug 16 15:11:12 1984
***
Question (prompted by a Byte article which reviewed Turbo Pascal for the PC...):

The artical was in last month's issue, but it referenced another from Jan, 1983. In that one, Byte listed benchmark times for the Sieve of Eratosthenes for many machines, as reported by their readers. (The Sieve finds the prime numbers from 0 (1) to 8190, and does this 10 times, I believe.) In that Jan, '83 article, there were 2 reportings for Apple Pascal (on a][?), which differed by more than a factor of 2; I tried this with the program given in last month's article and got results that were slower than the slower of those two reportings by a factor of 1.5 or so. So, what explains these differences?

(1) Perhaps the other readers were guilty of biasing their results.
(2) Perhaps they had Accelerator boards or something, but Byte didn't report it or wasn't told.
(3) Perhaps they optimized their programs or their algorithms somehow.
(4) Perhaps there are differences between Pascal 1.0 and 1.1 (I tried this with both 1.1 and 1.2 and got identical results).
(5) Perhaps there are differences between the][, the][+, and the //e (mine).
(6) Perhaps this reflects loose tolerances in the 6502's clock speed, and mine is slow.

[There was some discussion in Byte about optimizing the program (especially for different languages) or the algorithm, but this strikes me as invalidating the whole concept of benchmark comparisons, a messy business anyway.]

Are there any intelligent comments to be made about this? I am curious about the timing differences, and the performance of my machine in particular. I am not inviting discussion of the general topic of benchmarks, but it just seems to me that almost identical machines running the same source code compiled under the same operating system with the same compiler should execute in about the same time...unless everything really isn't the same...

Jim Muller ima!inmet!a:muller (?) or harpo!inmet!a:muller (?)

From -5295543368517732221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b580845f5364c83,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-20 10:29:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!bunker!chuck
From: chuck@bunker.UUCP (Chuck Heaton)
Newsgroups: net.micro.apple
Subject: Hires.again
Message-ID: <501@bunker.UUCP>
Date: Mon, 20-Aug-84 13:29:08 EDT
Article-I.D.: bunker.501
Posted: Mon Aug 20 13:29:08 1984
Date-Received: Wed, 22-Aug-84 03:38:25 EDT
Lines: 19

Hi.

A while back I submitted a question regarding a hardware modification to the Apple][(not-e, not-c) to automatically 'synch-up' page flipping between the display pages. I wanted to thank those of you who responded to me (and to the newsgroup).

Unfortunately, I'm not sure a got across exactly what I am looking for. I am not looking for any hardware or software products. I am looking for someone who knows what pin of what chip to connect to what and/or what run(s) to cut to accomplish the desired modification. My understanding is that this is a very simple mod for 'those in the hardware know'.

I will be eternally grateful if anyone can help me out in this. Thanks again. (By the way, I couldn't find the Don Lancaster book 'Enhancing your Apple][' that some kind soul told me about).

Chuck Heaton

From -8158119597306660772
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,91766ca925cbe270,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14d0b9,844dc86ee64fce45
X-Google-Attributes: gid14d0b9,public
X-Google-ArrivalTime: 1984-08-21 10:59:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site hudson.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!hudson!ggr
From: ggr@hudson.UUCP (Guy Riddle)
Newsgroups: fa.info-mac,net.micro.apple
Subject: Re: A Calendar/Note Pad desk accessory
Message-ID: <273@hudson.UUCP>
Date: Tue, 21-Aug-84 13:59:43 EDT

Article-I.D.: hudson.273
Posted: Tue Aug 21 13:59:43 1984
Date-Received: Wed, 22-Aug-84 01:53:54 EDT
References: <1463@uw-beaver>
Organization: AT&T Bell Laboratories, Piscataway
Lines: 5

For those without access to FTP, I have posted in net.sources
(article <272@hudson.UUCP>) the code for Mike Schuster's
desk accessory. Thanks to Mike for mailing it to me.

=== Guy Riddle == AT&T Bell Laboratories, New Jersey ===

From 158945801883157033
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,716e09b63be91b9a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-22 21:36:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple II Communications Programs
Message-ID: <1710@inmet.UUCP>
Date: Thu, 23-Aug-84 00:36:02 EDT
Article-I.D.: inmet.1710
Posted: Thu Aug 23 00:36:02 1984
Date-Received: Sun, 19-Aug-84 02:11:46 EDT
Lines: 19
Nf-ID: #R:dadlab:-12900:inmet:17900028:000:1283
Nf-From: inmet!muller   Aug 14 09:56:00 1984

***
I have been using TERMEXEC for 6 or 7 months, and have generally been happy
with it. It has unattended file transfer (receiving long files requires
the host to honor XON/XOFF, of course), a system for creating macros, and
an editor for editing any text file. The editor is not the fastest in the
world, but is is quite useful, especially since it handles <CR>'s and ends-
of-lines the way a typewriter does, rather than the way a word-processor
like Applewriter does. It also comes with an enhanced DOS and scrolling
capability. I have not really taxed its features other than the editor
and the file transfer. The company has been very helpful, and they do
maintain an online bboard, which offers some downloadable programs, e.g.
one to do XMODEM. TERMEXEC does not do smartterminal emulation, and there
are (apparantly) only tentative plans to work on it. One final feature, it
will do filetype conversion,from any type to any other type (Applesoft,
binary, text, Integer) so you can use it to transfer of any file (say an
Applesoft file) by transforming it to text, then sending it; this makes it
a good programming tool to, since an Applesoft file can be transformed into
a text file and then edited and worked on etc, then "exec-ed" bakt to
Applesoft to be re-run.

From 3102588793350447270
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b5c6b80528a5b135,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-22 21:46:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Bug fixes in Pascal 1.2 - (nf)
Message-ID: <1729@inmet.UUCP>
Date: Thu, 23-Aug-84 00:46:15 EDT
Article-I.D.: inmet.1729
Posted: Thu Aug 23 00:46:15 1984
Date-Received: Sat, 25-Aug-84 02:33:52 EDT
Lines: 139

#N:inmet:17900030:000:8149
inmet!muller   Aug 21 15:29:00 1984

**
Someone had asked about bug fixes in Apple Pascal 1.2...

>From the Apple Pascal 1.2 Update Manual, Appendix A:
I. Compiler bugs

1) Regular units using (*$R segname*) or (*$R unitname*) are now linked properly.
2) if Compiler Resident option ($R) was used on intrinsic unit which had a data segment, the code was loaded first, so the datahad wrong addresses. Now the data is loaded first.
3) Exit(procedurename) didn't work if the procedure was a regular unit with number > 127. Now it works.
4) Initializations in nested units were executed in reverse order. Now the order is correct.
5) If (*$R segname*) or (*$R unitname*) refered to a nonexistent segment or unit, no error message was given. Now it is.
6) If an intrinsic unit had the same segment number for code and data segments, the Compiler did not give an error message. Now it does.
7) The Compiler did not check for an empty data segment in an intrinsic unit. Now it does.
8) Error message #350 (if an intrinsic unit needed a data segment but none was declared) was issued at the end of the initialization section. Now it comes at the start of the implementation section.
9) If a procedure was declared FORWARD but not defined, the error message did not stop compilation. The error could therefore be overlooked unless the operator watched the screen closely (no codefile was created however). Now the compilation stops and the error message displayed.
10) The Compiler could release heap symbol storage space too soon. Not now.
11) Negative long integers were treated incorrectly. O.K. now.
12) Compiler did not check for any constant string longer than 80. Now it does.

13) When a listing was turned of, the Compiler still issued a FormFeed when it saw a (*$P*). Now it doesn't.
14) Random errors could show up with identifiers that began with the letters H, J, K, Q, X, Y, or Z. O.K. now.
15) If several compiler options were issued in a single statement, the Compiler would ignore any that followed $S++. Now it doesn't.

II. Assembler bugs

1) .ALIGN was handled incorrectly. O.K. now.
2) If there were no symbols, the Assembler would print a garbage symbol table. Now it doesn't.
3) A fixup to a word that crossed buffer boundaries would destroy the byte following the end of the buffer. Now it doesn't.
4) The Assembler did not test for nested macros (illegal). Now it does.
5) An .ENDM without a corresponding .MACRO was not printed, and a wrong error ("undefined label") was issued. O.K. now.
6) The Assembler could overwrite SYSTEM.PASCAL if there were more than 10 procedures. Now it doesn't.
7) .INTERP references were relocated incorrectly. O.K. now.
8) If an .INCLUDE statement had garbage after the filename, the file was not included. Now it is after the error message is issued.

III. Linker bugs

1) The Linker sometimes failed handle DEF's and REF's properly to see if the labels of two assembly routines matched. Now it checks.
2) Regular units could not use segments numbered 16...31. Now they can.

IV. LIBRARY.CODE bug

1) If a library file being built exceeded 200 blocks, the interface text sections were not copied into the file. Now they are.

V. LIBMAP.CODE bug

1) Interface text of units that started after block 200 in the library were not reported. Now they are.

VI. SEEK/PUT bugs

1) Dynamically extending a diskfile, by SEEKing past the last block and then PUTting, could overwrite the next file, if the next file started right after the previous one. Now, if there is not enough space to PUT the record, the PUT will get an IORESULT of 8, "no room".
2) SEEKing a record number to expand a file, when there was room in the last block, resulted in a record being written after the former last record. Now the file expansion is tried first, and an IORESULT of 8 is issued if necessary.
3) Seek went to the wrong place whenever it wanted a position between the current EOF and the EOF at the time of the last RESET. Now the correct block is used for the buffer and the pointer is positioned correctly.
4) A SEEK to a large record number in a file with a large record size could take too much time. This has been substantially reduced.

VII. I/O bugs

1) If a driver was attached to a unit number 4...12, UNITREADs and UNITWRITEs would work okay, but file input or output by volume name might not. Now it will.
2) Floppy disk routines disabled interrupts, and left them that way. Now they are re-enabled after disk routines are done.
3) A WRITE of a null string did not set IORESULT properly if it was non-zero before. Now it does.
4) RESET or REWRITE on a DOS volume did not return an IORESULT error. Now it

gives a value of 10, i.e. "file not found".

VIII. Turtlegraphics bugs

1) Parameter YSKIP in procedure DRAWBLOCK did not work. Now it does.
2) DRAWBLOCK did not work correctly if part extended outside the viewport. Now it does.

IX. Miscellaneous run-time bugs

1) If (*$NR*) option refered to a unit that had an assembly procedure in its interface, and that procedure was called from outside the unit, the segment's memory was not released when the procedure terminated, thus occupying memory unnecessarily. If repeated calls were made to the procedure, memory could fill up with copies of that procedure's code. This memory is released properly now.
2) Repeated Control-A's during compilation or disk i/o's could crash the system or causde bad disk writes. Not now.
3) If "ignore external terminal" flag was set with RTSETMODE, any card in slot 3 was initialized, even though it was not used. Now it isn't.
4) A random character could be written in the last position of a real number if the field was wide. Not now.
5) An error in a long integer computation caused the interpreter to go into a loop. Now an error message is issued.
6) There was no check for stack-overflow when intrinsic-unit data segments were loaded onto the stack. Now there is.

Pascal 1.2 offers several enhancements to take advantage of the features of the Apple //e. It also has an enlarged error message set, an improved FORMATTER program, additional block volume units, a new operating system swapping option, a "same volume name as executing program" prefix for file names, and a new REMSTATUS procedure to poll I/O on slot 2. Finally, it offers a "128k" system for machines with extra memory; this is obtained by replacing SYSTEM.APPLE and SYSTEM.PASCAL with new versions provided. This space is used to hold p-code. (Actually, the "language card" space in the aux.mem. is "reserved for future use" so it isn't really a full 128k ram system.) There appears to be nothing lost by using this system at all times (this is what Apple says, too); there is no apparant increase in either running or compile time. The 128k system allows some enhancements in library file usage and it allows more segments, though they generally have to be from intrinsic units.

>From the Addendum to the 1.2 manual, it appears that the bug which held up distribution was that if the 80 character wide screen was used with the editor, and a character was written into the last column in line 24, it could damage the file. Apple's solution was to recommend changing the MISCINFO file to use only 79 columns on the screen. The value apparantly could not be changed in the MISCINFO file for a //e, so they provided another MISCINFO file for the //e which uses 79 columns. The obvious problem with this approach is that some application programs might really want to use 80 columns, e.g. a terminal emulator (?). The solution seems to be to use the 80 col. MISCINFO file on a startup disk intended for that program's execution, but to use the 79 col. MISCINFO file for any program development.

All in all, 1.2 seems to be a very nice package, and a real improvement over 1.1. Have fun.... Jim Muller

From 2551353803330629613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f6d420e0c29f43be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 07:18:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site digi-g.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!stolaf!umn-cs!digi-g!mark
From: mark@digi-g.UUCP (Mark Mendel)
Newsgroups: net.micro.apple
Subject: 1200 & apple][+
Message-ID: <207@digi-g.UUCP>
Date: Thu, 23-Aug-84 10:18:06 EDT
Article-I.D.: digi-g.207
Posted: Thu Aug 23 10:18:06 1984
Date-Received: Sat, 25-Aug-84 07:24:30 EDT
Organization: DigiGraphic Systems Corp., Mpls. MN
Lines: 15

I am contemplating upgrading my apple][+ to a 1200 baud modem.
I have a couple of questions:

- Can the apple keep up? Is anyone currently running such a configuration?
  My current modem software is written in FORTH. Can FORTH on an Apple keep
  up? I also do a fair amount of keyboard/screeen translatin to handle full-
  ascii.

- Any leads on a good, cheap serial interface card for the][+?

Please resond via mail.

                        -- Mark
                        ...ihnp4!umn-cs!digi-g!mark

From -460699985603231308
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,413f0785cf936c01,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 07:42:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mouton.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!mouton!jac
From: jac@mouton.UUCP
Newsgroups: net.micro.apple
Subject: apple keyboard hack
Message-ID: <139@mouton.UUCP>
Date: Thu, 23-Aug-84 10:42:04 EDT
Article-I.D.: mouton.139
Posted: Thu Aug 23 10:42:04 1984
Date-Received: Fri, 24-Aug-84 04:33:13 EDT

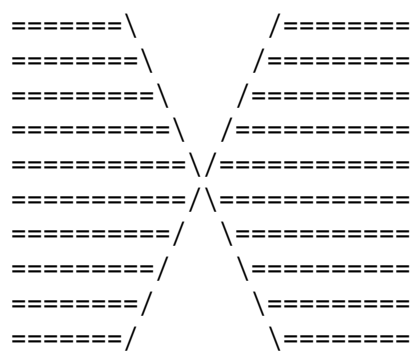
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 62

I have finally gotten around to responding to the question posed as to whether the APPLE II,II+.... could generate lower case. Most people responded with the popular "one wire" mod. This works fine AS LONG AS THE PROGRAM IS DESIGNED TO USE THIS FEATURE. What happens if you want to use lower case with a word processor that supports real shift keys, or an applications program that doesn't support the one wire mod. Weeellllll, it is very simple if you have the "two piece" keyboard. When Apple designed the II+, they fully intended it to have lowercase. However, they realized that this would make the II a competitor with the III so they decided that the major selling point of the III would be the fact that it supported lower case. BUT, the pc patterns were already made up, so they merely modified them a little. Look at the encoder board. You will see a location which looks like:

* *=*

* *=*

Or something like that (this is from memory so you'll have to be a little creative when you look for the pattern.) Anywaaaaaayyyy, look for a series of traces that looks like a double pole, double throw switch could be installed. cut the traces shorting the pins together- they look like



They are expanded for clarity. they really are about this big: =><= Cut these traces and install a switch. In one position your keyboard will generate lower case (you will have problems with generating an '@' (at sign) because a shift P will give you c a capital P. flick the switch to the other position to get keys like this] ^.......) while in the other it wll generate upper case only. NOTE THIS DOES NOT, I REPEAT NOT, DISPLAY LOWER CASE, IT GENERATES IT. If you have a lower case character ROM, then you will have no problems. otherwise, you will see funny things. If there is sufficient demand, I'll post the contents of a lower case prom.

I TAKE NO RESPONSIBILITY FOR THIS MOD AS IT WILL VOID YOUR WARRENTY (if there still are any valid II warrenties out there) AND A DEALER MAY REFUSE TO FIX THE PROBLEM IF YOU SCREW UP. I have made 1/2 dozen mods like this

and never had any problems.

Good luck, and don't hesitate to send mail to someone else if you
have problems.

Jonathan A. Chandross
Bell Communications Research
......allegra!mouton!jac

The above hardware hacks are probably -DEFINATELY- not encouraged or
endorsed by my employer. All above opinions are strictly my own.

From 1180136280811188980
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5dd687a1f8b46448,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 15:49:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!sri-unix!winkler@HARVARD.ARPA
From: winkler@HARVARD.ARPA@sri-unix.UUCP
Newsgroups: net.micro.apple
Subject: Re: Z-80 CARD PROBLEMS
Message-ID: <12752@sri-arpa.UUCP>
Date: Thu, 23-Aug-84 18:49:03 EDT
Article-I.D.: sri-arpa.12752
Posted: Thu Aug 23 18:49:03 1984
Date-Received: Thu, 30-Aug-84 00:46:21 EDT
Lines: 9

From: Dan Winkler <winkler@HARVARD.ARPA>

>   What speed is the z80 running at?? If it's a Z80B then it is
>   probably running at 6mhz and that is too fast for the apple ram!!

I have a PCPI AppliCard which does indeed run at 6mhz (it's great!). They
manage it by giving the card 64K of its own memory. It also makes clever
use of the Apple memory -- it stores CPM there. That way, it never needs
to go back to the system disk once it has booted.

From 5797932878952227137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b492b4012dc9307,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 18:37:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!sri-unix!gwyn@BRL-VLD.ARPA
From: gwyn@BRL-VLD.ARPA@sri-unix.UUCP
Newsgroups: net.micro.apple
Subject: Apple Color Monitor 100

Message-ID: <12760@sri-arpa.UUCP>
Date: Thu, 23-Aug-84 21:37:43 EDT
Article-I.D.: sri-arpa.12760
Posted: Thu Aug 23 21:37:43 1984
Date-Received: Thu, 30-Aug-84 01:17:05 EDT
Lines: 15

From: Doug Gwyn (VLD/VMB) <gwyn@BRL-VLD.ARPA>

When I trundled by my local Apple dealer to look at the new color
monitor, he said that the price would be about $900 total, or
$600 for just the interface card if you supply your own monitor.
He wasn't planning to stock any because he doubted there would
be much market for them at that price.

I was thinking about replacing my Comrex RGB monitor (which is
limited to 8 colors, and one has to rearrange the R, G, B cables
to get a reasonable mapping of the expected colors), but at these
prices I dunno.

What software support is existing or planned for the Apple
Color Monitor 100? How about MousePaint, Graphics Magician, etc.?

From -1087711825927784309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9da29eb5605e2361,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 18:39:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Need help to port sumacc to SUN
Message-ID: <412@oddjob.UChicago.UUCP>
Date: Thu, 23-Aug-84 21:39:12 EDT
Article-I.D.: oddjob.412
Posted: Thu Aug 23 21:39:12 1984
Date-Received: Sat, 25-Aug-84 05:43:44 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 11

asdf

Can anyone help me on porting SUMACC to my SUN workstation running
BSD 4.2? Our version of SUMACC contains the binaries for the compilers,etc
and I don't have are the sources. Thanks!

Sean Casey   ...ihnp4!oddjob!sean
Dept of Astron & Astrophys
Univ of Chicago

From 6242845459523273473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bbc71581cbdb81d3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 19:28:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hpda!fortune!amd!decwrl!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: extra memory (>64k) and UCSD IV.13 system
Message-ID: <3143@ecsvax.UUCP>
Date: Thu, 23-Aug-84 22:28:07 EDT
Article-I.D.: ecsvax.3143
Posted: Thu Aug 23 22:28:07 1984
Date-Received: Sat, 1-Sep-84 09:23:46 EDT
Lines: 25

[Thi lin i fre o preservative, and suitabl fo eating]

a wan t expan th memor i m Appl II+ an woul lik i
t wor wit th UCS Pasca system versio IV.13 M question
are

1 I specia softwar required o i i provide b th
hardwar maker I re-gennin o th UCS syste al tha
is needed to "turn on" the extended memory?

2 I dis emulatio available an i i mutuall exclusiv
with extended memory?

3 I alo o hea generate (al m slot ar full) an
can the Apple power supply handle the load?

woul appreciat an experience an recommendations Som o
th solution fo th Appl Pasca syste ma wor wit UCSD bu
woul lik confirmatio o that wil summariz replie bac
t th net.

Phil Julian mcnc!ecsvax!julian

From 6687232681074614038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9b331be0ab4a91fa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-23 20:12:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hpda!fortune!amd!decwrl!decvax!mcnc!ecsvax!kevin

From: kevin@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: C Compiler for Macintosh
Message-ID: <3144@ecsvax.UUCP>
Date: Thu, 23-Aug-84 23:12:20 EDT
Article-I.D.: ecsvax.3144
Posted: Thu Aug 23 23:12:20 1984
Date-Received: Sat, 1-Sep-84 09:24:23 EDT
References: ihuxa.609
Lines: 10

I understand that Stanford University under a project called SUMEX created a
68000 version of C which can be used to create Macintosh applications. I am
very interested in the SUMEX C compiler and the associated include files, and
would appreciated any information on this project and the software.

Please reply via mail

thanks,
Kevin Hardman
Kevin@ecsvax

From 4800403443619787971
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,47587f34fd393406,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-24 05:03:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!KSPROUL@RUTGERS.ARPA
From: KSPROUL@RUTGERS.ARPA
Newsgroups: net.micro.apple
Subject: New Apple color stuff..
Message-ID: <12773@sri-arpa.UUCP>
Date: Fri, 24-Aug-84 08:03:08 EDT
Article-I.D.: sri-arpa.12773
Posted: Fri Aug 24 08:03:08 1984
Date-Received: Thu, 30-Aug-84 01:36:08 EDT
Lines: 17

The price for the IIe color card is $299! no 600, the price for
the color monitor for it is (i think) $599.. The other 'rumor' that
I heard, is that this will be the monitor used for the COLOR MAC?

The software that ran on the IIe color card (This card takes the place of
the IIe extened memory card) Is REALLY SUPER, has all sorts of neat
color stuff, an overlay mode, (text overlayed with graphics) and
dip swicthes to change the color of normal 'white' text to white/green/amber

I have not seen these things, but talked to the customer in the store
who had bought the last one the store had, his comments where that the

poster about the thing 'didnt do it justice...'

Keith Sproul
Ksproul@Rutgers.arpa

From 8508934156258754648
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9b331be0ab4a91fa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-24 09:41:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!hpda!fortune!amd!decwrl!decvax!mcnc!ecsvax!kevin
From: kevin@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: C Compiler for Macintosh
Message-ID: <3145@ecsvax.UUCP>
Date: Fri, 24-Aug-84 12:41:22 EDT
Article-I.D.: ecsvax.3145
Posted: Fri Aug 24 12:41:22 1984
Date-Received: Sat, 1-Sep-84 08:49:54 EDT
References: ecsvax.3144 ihuxa.609
Lines: 10

I have just finished talking to the people at Stanford (SUMEX) about the
CC68 and associated include files. They have informed me that the software
is public domain and generally available on ARPA. However, I do not have
access to an ARPA site and was wondering if someone on USENET had already
received the software, and if so would mind sending a copy to ecsvax.

Thanks,
Kevin

Kevin@ecsvax

From 3865927530398353210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fce125dc0920f11b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,fce125dc0920f11b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12da6b,fce125dc0920f11b,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1984-08-24 20:36:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site nmtvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hao!seismo!
cmcl2!lanl-a!unm-cvax!nmtvax!djm
From: djm@nmtvax.UUCP
Newsgroups: net.micro,net.micro.apple,net.lang.c

Subject: Manx C compiler
Message-ID: <491@nmtvax.UUCP>
Date: Fri, 24-Aug-84 23:36:08 EDT
Article-I.D.: nmtvax.491
Posted: Fri Aug 24 23:36:08 1984
Date-Received: Thu, 30-Aug-84 02:31:24 EDT
Organization: New Mexico Tech, Socorro, N.M.
Lines: 8

Does anyone know anything about the Manx C compiler for Apples? Does it actually produce 6502 code, w/ hooks to the 'os' (dos 3.3 or prodos, according to the ads)? How close to their CP/M compiler is it? This, and any other info will be greatly appreciated. Thanx
--
     Dieter Muller
     aka Rube Goldberg II
     (djm@nmtvax)

From -7354463065189833077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ec2be3eb0ee72a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-24 23:39:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!tektronix!hplabs!zehntel!zps!digger
From: digger@zps.UUCP (Scott A. Miles)
Newsgroups: net.micro.apple
Subject: Z80 Problems reply (nf)
Message-ID: <168@zps.UUCP>
Date: Sat, 25-Aug-84 02:39:15 EDT
Article-I.D.: zps.168
Posted: Sat Aug 25 02:39:15 1984
Date-Received: Thu, 30-Aug-84 19:02:44 EDT
Lines: 14

     My followup on the Z-80 card is a follows:

          1) I was told that the on board ram on the apple
               was too slow for the z80 running at 6MHZ.

          2) If the 6MHZ z80 has it's own ram then this problem
               is solved!!

          3) If they only sell the 6MHZ cards with their own ram
               Then obviously it's not your problem.

          4) I have not had a chance to actually check the speed of
               the on board rams so They may run at 6MHZ ??

From -1536375271200535181

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b62f91caaa73e2d9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-25 08:24:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Shift key mod
Message-ID: <3149@ecsvax.UUCP>
Date: Sat, 25-Aug-84 11:24:23 EDT
Article-I.D.: ecsvax.3149
Posted: Sat Aug 25 11:24:23 1984
Date-Received: Thu, 30-Aug-84 07:47:57 EDT
References: sri-arpa.12439
Lines: 18

Some of the available explanations on the shift key mod can be a bit confusing, especially when it comes to pulling off key caps and soldering wires.

You should first get some good clip leads, with small ends, the kind that CE's use -- the leads should clip on to a wire with a small hook and have a push button on the top. You need one wire with leads on each end.

Refer to page 10 of the Apple Reference manual. Below the white box around 'Game I/O' in the chart, you will see a chip. You attach one clip lead to the lower right piece of the chip. The other end is attaced to the keyboard encoder in this way -- face the apple with the keboard closest to you, peek your head inside the box and look back at a row of exposed vertical pins about an inch or so long...you attach the wire to the 2nd pin from the far right. This works only for 'recent' apple keyboards, which you have if you bought you apple in the last few years.

Phil Julian
mcnc!ecsvax!julian

From -6014290888030786867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39cf602d6aa4ac19
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-25 09:06:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!julian
From: julian@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Termcap & emulator for Apple][
Message-ID: <3150@ecsvax.UUCP>
Date: Sat, 25-Aug-84 12:06:08 EDT
Article-I.D.: ecsvax.3150
Posted: Sat Aug 25 12:06:08 1984
Date-Received: Thu, 30-Aug-84 07:48:13 EDT
References: nmtvax.488

Lines: 5

You can use Ascii Express Professional, with an 80-col. board, emulate a VT52,
and use EMACS. I am using it here at ecsvax, and also on a Prime under
PRIMOS, and both EMACS versions work fine with my Apple II+.

Phil Julian   mcnc!ecsvax!julian

From -609291164623332846
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,772fe1d3744d0728,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-26 01:48:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!linus!decvax!tektronix!hplabs!nsc!proper!ksj
From: ksj@proper.UUCP (Kent Johnson)
Newsgroups: net.micro.apple
Subject: Graphics diversion for Mac
Message-ID: <1541@proper.UUCP>
Date: Sun, 26-Aug-84 04:48:57 EDT
Article-I.D.: proper.1541
Posted: Sun Aug 26 04:48:57 1984
Date-Received: Thu, 30-Aug-84 08:32:19 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 23

Here is a short MBASIC program inspired by rain falling in a puddle.
It gets better the longer you watch. Enjoy!
     --Kent Johnson
       { decvax!sun!amd, hplabs!nsc, ihnp4!dual } !proper!ksj
============================cut here============================
```
10 REM Rain, by Kent Johnson
20 REM A graphics diversion.
30 REM
40 RANDOMIZE TIMER
50 CLS
60 IF (RND>.5) THEN COLOR%=33 ELSE COLOR%=30
70 X=RND*490:Y=RND*280
80 OUTER=70*RND
90 STEPSIZE=2*RND^2
100 STEPINC=2.5*RND^2
110 IF STEPSIZE+20*STEPINC<1 THEN STEPINC=STEPINC+.25
120 INNER=(STEPSIZE+STEPINC)*RND
130 I=INNER
140 WHILE I<OUTER
150     CIRCLE (X,Y),I,COLOR%
160     I=I+STEPSIZE: STEPSIZE=STEPSIZE+STEPINC
170 WEND
180 GOTO 60
```

From 7995542315497816629
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d1fa5e5a9b5c0145,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-26 14:53:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!linus!decvax!dartvax!robertm
From: robertm@dartvax.UUCP (Robert P. Munafo)
Newsgroups: net.micro.apple
Subject: Using MacPut with beta MacTerminal
Message-ID: <2352@dartvax.UUCP>
Date: Sun, 26-Aug-84 17:53:38 EDT
Article-I.D.: dartvax.2352
Posted: Sun Aug 26 17:53:38 1984
Date-Received: Thu, 30-Aug-84 19:26:49 EDT
Organization: Dartmouth College
Lines: 16

I am using beta MacTerminal 0.5 with an 11/750 running Unix; the terminal
is connected to the VAX through a (theoretically transparent) local-area
network. I am still having the transfer problems that some others here have
been having: Macput compiles fine, after issuing the command
"macput -r melody.dl" the Mac puts up the "percent of transfer finished"
meter and trandfers about 20% of the file. Then the meter stops moving,
and after about 20 seconds the Mac tells me "GOT IO Error 1 Got BadResult -
getFork(resFork.". It appears that my connection is not dealing properly
with some aspect of the packet acknowledge aspect of xmodem (or something.)
One person has said that it might help to have the terminal directly wired
to the VAX, but I don't feel like carrying my Macintosh into the machine
room and plugging it into the back of an 11/780 just to play "melody"!!
    Let's get this bug fixed, guys! (please?)
--

  Robert P. Munafo   ...!{decvax,cornell,linus}!dartvax!robertm

From 2871423924415708116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1420b6,33b0cc62e0b4fe24,start
X-Google-Attributes: gid1420b6,public
X-Google-Thread: 16595b,33b0cc62e0b4fe24,start
X-Google-Attributes: gid16595b,public
X-Google-Thread: 1622d3,33b0cc62e0b4fe24,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 06:42:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!zir
From: zir@drutx.UUCP (ZirinskyM)
Newsgroups: dr.general,dr.wanted,net.micro.apple
Subject: epson printer for sale
Message-ID: <987@drutx.UUCP>

Date: Mon, 27-Aug-84 09:42:42 EDT
Article-I.D.: drutx.987
Posted: Mon Aug 27 09:42:42 1984
Date-Received: Tue, 28-Aug-84 00:37:43 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 15

I have just upgraded my computer system and I find that I
don't need two printers. This printer has been excellently
maintained and has performed flawlessly for me in the past.

The device is an Epson MX-80 with graphtrax (this enables
bit-mapped graphics). It has been modified for continuous
service by the addition of a cooling fan (cools the logic
board and he print head).

And, the best part about it is the price: $190.00.

Mark Zirinksy
(303) 538-1063
(303) 278-0463

From -5802598164096972728
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b57bf5dd2efb8e07,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 10:12:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druky.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!druky!ddc
From: ddc@druky.UUCP (CusterDD)
Newsgroups: net.micro.apple
Subject: Apple term emulator wanted
Message-ID: <747@druky.UUCP>
Date: Mon, 27-Aug-84 13:12:24 EDT
Article-I.D.: druky.747
Posted: Mon Aug 27 13:12:24 1984
Date-Received: Tue, 28-Aug-84 23:42:27 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 17

HELP!

I am supposed to be teaching a C programming course at Front Range Community
College. The problem is the Apple computers to be used as terminals don't
have any software to emulate a terminal.

I DESPERATELY need a public domain terminal emulation program for Apple 2e,
and a suitable termcap (UNIX System V).

Anybody have a solution?

Thanks,

David Custer
AT&T Information Systems Labs
(303) 538-3517
druky!ddc

From -8411374353192936653
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,db485cb96ce6e49d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 10:52:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site bentley.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!bentley!fjh
From: fjh@bentley.UUCP (FJ Hirsch)
Newsgroups: net.micro.apple
Subject: Macintosh desk accessory installer/launcher
Message-ID: <470@bentley.UUCP>
Date: Mon, 27-Aug-84 13:52:40 EDT
Article-I.D.: bentley.470
Posted: Mon Aug 27 13:52:40 1984
Date-Received: Tue, 28-Aug-84 00:50:06 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 9

For those that don't have access to ARPA I am posting
the desk installer/launcher by Michael Schuster. It is in
net.sources (<466@bentley.UUCP>).

Thanks to Bill Croft for mailing it to me.

--

<*> Fred Hirsch <*> AT&T Bell Laboratories <*> ihnp4!bentley!fjh <*>

From 6321273633377636335
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,16c6cea44603175a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 14:34:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ios.UUCP
Path: utzoo!linus!decvax!decwrl!sun!qubix!ios!daves
From: daves@ios.UUCP (David B. Schnepper)
Newsgroups: net.micro.apple
Subject: DVORAK for Mac?
Message-ID: <165@ios.UUCP>
Date: Mon, 27-Aug-84 17:34:13 EDT
Article-I.D.: ios.165
Posted: Mon Aug 27 17:34:13 1984

Date-Received: Thu, 30-Aug-84 09:25:22 EDT
Organization: Integrated Office Systems, Cupertino CA
Lines: 11

Does anyone know how to reset the Mac to use a
DVORAK format keyboard? One of the Apple
reps at OAC assured me it can be done, and now
that I have mine I'ld like to give it a try.
Anyone done this?

  Reply to the net please.

Dave Schnepper
ios!daves

From 6290666036025444552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 16595b,54003fa179375156,start
X-Google-Attributes: gid16595b,public
X-Google-Thread: 10e5a9,54003fa179375156,start
X-Google-Attributes: gid10e5a9,public
X-Google-Thread: 125017,54003fa179375156,start
X-Google-Attributes: gid125017,public
X-Google-Thread: 15f443,54003fa179375156,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,54003fa179375156,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 14:52:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!zir
From: zir@drutx.UUCP (ZirinskyM)
Newsgroups: net.graphics,net.wanted,att.wanted,dr.wanted,net.micro.apple
Subject: apple stuff wanted
Message-ID: <999@drutx.UUCP>
Date: Mon, 27-Aug-84 17:52:23 EDT
Article-I.D.: drutx.999
Posted: Mon Aug 27 17:52:23 1984
Date-Received: Tue, 28-Aug-84 00:32:01 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 29

I am looking for peripherals for an Apple II+/IIe system
(I will consider a complete system, depending).

Specifically, I am looking for a daisywheel printer, an Epson
LQ1500, and an Epson RX-80 or FX-80
Also very interested in graphics capabilities. Specifically,
graphics boards, graphics software (legal only), digitizers
and display boards, also digiting and graphics tablets.

I need to acquire a mouse, for the game I/O post, if such a
thing exists.

I am also interested in a voice synthesizer, and analog/
digital boards. A robotics controller card would be useful.

I will but these items inside of (14) fourteen days, new or
used. Either leave me e-mail if you have something available,
(please quote me a price) or give me a call,

Mark Zirinsky
AT&TIS
(303) 538- 1063
Ztech
(303) 278- 0463

From 2474288286499579254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8dd176c54f84d23a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 18:55:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Need new rmaker.c
Message-ID: <323@aluxe.UUCP>
Date: Mon, 27-Aug-84 21:55:31 EDT
Article-I.D.: aluxe.323
Posted: Mon Aug 27 21:55:31 1984
Date-Received: Tue, 28-Aug-84 01:28:06 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 13

SUMacC stuff...

Could someone please post the new "rmaker.c" source to the net. I have been
trying to compile "calendar" and "print", but my rmaker doesn't understand
drvr's.

Thanks very much..

Lonnie Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -1470925459494031884
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,1e2a70cd98ff87d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-27 23:55:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!zps!digger
From: digger@zps.UUCP (Scott A. Miles)
Newsgroups: net.micro.apple
Subject: Re: Z-80 CARD PROBLEMS
Message-ID: <167@zps.UUCP>
Date: Tue, 28-Aug-84 02:55:26 EDT
Article-I.D.: zps.167
Posted: Tue Aug 28 02:55:26 1984
Date-Received: Thu, 23-Aug-84 00:50:00 EDT
References: sri-arpa.12627
Lines: 7

What speed is the z80 running at?? If it's a Z80B then it is
probably running at 6mhz and that is too fast for the apple ram!!

scott miles
zehntel!zps!digger

From -1250232757585002740
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,669c22ed711680cf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 06:25:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site bentley.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!bentley!fjh
From: fjh@bentley.UUCP (FJ Hirsch)
Newsgroups: net.micro.apple
Subject: Macintosh: Hardware for Applebus/Ethernet Gateway
Message-ID: <473@bentley.UUCP>
Date: Tue, 28-Aug-84 09:25:40 EDT
Article-I.D.: bentley.473
Posted: Tue Aug 28 09:25:40 1984
Date-Received: Wed, 29-Aug-84 00:49:41 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 182

@This is for you who don't have ARPA access.@
@Thanks to Bill Croft for mailing this to me.@

HARDWARE FOR APPLEBUS - ETHERNET GATEWAY

Bill Croft and Nick Veizades
Stanford SUMEX project.

1. INTRODUCTION

The gateway is a multibus system consisting of 3 cards:

"SUN" CPU board, 8 or 10 MHz, 256K RAM; in other words, the cheapest 68K board you can find; several companies make these, ours are from Forward Technology. You don't need DMA access or anything fancy.

INTERLAN NI3210 10mb ethernet card. This has onboard memory, so DMA is not needed on the processor. The Intel 82586 ethernet chip does automatic buffer chaining of packets.

SUMEX applebus card. This is described below; it contains about 6 chips and can be wirewrapped in an afternoon.

Other hardware required:

5 slot multibus backplane; Electronics Solution's work well.

Power supply; small switchers run cool.

Ethernet tranceiver (we use TCL), and cable.

Ribbon cable from CPU (50 cond) to two ribbon DB-25 connectors; these are the console and downline load serial lines.

Applebus tap and mini-DIN connectorized cable (from Apple).

2. SUMEX APPLEBUS CARD

2.1 PARTS

ARTEC (phone 415-592-2740) "multibus multipurpose interface board" ($165).
This board comes with the bus buffering and control logic all setup.
All you basically have to do is connect up your data IO lines and chip select.

ZYLOG Z8530 SCC; serial communications controller.

AMD 26LS32B; quad differential line receiver.

AMD 26LS30; dual differential tri-stateable driver.

DB-9, PC board mount, female.

7492; divide by six.

DIP pullup resistor pack (Beckman B98-1-R6.8K) 15 resistors.

XTAL, 22.1184 MHz; this is a "standard" frequency found in most stores.

Single package TTL oscillator, OR:

    74S04; clock "oscillator".

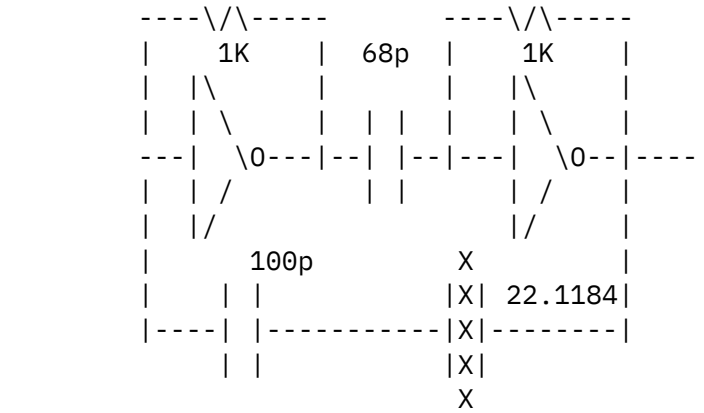
    2 1K resistors.

    100 pf capacitor.

    68 pf capacitor.

2.2 WIRING: OSCILLATOR

If you don't use a single package oscillator, this simple circuit acts as one: (you might run the output though a couple more spare inverters in the S04 to further "clean it up")



2.3 WIRING: 7492 (divide by six)

from	pin	to	pin
OSC 22.1184 MHz		B input	1
gnd		gnd	10
+5		Vcc	5
gnd		reset inputs	6,7
Qd output	8	SCC PCLK	20

The PCLK is derived as follows: 22.1184 MHz divided by 6 gives 3.67864 MHz; this is connected to the SCC PCLK, RTxCA, and RTxCB. In the digital phase lock loop mode, the SCC divides PCLK by 16 to get the FM0 sample rate: 3.67864 / 16 = 230400 bits per second.

2.4 WIRING: Z8530 SCC

from	pin	to	pin
gnd		gnd	31
+5		Vcc	9

```
7492 output   8         PCLK      20
PCLK      20        RTxCA,RTxCB   12,28
board DOUT    0 thru 7  board DIN 0 thru 7
board DOUT/IN 0         D0        40
board DOUT/IN 1         D1        1
board DOUT/IN 2         D2        39
board DOUT/IN 3         D3        2
board DOUT/IN 4         D4        38
board DOUT/IN 5         D5        3
board DOUT/IN 6         D6        37
board DOUT/IN 7         D7        4
pullup on each data line    D0-D7         1,2,3,4,37,38,39,40
board BRD\              board DOUTE\
board BRD\              RD\       36
board BWR\              board DINE\
board BWR\              WR\       35
board BEN\              CE\       33
pullup                  INTACK\       8
pullup                  IEI       7
INT\      5         board INT4\
board buffered INT4\        board multibus     37
board ADR0              A/B\      34
board ADR1              D/C\      32
TxDA      15        LS30 in A 2
RTSA\         17        LS30 enb B\   3
LS32B out A   3         RxDA      13
```

2.5 WIRING: 26LS32B receiver

```
from      pin       to        pin

DB9       8         A in +        2
DB9       9         A in -        1
A out         3         SCC RxDA  13
gnd               enable\       12
gnd               gnd       8
+5                Vcc       16
```

2.6 WIRING: 26LS30 driver

```
from      pin       to        pin

SCC TxDA  15        A in      2
SCC RTSA\ 17        B enb\        3
out A         15        DB9       4
out B         14        DB9       5
gnd               mode      4
gnd               gnd       5
+5                Vcc       1
```

2.7 WIRING: other board straps and switches

S1 - IO MAP
S2 - 0110 0000 0000; sets board address to 0x1f6000
S3 - all bits of address significant
ACK DELAY: XACK to CCLK*6

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May be used but not sold without permission.

--

<*> Fred Hirsch <*> AT&T Bell Laboratories <*> ihnp4!bentley!fjh <*>

From 4496431518228956615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26ba2e3186849773,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 06:29:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site bentley.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!bentley!fjh
From: fjh@bentley.UUCP (FJ Hirsch)
Newsgroups: net.micro.apple
Subject: Macintosh: Posting of rmaker.c in net.sources
Message-ID: <474@bentley.UUCP>
Date: Tue, 28-Aug-84 09:29:45 EDT
Article-I.D.: bentley.474
Posted: Tue Aug 28 09:29:45 1984
Date-Received: Wed, 29-Aug-84 00:49:58 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 5

I have posted the source for the new rmaker.c in net.sources on usenet.
(<471@bentley.UUCP>). Thanks to Bill Croft for mailing it to me..
--

<*> Fred Hirsch <*> AT&T Bell Laboratories <*> ihnp4!bentley!fjh <*>

From -5562449829470079673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a240d89b752d031d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 07:51:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Is the Apple net still alive? - (nf)

Message-ID: <2598@harpo.UUCP>
Date: Tue, 28-Aug-84 10:51:30 EDT
Article-I.D.: harpo.2598
Posted: Tue Aug 28 10:51:30 1984
Date-Received: Thu, 30-Aug-84 11:47:00 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 7

#N::37600011:000:88
!bob   Aug 28 10:51:00 1984

No news has appeared at BTL Whippany on this net in over a month. Is it still
active?

From -141037915464970318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8cc729a19408342,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 09:06:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucf-cs.UUCP
Path: utzoo!linus!decvax!mcnc!duke!ucf-cs!yiri
From: yiri@ucf-cs.UUCP (David)
Newsgroups: net.micro.apple
Subject: Modem for Apple][+ (& 16k ram card)
Message-ID: <1453@ucf-cs.UUCP>
Date: Tue, 28-Aug-84 12:06:51 EDT
Article-I.D.: ucf-cs.1453
Posted: Tue Aug 28 12:06:51 1984
Date-Received: Thu, 30-Aug-84 10:50:23 EDT
Organization: UCF, Orlando, FL
Lines: 4

Hayes Micromodem][(300 baud) hardwired for interrupts to drive printer.
Several software packages included. For those who like to tinker, I have
a 16k ram card with a bad chip. (I simply replaced the card.)
You can write me at: 4412 Southmore Drive, Orlando, Fl., 32812

From 1039435569207070096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a240d89b752d031d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 09:10:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Is the Apple net still alive? - (nf)
Message-ID: <2599@harpo.UUCP>

Date: Tue, 28-Aug-84 12:10:51 EDT
Article-I.D.: harpo.2599
Posted: Tue Aug 28 12:10:51 1984
Date-Received: Thu, 30-Aug-84 11:48:03 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 7

#N::37600011:000:88
!bob   Aug 28 10:51:00 1984

No news has appeared at BTL Whippany on this net in over a month. Is it still
active?

From -7457465778824247599
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c6866bee3909a002,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 159752,c6866bee3909a002,start
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,c6866bee3909a002,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 10:13:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!abnjh!nova
From: nova@abnjh.UUCP (Scott Allen)
Newsgroups: net.micro.apple,net.wanted,net.sources
Subject: Wanted: Help on SUMMACC
Message-ID: <818@abnjh.UUCP>
Date: Tue, 28-Aug-84 13:13:22 EDT
Article-I.D.: abnjh.818
Posted: Tue Aug 28 13:13:22 1984
Date-Received: Thu, 30-Aug-84 02:07:49 EDT
Organization: AT&T Information Systems
Lines: 27

August 28, 1984

Does anyone have information about SUMMAC? This compiler for the Macintosh
evidently was posted to the net a while ago but no one has been able to tell
me when.

I assume that SUMMAC is a c compiler that runs on a system other than a Mac
and transfers the executable code to the Mac. I use a VAX 11/780 that runs
UNIX System V.

Any and all help would be appreciated.

Scotty

Scott Allen
ATT-IS
Orlando, Florida
..!abnjh!nova

From 1762268462321877749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,91cb4335e65aa770,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 15:20:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site sftig.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxm!sftig!rbt
From: rbt@sftig.UUCP
Newsgroups: net.micro.apple
Subject: Apple 2e advice needed
Message-ID: <452@sftig.UUCP>
Date: Tue, 28-Aug-84 18:20:38 EDT
Article-I.D.: sftig.452
Posted: Tue Aug 28 18:20:38 1984
Date-Received: Wed, 29-Aug-84 01:17:17 EDT
Organization: AT&T Bell Laboratories, Summit, NJ
Lines: 61

I have decided to buy an Apple 2e for home use. Things I plan to use it for include --

#1 As a very smart terminal for work at home (I have a hardcopy terminal and a modem now, which I hope to put the Apple in-between so I can have a the equivalent of a video terminal with an attached printer.)

#2 As an educational aid for my kids (ages 4 and 6, now, but growing before my very eyes!). In particular I want to teach them programming, and I was much impressed with LOGO for that purpose when I had a chance to play with it for a week on my brother's Adam.

#3 As a games machine. Apple seems to have lots of good software in this line.

#4 As a software hacker's hobby machine. The 6502 is an interesting architecture, if a trifle old and grodey. Its limitations should make for an interesting challenge after 15 years of working on maxi-computers.

The above are not necessarily in priority order. My questions are --

Is #1 feasible? What special hardware do I need? An 80 column card and a hi-res monochrome monitor seem to be necessary, as do two RS232C serial interfaces, do I need anything else?

What version of LOGO is best for #2? There seem to be several available for the Apple. Anybody got any suggestions?

I expect #3 to take care of itself, but it looks like a color monitor will be required for maximum enjoyment. Can I get away with a 'cheap' color monitor (I can't stand the colored fringes around text when a standard color TV set is used for this purpose, so the really cheap alternatives are not acceptable.) Does anybody have a suggestion for the way to go on this? From the looks of the price lists I have seen, it appears that a cheap color monitor and a good monochrome monitor is less expensive as a combination than a single color monitor good enough to use as an 80 column terminal. Can anybody think of any pitfalls with this approach? Can I use the same interface card for both monitors, if I don't try to use them both at once?

As regards #4, What high level languages are available for the Apple? Pascal? C? Modula? Others? Anybody got any experience they want to share? It would seem that anything that would be really useful should generate native code. Are there such things available? How about software development tools. Screen editors? Symbolic debuggers? Linkers? Library software?

Also as regards #4, I have been impressed with OS9 for the 6809. Is there a 6809 add-in card for the Apple 2e? Similarly, the Apple format floppy discs seem awfully small to me, coming from a maxi-computer environment. What is available regarding add on discs. A floppy with about a megabyte on it for under 500 bucks would be nice. Has anybody heard of such a thing? Is there any way to get more on an Apple disc if I write my own software for it? Would full track blocking help? Is APLDOS or PRODOS capable of accepting user written drivers for add-on hardware?

And finally, What books or magazines, (or clubs?) would you suggest as references for the hardware and software internals. I don't like being talked down to, so the more nitty-gritty the better as far as I am concerned.

I will summarize any answers I get, so please reply by mail to --

Rick Thomas
{any backbone site}!ihnp4!btlunix!rbt
or phone me
(201)-522-6062

Thanks! in advance.

From -5432873092850710584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 17:39:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site hocsl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!pegasus!hocsl!dmt

From: dmt@hocsl.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <157@hocsl.UUCP>
Date: Tue, 28-Aug-84 20:39:11 EDT
Article-I.D.: hocsl.157
Posted: Tue Aug 28 20:39:11 1984
Date-Received: Wed, 29-Aug-84 05:18:33 EDT
References: <139@apple.UUCP>
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 7

REFERENCE: <139@apple.UUCP>

There is an article in the current (Aug 84) BYTE,
which benchmarks various UN*X implementations on
various machines. Judging from their results,
LISA with Sys III+ is the slowest of the slow.
Even the IBM PC XT implementations were much faster.

From -7992015472336188245
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b9d33afa0175abd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-28 19:34:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Calendar.dl sources posted to net.sources
Message-ID: <326@aluxe.UUCP>
Date: Tue, 28-Aug-84 22:34:39 EDT
Article-I.D.: aluxe.326
Posted: Tue Aug 28 22:34:39 1984
Date-Received: Wed, 29-Aug-84 05:35:47 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 24

<>

I have just successfully compiled and downloaded Calendar, by
Mike Schuster at CALTECH. A very useful program!!

I have posted the tohex'ed source (calendar.dl) for the benefit of those who
who don't have access to a 4.2 machine running SUMacC. The source
can be found in net.sources.

To install the Desk Accessory..

fromhex < calendar.dl > calendar.rsrc

macput -r calendar

launch calendar, take a look at the Desk Accessory with the apple menu,
if you want it in that system disk, (I'm sure you will), pull
down INSTALL. Thats it.

Lonnie Abelbeck
AT&T Bell Laboratories
aluxe!lra

From 5678334554781868293
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d2b5a30069a5bc8e,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,91cb4335e65aa770
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-08-29 10:35:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!abnjh!usenet
From: usenet@abnjh.UUCP (usenet)
Newsgroups: net.micro,net.micro.apple
Subject: Apple 2e advice needed
Message-ID: <827@abnjh.UUCP>
Date: Wed, 29-Aug-84 13:35:14 EDT
Article-I.D.: abnjh.827
Posted: Wed Aug 29 13:35:14 1984
Date-Received: Thu, 30-Aug-84 02:11:19 EDT
Organization: ATTIS, NJ
Lines: 69

Sorry if this is a duplicate posting for some of you. I dont think this got
very far the first time I posted it.

I have decided to buy an Apple 2e for home use. Things I plan to use
it for include --

#1 As a very smart terminal for work at home (I have a hardcopy
terminal and a modem now, which I hope to put the Apple in-between so
I can have a the equivalent of a video terminal with an attached printer.)

#2 As an educational aid for my kids (ages 4 and 6, now, but
growing before my very eyes!). In particular I want to teach them
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I will summarize any answers I get, so please reply by mail to --

Rick Thomas
{any backbone site}!ihnp4!btlunix!rbt
or phone me
(201)-522-6062

Thanks! in advance.

From -7549273987327235294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 117b2d,34d424aec542258c,start
X-Google-Attributes: gid117b2d,public
X-Google-Thread: 129c11,34d424aec542258c,start
X-Google-Attributes: gid129c11,public

X-Google-Thread: 1622d3,34d424aec542258c,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,34d424aec542258c,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-08-29 18:29:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!vax135!cornell!uw-beaver!
tektronix!hplabs!nsc!proper!dsmith
From: dsmith@proper.UUCP (David Smith)
Newsgroups: net.lan,net.micro,net.micro.apple,net.micro.pc
Subject: Nestar PLAN users
Message-ID: <1555@proper.UUCP>
Date: Wed, 29-Aug-84 21:29:05 EDT
Article-I.D.: proper.1555
Posted: Wed Aug 29 21:29:05 1984
Date-Received: Sat, 1-Sep-84 11:00:12 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 14

[If this line is missing, call BUGBUSTERS at 1-800-654-1984]

     Does anyone else out there in Netland use a Nestar PLAN series
Local Area Network? We at Galileo HS (not Proper) currently have three,
if you can call the old Cluster 1 (PLAN 1000) one of the series. I'd
like to find people who are also using the things and trade info on them.
Heaven knows that the only way to find anything out the way Nestar
supports us!
               David Smith @ Proper Unix

USnail:Galileo Computer Center
     1150 Francisco St.
     San Francisco, CA 94109
     (415) 474-0319 or (415)771-3150 x46

From -2215924650020563254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 06:49:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!fortune!hpda!
hplabs!sdcrdcf!sdcsvax!akgua!mcnc!decvax!ittvax!wxlvax!pshell
From: pshell@wxlvax.UUCP (Peter Shell)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <312@wxlvax.UUCP>
Date: Fri, 29-Jun-84 09:49:28 EDT
Article-I.D.: wxlvax.312
Posted: Fri Jun 29 09:49:28 1984

Date-Received: Fri, 13-Jul-84 23:41:14 EDT
References: <964@eosp1.UUCP> sun.1328
Lines: 2

New mac bboard? yes.

From 5646381031432789462
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 08:40:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <1030@hao.UUCP>
Date: Fri, 29-Jun-84 11:40:30 EDT
Article-I.D.: hao.1030
Posted: Fri Jun 29 11:40:30 1984
Date-Received: Mon, 2-Jul-84 00:19:13 EDT
References: <964@eosp1.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 7

[]
Count me in as a vote for net.micro.mac
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!ward
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From 4081637241986578139
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c954a72385905bb3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 09:07:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihima.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!ihima!krstan
From: krstan@ihima.UUCP (Keith Stanley)
Newsgroups: net.micro.apple
Subject: Re: Emacs for the //e
Message-ID: <195@ihima.UUCP>
Date: Fri, 29-Jun-84 12:07:56 EDT
Article-I.D.: ihima.195

Posted: Fri Jun 29 12:07:56 1984
Date-Received: Sun, 1-Jul-84 05:44:34 EDT
References: <1395@sri-arpa.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 17

The most similar editor that I have found to Emacs under Apple-Dos
is Pie Writer. It uses control characters and escape-control
characters for commands. It is not in the same league as the CP/M
editors such as Mince or Perfect Writer, but the style is similar to
Emacs and roff.

Keith R. Stanley
...ihnp4!ihima!krstan
AT&T Bell Laboratories
(312)-979-6014

--

Keith R. Stanley
ihima!krstan
4B-144 x6014

From -2366699307219202972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783aff73712ddd9e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 11:20:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
MKrigel.ES@XEROX.ARPA
From: MKrigel.ES@XEROX.ARPA
Newsgroups: net.micro.apple
Subject: Re: garbage in garbage out
Message-ID: <1456@sri-arpa.UUCP>
Date: Fri, 29-Jun-84 14:20:00 EDT
Article-I.D.: sri-arpa.1456
Posted: Fri Jun 29 14:20:00 1984
Date-Received: Sun, 8-Jul-84 08:47:42 EDT
Lines: 13

> "Our research staff has been able to uncover a list of new
> op-codes that distinguish the 6503 as a breakthrough in
> computer technology."

You forgot one:

HCF - Halt and Catch Fire.

Marc

From 8390526869081950917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,78ff8554363a4557,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 11:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!KLOTZ@mit-oz
From: KLOTZ%mit-oz@sri-unix.UUCP
Newsgroups: net.micro.apple
Subject: Mac
Message-ID: <1453@sri-arpa.UUCP>
Date: Fri, 29-Jun-84 14:30:00 EDT
Article-I.D.: sri-arpa.1453
Posted: Fri Jun 29 14:30:00 1984
Date-Received: Sun, 8-Jul-84 08:48:36 EDT
Lines: 11

From: "Leigh L. Klotz" <KLOTZ@mit-oz>

I see no reason to discuss the Mac at all on this list. There's a fine
list created explicitly for the purpose of discussing the Macintosh. The
Mac stuff, being new&exciting, could easily crowd out fruitful discussions
of new IIc/IIe ideas and problems. I imagine there's still a thing or two
to say about the II+ also.

Let's restrict ourselves to Apple II* and peripherals here. Like many
others, I'm on both lists and don't want to see the same thing twice
from people who haven't seen it on one list or the other.

From -5577068321473104215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,745e069f47f1661a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 19:51:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!uw-june!dragon
From: dragon@uw-june (Brian Matthews)
Newsgroups: net.micro.apple
Subject: Re: MacWrite bug
Message-ID: <1669@uw-june>
Date: Fri, 29-Jun-84 22:51:56 EDT
Article-I.D.: uw-june>.1669
Posted: Fri Jun 29 22:51:56 1984
Date-Received: Tue, 3-Jul-84 02:48:53 EDT

References: <1406@proper.UUCP>
Organization: U. Washington, Computer Sci
Lines: 11

I've seen this bug also, and I believe it happens only when the stuff
to the left of the regular margin (the bullet or number and period) is
followed by a tab. I was recently doing a memo with some itemized
stuff that I put bullets in front of, followed by tabs. I then went
back and full-justified the items, and all the bullets disappeared.
The solution was to replace the tabs with spaces of different sizes.
It takes a little work to get the justification correct, but it works.
Definitely a kludgey solution, but it works.

Brian
...uw-june!dragon

From -4430753608226329470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f0b65283d4e6db3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 22:36:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP ()
Newsgroups: net.micro.apple
Subject: Re: Speed of Apple Drives (Pascal vs. CP/M and DOS)
Message-ID: <2926@rabbit.UUCP>
Date: Sat, 30-Jun-84 01:36:13 EDT
Article-I.D.: rabbit.2926
Posted: Sat Jun 30 01:36:13 1984
Date-Received: Sun, 1-Jul-84 06:37:21 EDT
References: <330@pucc-i>, <375@ames-lm.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 17

Sorry to contradict everything said so far, but THE fastest disk access
for apple is using a routine called RWT. No that wasn't a typo. I do
not mean RWTS. I mean Read/Write a Track. No sectors. Sectors slow
the whole mess down.

There is a trade-off: convenience v. speed.

You have to copy these disks with a nibble copier, and its no good for
multiple file handling. It is great if you need reams of data (say for
a spelling correction program) very quickly.

I know of no such markewted utility, so you'd have to write your own
DOS. too bad.

Steve Hawley

<allegra,alice>!rabbit!sdh

From 6726575547386950774
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4648e150544c816,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-30 14:33:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uicsl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!uiucdcs!uicsl!keller
From: keller@uicsl.UUCP
Newsgroups: net.micro.apple
Subject: Apple Mouse Pin Outs? - (nf)
Message-ID: <5800002@uicsl.UUCP>
Date: Sat, 30-Jun-84 17:33:00 EDT
Article-I.D.: uicsl.5800002
Posted: Sat Jun 30 17:33:00 1984
Date-Received: Tue, 3-Jul-84 02:13:16 EDT
Lines: 12
Nf-ID: #N:uicsl:5800002:000:393
Nf-From: uicsl!keller   Jun 30 16:33:00 1984

#N:uicsl:5800002:000:393
uicsl!keller   Jun 30 16:33:00 1984

I bought a Lisa mouse at a computer store going-out-of-business sale today
and I want to get the pin assignments and electrical specs on the mouse.
At the store we plugged it into a Mac and it worked just like the Mac mouse.
I suspect that the][E mouse is identical.

Could someone send me the info and if possible a pointer to an Apple
technical spec?

-Shaun Keller ...uiucdcs!uicsl!keller

From 4256776591663003756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93061f5d8a394961,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-30 18:21:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
MLY.G.POGO%MIT-OZ@MIT-MC.ARPA
From: MLY.G.POGO%MIT-OZ@MIT-MC.ARPA
Newsgroups: net.micro.apple
Subject: Mailing List Addition
Message-ID: <1477@sri-arpa.UUCP>
Date: Sat, 30-Jun-84 21:21:46 EDT
Article-I.D.: sri-arpa.1477
Posted: Sat Jun 30 21:21:46 1984
Date-Received: Sat, 14-Jul-84 13:15:29 EDT

Lines: 5

.   Kindly add me to your mailing list. My username is MLY.G.POGO@MIT-OZ;
real name is Bob Soron.
.   Thank you

From 1696973150847521362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ec284b705aa2a47f
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ec284b705aa2a47f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-30 21:41:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site bnl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!amd70!decwrl!decvax!mcnc!
philabs!sbcs!bnl!piggott
From: piggott@bnl.UUCP (Christopher Piggott)
Newsgroups: net.micro,net.micro.apple
Subject: Franklin Computer Co.
Message-ID: <499@bnl.UUCP>
Date: Sun, 1-Jul-84 00:41:32 EDT
Article-I.D.: bnl.499
Posted: Sun Jul 1 00:41:32 1984
Date-Received: Thu, 28-Jun-84 04:43:49 EDT
Lines: 20

<----------------------------------->

Well, it's true....Franklin has declared
chapter 11...At this time hopes for re-
organization are not clear, but the gen-
eral opinion is against it's probability.
Once again, the Apple Company who made
better apples than Apple Computer itself
did has declared bankbrutcy (sp)...

Franklin Aces 1200 and 1000 were great
(ARE great) computers, and it's not the
business world's fault that they buckled.
Now it looks more like they helped to
flood the personal computer market just
a little bit more than it is already.
We'll miss you, Franklin....

Comments are more than welcome...

From 4034176350871038728

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4a9f7aa6b11a4674,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-01 11:44:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
cunningh@nosc.ARPA
From: cunningh@nosc.ARPA
Newsgroups: net.micro.apple
Subject: Softerm2 tabbing problem help?
Message-ID: <1489@sri-arpa.UUCP>
Date: Sun, 1-Jul-84 14:44:17 EDT
Article-I.D.: sri-arpa.1489
Posted: Sun Jul 1 14:44:17 1984
Date-Received: Sat, 14-Jul-84 13:15:41 EDT
Lines: 22

From: "Robert P. Cunningham" <cunningh@nosc.ARPA>

I've just acquired Softerm2 (version 1.06, and I'm in the process of
patching up to 1.07) which seems to work fine EXCEPT that ctrl-i tabs
sent from Unix machines are not expanded to tabs on the screen.

The problem seems to persist with whichever terminal emulation I use
(I've tried VT52, VT100 and TVI925), so I suspect it's an artifact of
my configuration or else something I'm doing wrong. The configuration
I'm having problems with is: Apple II+ with Microsoft 16k card, Wesper
80-column card, and Apple Super Serial Card with Hayes Smartmodem 1200.

I'd appreciate hearing from anyone with an idea of what might be
wrong.

Bob Cunningham (cunningh@nosc.ARPA or bob@islenet.UUCP)

p.s. Softronics Inc. will introduce Softerm2 for the IBM PC in July,
at which time they will switch their online response system to a
regular BBS and the Apple SOFTERM.UPDATE file transfer setup for updates
will no longer work. See the latest SOFTERM.NEWS at Softronics for
more info.

From 847801145468657731
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9a9eac45d72ce6a3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-01 20:35:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!decwrl!dec-rhea!dec-
vaxuum!dyer
From: dyer@vaxuum.DEC (Creedence? I *love* Creedence...)
Newsgroups: net.micro.apple
Subject: Create net.micro.mac?

Message-ID: <2187@decwrl.UUCP>
Date: Sun, 1-Jul-84 23:35:21 EDT
Article-I.D.: decwrl.2187
Posted: Sun Jul 1 23:35:21 1984
Date-Received: Tue, 3-Jul-84 02:43:30 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 15

Create net.micro.mac?____

     I've posted an article to net.news.group proposing the creation of
net.micro.mac and soliciting votes pro or con. Votes should be mailed to me.
I'll post results in a week or so.
          <_Jym_>

::::::::::::::: Jym Dyer
::::' :: `:::: Nashua, New Hampshire
::'   ::   `::
::   ::   :: DYER%VAXUUM.DEC@DECWRL.ARPA
::   .:::::.   :: {allegra|decvax|ihnp4|ucbvax}!decwrl!dec-rhea!dec-vaxuum!dyer
::..:' :: `:..::
::::. :: .:::: Statements made in this article are my own; they might not
::::::::::::::: reflect the views of |d|i|g|i|t|a|l| Equipment Corporation.

From 5546022852450622263
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b5c2fd9e4a0a051c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 04:20:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: SUMACC?
Message-ID: <199@mhuxt.UUCP>
Date: Fri, 29-Jun-84 14:11:15 EDT
Article-I.D.: mhuxt.199
Posted: Fri Jun 29 14:11:15 1984
Date-Received: Sun, 1-Jul-84 05:47:25 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

We have only recently started receiving articles from INFO-MAC...
Can anyone tell me what SUMACC is?

                    I'm missing something...
                    Steve Crandall
                    ihnp4!mhuxt!evans

From 6860837302815061269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87a246a86652d3ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 06:01:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: Weird opcodes
Message-ID: <2202@decwrl.UUCP>
Date: Mon, 2-Jul-84 09:01:21 EDT
Article-I.D.: decwrl.2202
Posted: Mon Jul 2 09:01:21 1984
Date-Received: Tue, 3-Jul-84 04:40:51 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 19

This discussion doesn't seem to relate to Apples, but this is where it
started, so...

I can't fathom the Halt-and-branch instruction, maybe it should read
Branch-and-halt?

The MODCOMP II's instruction set includes a series of 26xx (hex)
opcodes. 26FF is unimplemented but not trapped out. It stores 26FF
into the location following the current PC and then executes it.
Discovered accidentally, ended up being used by at least one US Air
Force installation to clear >>core<< memory.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Monday 2nd July 1984, 09:02 EDT by DOSADI::BINDER

From 91591329366548405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d36cde6b27cec1f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 07:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
KJBSF%SLACVM.BITNET@UCB-VAX.ARPA
From: KJBSF%SLACVM.BITNET@UCB-VAX.ARPA
Newsgroups: net.micro.apple
Subject: BITNET mail follows

Message-ID: <1504@sri-arpa.UUCP>
Date: Mon, 2-Jul-84 10:48:00 EDT
Article-I.D.: sri-arpa.1504
Posted: Mon Jul 2 10:48:00 1984
Date-Received: Sat, 14-Jul-84 13:30:25 EDT
Lines: 11

Date: 2 July 1984, 09:46:02 PST
From: KJBSF   at SLACVM
To: CUNNINGH at NOSC.ARPA, INFO-APPLE at BRL.ARPA
Subject: Re: Softerm2 tabbing problem help?

I think the problem with tabbing is most likely caused by your 80-column card. As far as I know, 80-column cards (the ones I've used) do not respond to the Tab ^I character for some reason. A program like Ascii Express has an option to have the tabs expanded in software, before they get to the 80-column card. I've never had any experience with Softerm myself, but you might try to find such an option.

From -2214800094698785726
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,745e069f47f1661a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 08:32:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!linus!decvax!mcnc!philabs!cmcl2!seismo!hao!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell   )
Newsgroups: net.micro.apple
Subject: Re: MacWrite bug
Message-ID: <136@analog.UUCP>
Date: Mon, 2-Jul-84 11:32:37 EDT
Article-I.D.: analog.136
Posted: Mon Jul 2 11:32:37 1984
Date-Received: Sun, 8-Jul-84 00:14:01 EDT
References: <1406@proper.UUCP>
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 10

This bug was mentioned in a posting on Compuserve. The poster of that note said he called Apple Technical Support about it, and that they verified the bug (much to their own surprise!). So I assume that they are aware of the problem.

I have seen no word yet as to whether or when this will be fixed.

Kim Helliwell
hplabs!analog!kim

From 3799115994402049426

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,67cfc717ddd8e79a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 10:40:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!linus!decvax!mcnc!philabs!cmcl2!seismo!hao!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: MacPaint Information Request
Message-ID: <137@analog.UUCP>
Date: Mon, 2-Jul-84 13:40:57 EDT
Article-I.D.: analog.137
Posted: Mon Jul 2 13:40:57 1984
Date-Received: Sun, 8-Jul-84 00:14:14 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 10

Does anyone know how MacPaint documents are stored? Is the bitmap encrypted in any way? How does MacPaint know where to place the image on the 8x10" sheet? Are these questions answered in Inside MacIntosh? Please reply via mail.

Kim Helliwell
hplabs!analog!kim

From -849860966780709349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 122486,c903a37db1df85d8,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 10:52:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro,net.micro.apple,net.news.group
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <552@drutx.UUCP>
Date: Mon, 2-Jul-84 13:52:58 EDT
Article-I.D.: drutx.552
Posted: Mon Jul 2 13:52:58 1984
Date-Received: Tue, 3-Jul-84 02:49:34 EDT
References: <964@eosp1.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 5

Yes: net.micro.apple.32   (mac and lisa)

Ray Davis

From 4162561246218254803
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,310f89c23b7c3608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-02 23:14:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: Language cards (AKA bank-switched memory)
Message-ID: <337@pucc-i>
Date: Tue, 3-Jul-84 02:14:51 EDT
Article-I.D.: pucc-i.337
Posted: Tue Jul 3 02:14:51 1984
Date-Received: Wed, 4-Jul-84 03:25:52 EDT
References: <1360@pur-phy.UUCP> <2869@utah-cs.UUCP>
Organization: Purdue University Computing Center
Lines: 22

> If one writes to an address between $D000 and $FFFF, and the card has not
> been selected (and has not been write protected), the write is still done
> on the language card. Of course, to read the card one has to select it.

This is the basis for an easy way to copy the F8 ROM into RAM (I'll just do one byte):

```
    LDA  $C081    ;Enable ROM read
    LDA  $C081    ; and RAM write (must do it twice)
    LDA  $FFFF    ;this fetches from ROM
    STA  $FFFF    ;this stores in RAM
```

Voila! Write-only memory!

An even easier way on the //e is to call the routine COPYROM at $CF78.
Notice that there is no language card on a //e. The upper 16K is simply called "bank-switched memory," a curious term since ALL the memory on a 128K //e is bank-switched.
--

Dave Seaman   "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From -941084474063947592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,c903a37db1df85d8
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-07-03 05:43:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxa.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!ulysses!gamma!pyuxww!pyuxa!wetcw
From: wetcw@pyuxa.UUCP (T C Wheeler)
Newsgroups: net.micro,net.micro.apple,net.news.group
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <860@pyuxa.UUCP>
Date: Tue, 3-Jul-84 08:43:56 EDT
Article-I.D.: pyuxa.860
Posted: Tue Jul 3 08:43:56 1984
Date-Received: Wed, 4-Jul-84 03:36:16 EDT
References: <964@eosp1.UUCP>, <552@drutx.UUCP>
Organization: Bell Communications Research, Piscataway N.J.
Lines: 23

I disagree with the net.micro.mac idea. I just feel that
creating sub-groups of the same company is a waste of resources.
Let each computer manufacturer have a sub-group. Now that the
builder field is in the process of being weeded out, this should
keep the number of groups down.

Do it like this:

Net.micro
Net.micro.ibm
Net.micro.com
Net.micro.ata
Net.micro.ti
Net.micro.app
Net.micro.whoever
Etc. Etc.

The only wading through articles you will need is at least
in the same ballpark. Don't create separate little niches
for every piece of equipment that falls off the truck. Keep
the same manufacturers together in one place.
T. C. Wheeler

From 2044353420711955908
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e08f7878a4496149,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-03 09:13:00 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
Wiedemann@RADC-MULTICS.ARPA
From: Wiedemann@RADC-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: SIMTEL Apple programs
Message-ID: <1561@sri-arpa.UUCP>
Date: Tue, 3-Jul-84 12:13:00 EDT
Article-I.D.: sri-arpa.1561
Posted: Tue Jul 3 12:13:00 1984
Date-Received: Sat, 14-Jul-84 13:40:11 EDT
Lines: 6

Where can I find the directory of Apple programs on SIMTEL? We have
some folks here who would like to see what's out there. I know how to
find CP/M stuff but where is the Apple specific 'stuff"? Thanx much for
any help!!

Wolf RADC-MULTICS

From -361897319145504476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e800e9d83e2675c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-03 09:45:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site aplvax.UUCP
Path: utzoo!linus!vaxine!wjh12!harvard!seismo!rlgvax!cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Softerm 2, a review
Message-ID: <689@aplvax.UUCP>
Date: Tue, 3-Jul-84 12:45:42 EDT
Article-I.D.: aplvax.689
Posted: Tue Jul 3 12:45:42 1984
Date-Received: Tue, 10-Jul-84 04:38:26 EDT
References: <427@ittral.UUCP> <374@ames-lm.UUCP>
Organization: JHU/Applied Physics Lab, Laurel, MD
Lines: 12

     I would like to present the counter argument to the "SOFTERM 2"
"button debate". I personally like the three extra buttons, because now
I never again have to worry about a ctrl-L flipping the Apple into upper-case,
it is passed on through to vi the way it should. Yet I still have all the
local functionality, I just use the extra buttons to access it. Since I use
my Apple very heavily as a terminal, I am willing to give up the slot for
the ease of use.

--
                        eric
                        ...!seismo!umcp-cs!aplvax!eric

From 8034610007787204788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd313cfc1d44be56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-03 09:48:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 3/23/84; site cbosgd.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!cbosgd!mww
From: mww@cbosgd.UUCP (Mike Warren)
Newsgroups: net.micro.apple
Subject: GraForth and TransForth IIB
Message-ID: <111@cbosgd.UUCP>
Date: Tue, 3-Jul-84 12:48:09 EDT
Article-I.D.: cbosgd.111
Posted: Tue Jul 3 12:48:09 1984
Date-Received: Wed, 4-Jul-84 03:47:20 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Columbus
Lines: 13

I am soliciting evaluations and comments about
two versions of FORTH that I have seen adds for
in BYTE, Creative Computing, and Softalk; namely,
GraForth and TransForth IIB. Both versions run
on Apple II+. Anybody in netland used these products?
Advantages? Disadvantages? I would like to read
your comments.

Thanks in advance,

cbosgd!mww

From 6824614152128634587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e800e9d83e2675c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-04 23:32:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ames-lm.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!ames-lm!barry
From: barry@ames-lm.UUCP (Kenn Barry)
Newsgroups: net.micro.apple
Subject: Re: Softerm 2, a review
Message-ID: <374@ames-lm.UUCP>
Date: Thu, 5-Jul-84 02:32:47 EDT
Article-I.D.: ames-lm.374
Posted: Thu Jul 5 02:32:47 1984
Date-Received: Sun, 1-Jul-84 06:31:18 EDT

References: <427@ittral.UUCP>
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 38

[<+>]

I'd like to second Doug Hall's very positive review of "Softerm 2". I have been using "Softerm" (earlier version - no longer available) for about a year, now, and there is no other terminal software for the Apple that's even in the same league. I can confirm that it performs flawlessly at 9600 baud, and that it does exact terminal emulations - no problems at all with 'vi'.

It also supports a very wide variety of hardware; most serial cards, most modems, most printers and printer interfaces, most 80-column cards.

The only desirable features lacking on my older version of "Softerm" is the ability to upload and download CP/M and Pascal files, and support for XMODEM protocol. These lacks resulted in our buying "Softerm 2" when it appeared.

So why, do you ask, am I not using the newer version? Because "Softerm 2" has one flaw - that card that adds the extra buttons to your keyboard. The Apple I use doesn't have a slot to spare for another card, especially for a card used by only one program. If that won't be a problem for you, then I recommend "Softerm 2" unreservedly, but if your Apple is as crowded as ours is, or if you're running a IIc (no slots), better find another program.

I frankly think the company made a bad decision when they added this card to the package, and I'm hoping the arrival of the IIc on the market will cause them to create a "Softerm 3" that doesn't require it. I also do not understand why the (long, detailed, full-page) ads for "Softerm 2" fail to make any mention of this 'feature'. Perhaps they realized it was not a selling-point, but rather a copy-protection scheme?

But I dilute my praise. To repeat: as long as you're not slot-shy, and can afford the $200.00 price tag, I can't praise this program highly enough. You will not be disappointed.

Kenn Barry
NASA-Ames Research Center
Moffett Field, CA

Electric Avenue: {dual,hao,menlo70,hplabs}!ames-lm!barry

From 2792595313286342468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f0b65283d4e6db3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-04 23:41:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ames-lm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!ames-lm!barry
From: barry@ames-lm.UUCP (Kenn Barry)

Newsgroups: net.micro.apple
Subject: Re: Speed of Apple Drives (Pascal vs. CP/M and DOS)
Message-ID: <375@ames-lm.UUCP>
Date: Thu, 5-Jul-84 02:41:29 EDT
Article-I.D.: ames-lm.375
Posted: Thu Jul 5 02:41:29 1984
Date-Received: Sun, 1-Jul-84 05:19:51 EDT
References: <330@pucc-i>
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 6

[]
     Must correct the previous article - the DOS 3.3 skew is two-descending, and this is the fastest possible sector arrangement, *if* you patch DOS 3.3 so that the software is fast enough to read every other sector. Without the patch, DOS 3.3 misses its first chance at each sector and doesn't catch it 'til a full spin later. That's why it's so slooow.

From -7080196614790604568
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a191a6f2fbbd05c8,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a191a6f2fbbd05c8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-05 07:05:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site iwu1c.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!iwu1c!wodarz
From: wodarz@iwu1c.UUCP (Dennis Wodarz)
Newsgroups: net.micro,net.micro.apple
Subject: USR PAssword problem. HELP!
Message-ID: <245@iwu1c.UUCP>
Date: Thu, 5-Jul-84 10:05:55 EDT
Article-I.D.: iwu1c.245
Posted: Thu Jul 5 10:05:55 1984
Date-Received: Fri, 6-Jul-84 00:31:40 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 37

Help!
     I am having difficulty getting a new USR PAssword Modem to function properly at 1200 baud. I have an Apple //e with a Prometheus Versacard as the serial interface. At 300 baud everything works fine (even vi). At 1200 baud however, the data displayed on the screen and also sent to the host is sometimes garbled. Most often newlines are omitted and solid blocks are printed instead of the proper character. Many characters are lost as well. There is some sort of pattern or regularity to the way the data get mangled however. A string of about 240 A's in a file when printed using the cat command

appears most of the time as a string of about 100 A's and 90 1's.
The Versacard and the jumpers in the modem are set for
eleven bit data words (1 start, 8 data, 2 stop). I tried all
sorts of dip switch combinations but nothing worked.
USR was not much help either. I called them and the person who answered
did not have any idea as to what might be wrong. I called him via
modem and he said that everything was ok. I did not see
any errors at that time either! He was using a ten bit word (
1 start, 7 data, 1 parity, 1 stop) however.
The way I figure it, if everything works fine at
300 baud I must have the jumpers, switches etc. set properly.
USR claims that the modem is ok. Anybody have any ideas as
to what the problem might be?
     I also took my WE Dataphone 300/1200 home from work one day
and without changing anything but the modem I worked at 1200
baud without any problems.   Anybody else ever see this sort of thing?
Is there a solution or is there really something wrong with the modem?
              Any help would be appreciated,

--

                        Dennis Wodarz
                        ihnp4!iwu1c!wodarz
                        312+979-7971

From 5299822303298593098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d9db973a0321faa8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-05 09:54:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccsu3!loral!
simard

From: simard@loral.UUCP (Ray Simard)
Newsgroups: net.micro.apple
Subject: CPS card help?

Message-ID: <225@loral.UUCP>
Date: Thu, 5-Jul-84 12:54:14 EDT
Article-I.D.: loral.225
Posted: Thu Jul 5 12:54:14 1984
Date-Received: Sat, 7-Jul-84 23:56:35 EDT

Organization: Loral Instrumentation, San Diego, CA
Lines: 27

Subject: Wanted..Mountain CPS Card..San Diego
Newsgroups: net.micro.apple
       Our current application at Loral Instrumentation uses an
      Apple][+ computer and software written which requires the use
      of a Mountain Computer CPS card. This card was chosen for its
      clock, which at one time was apparently some sort of a standard
      (or could we have been deceived). Whatever the answer to that

question, it seems that Mountain no longer makes this card, and every distributer contacted so far has no more of these in stock.
  If you have one and would like to sell it, or know of where one (or two) can be found, please let us know. Another option is to find a different card, probably a clock only, which has the same command structure as the Mountain clock.

Thanks in advance.
Please contact one of the following
NICE people if you can help.....

Pat Quigley x-4624
Jim Roseveare x-4572
619-560-5888

--
Ray Simard
Loral Instrumentation, San Diego
{ucbvax, ittvax!dcdwest}!sdcsvax!sdccsu3!loral!simard

From -4151023427160938008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e954fc1e396528be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-05 10:09:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccsu3!loral!simard
From: simard@loral.UUCP (Ray Simard)
Newsgroups: net.micro.apple
Subject: Mountain CPS card help?
Message-ID: <232@loral.UUCP>
Date: Thu, 5-Jul-84 13:09:18 EDT
Article-I.D.: loral.232
Posted: Thu Jul 5 13:09:18 1984
Date-Received: Sat, 7-Jul-84 23:57:04 EDT
Organization: Loral Instrumentation, San Diego, CA
Lines: 26

  Our current application at Loral Instrumentation uses an Apple][+ computer and software written which requires the use of a Mountain Computer CPS card. This card was chosen for its clock, which at one time was apparently some sort of a standard (or could we have been deceived). Whatever the answer to that question, it seems that Mountain no longer makes this card, and every distributer contacted so far has no more of these in stock.
  If you have one and would like to sell it, or know of where one (or two) can be found, please let us know. Another option is to find a different card, probably a clock only, which has the same command structure as the Mountain clock.

Thanks in advance.
Please contact one of the following
NICE people if you can help.....

Pat Quigley x-4624
Jim Roseveare x-4572
619-560-5888

--
Ray Simard
Loral Instrumentation, San Diego
{ucbvax, ittvax!dcdwest}!sdcsvax!sdccsu3!loral!simard

From 8079314539295723680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c69e280a82c20b4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-05 11:57:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!akgua!mcnc!unc!ericksen
From: ericksen@unc.UUCP
Newsgroups: net.micro.apple
Subject: request for Apple Dumpling info
Message-ID: <7410@unc.UUCP>
Date: Thu, 5-Jul-84 14:57:09 EDT
Article-I.D.: unc.7410
Posted: Thu Jul 5 14:57:09 1984
Date-Received: Sat, 7-Jul-84 07:28:13 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 11

Help! Does anyone know anything about
a graphics dump board for the Apple
called the Apple Dumpling?
Who manufactures it?
Also, I need info about its compatibility
with the Grappler+ board. Are they similar?
Any info, technical specs, etc. for the
dumpling would be most appreciated.

Helen Ericksen c/o unc!ericksen

From 2103329135762309563
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,add15062d1596e91,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-05 12:19:06 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: Microsoft Word Copy Protect
Message-ID: <1040@hao.UUCP>
Date: Thu, 5-Jul-84 15:19:06 EDT
Article-I.D.: hao.1040
Posted: Thu Jul 5 15:19:06 1984
Date-Received: Sat, 7-Jul-84 07:09:23 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 19

[]
I understand that The Word from Microsoft will be copy protected in
such a way that the master disk will be required to run the program.

Microsoft's Multiplan is already set up this way, and several people I
know have tried to copy it with no success.

My feeling is that this makes the program worthless - Murphy's law
guarantees that when you *need* that disk to get out a critical
report, it will be found trashed. If you can't steal a program, it's
not worth buying.

Is there anyone who owns a Mac who is going to buy The Word in spite of
the above, and why?
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -1954438877297385820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783aff73712ddd9e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-06 07:29:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site teldata.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
teltone!teldata!tac
From: tac@teldata.UUCP ()
Newsgroups: net.micro.apple
Subject: Re: garbage in garbage out
Message-ID: <416@teldata.UUCP>
Date: Fri, 6-Jul-84 10:29:07 EDT
Article-I.D.: teldata.416
Posted: Fri Jul 6 10:29:07 1984
Date-Received: Sat, 7-Jul-84 02:24:49 EDT

References: <367@ames-lm.UUCP>, <515@spuxll.UUCP>
Organization: Teltone Corp., Kirkland, WA
Lines: 24

, (sop to the blank line eaters--consider it a religious sacrifice)

>> From: ech@spuxll.UUCP (Ned Horvath)
>>
>> These lists of strange op codes resurface from time to time; how about a
>> bit of trivia for you older hackers: the 1401 had a "Halt and Branch"
>> instruction - and it was actually USEFUL. Anybody want to try to explain
>> this one?
>>
>> =Ned=

If my "core" serves me correctly, this instruction would halt until a certain
event happened and then recommence processing. Thus it could be used as an
interrupt without branching.

        From the (Age Old) Soapbox of
        Tom Condon   {...!uw-beaver!teltone!teldata!tac}

        A Bug A Day Keeps Unemployment Away.

DISCLAIMER: The opinions expressed herein are those of everyone who
  matters, but not necessarily anyone you know, and most certainly not
  my employers!

From -6680254526149086175
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,c903a37db1df85d8
X-Google-Attributes: gid122486,public
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-06 07:33:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site teldata.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
teltone!teldata!tac
From: tac@teldata.UUCP ()
Newsgroups: net.micro,net.micro.apple,net.news.group
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <417@teldata.UUCP>
Date: Fri, 6-Jul-84 10:33:26 EDT
Article-I.D.: teldata.417
Posted: Fri Jul 6 10:33:26 1984
Date-Received: Sat, 7-Jul-84 02:25:10 EDT
References: <964@eosp1.UUCP>, <552@drutx.UUCP>
Organization: Teltone Corp., Kirkland, WA
Lines: 16

, (sop to the blank line eaters--consider it a religious sacrifice)

I could live without a new newsgroup for Macs & Lisas *IF* {and I doubt
that it could happen} we could train people to put the *TYPE* of apple
that they are talking about in the subject. Until then, we need a
separate group.

        From the Soapbox of
        Tom Condon   {...!uw-beaver!teltone!teldata!tac}

        An Apple A Day Keeps The ...

DISCLAIMER: The opinions expressed herein are those of everyone who
  matters, but not necessarily anyone you know, and most certainly not
  my employers!

From -796699127158358482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,c7b7117d1c9e8bcf,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12da6b,c7b7117d1c9e8bcf,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 129c11,c7b7117d1c9e8bcf,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,c7b7117d1c9e8bcf,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,c7b7117d1c9e8bcf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-06 10:04:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site vaxine.UUCP
Path: utzoo!linus!vaxine!gnz
From: gnz@vaxine.UUCP (Jim Gonzalez)
Newsgroups: net.lang.c,net.micro,net.micro.apple,net.micro.atari,net.micro.cbm
Subject: Want TinyC for 6502.
Message-ID: <302@vaxine.UUCP>
Date: Fri, 6-Jul-84 13:04:18 EDT
Article-I.D.: vaxine.302
Posted: Fri Jul 6 13:04:18 1984
Date-Received: Sat, 7-Jul-84 04:49:46 EDT
Organization: Automatix Inc., Billerica, MA
Lines: 12

/* . . . . . */

I'm interested in getting tiny C working on an Ohio Scientific
Challenger. For those unfamiliar with it, it's a 6502-based
machine. Therefore, anybody who's succeeded in porting to
an Apple, an Atari or a Pet could be very helpful. Specifically,
I need assembler listings, and any tips on interfacing to the
existing I/O system. Thanks.

-Jim Gonzalez
 Automatix Inc., Billerica, MA
...linus!vaxine!gnz

From 5440158972615474833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ddecf6c5fba9c95,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-06 15:20:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-bee.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
ssc-vax!ssc-bee!eve
From: eve@ssc-bee.UUCP (Michael Eve)
Newsgroups: net.micro.apple
Subject: Prodos flame
Message-ID: <182@ssc-bee.UUCP>
Date: Fri, 6-Jul-84 18:20:15 EDT
Article-I.D.: ssc-bee.182
Posted: Fri Jul 6 18:20:15 1984
Date-Received: Sun, 8-Jul-84 00:58:11 EDT
Organization: Boeing Aerospace, Seattle
Lines: 56

(If this rehashes previous discussion, forgive me, but I am new
to the net. Besides, I'm mad.)

Flame on!

If you have read all of the sweetheart reviews of Prodos, beware!
Apple Computer may have a few gotcha's lurking there.

I just purchased Prodos for my aging Apple][. I bought the standard "User
package" which consists of one disk containing Prodos and an updated FID
program, and a, quote, user's manual, unquote.

The blasted user's manual is not really a guide to Prodos at all, but a
120 page manual for Apple's anemic copy program (the aforementioned FID).

The manual does not contain the commands to access Prodos from Applesoft in
immediate mode (i.e., when you're staring at your screen and want to rename
a file, what do you type in), or in deferred mode (what used to be ^D
commands in the ol' DOS 3.3), or the assembly language interface.

Now I expect a user's manual to an operating system to tell me how to use
the operating system, not just one utility program . (*&^%! 120 pages for a
copy program --- 10 pages would have been quite adequate.)

If you want to use the operating system, there are 2 other manuals to purchase:

1) The Prodos Technical Reference Manual ($40!!!!)
2) Basic Programming with Prodos   (price unknown)

This marketing approach by Apple seems to be just another instance of Apple Computer's disdain for knowledgable programmers and a ripoff of consumers.

Flame off!

A QUESTION:

Does anyone know if there are second sources for information about using, really using, Prodos? Apple certainly seems to have created a niche for a reasonably priced user's manual from somebody like Sam's.

(another question)
If I do buy the manual(s) from Apple, which one should I buy? Does the Technical Reference manual contain all the facts in the Basic Programming manual?

A COMMENT:

For a new operating system, Prodos is still laughably archaic. Filenames cannot begin with a digit so if you have a stock portfolio and want a file on 3M, you have to call it THREE_M or some such nonsense. Isn't it more work to put such restrictions in rather than leaving them out? I am afraid when I finally start using Prodos I will find more such inadequacies.

(Woz, how could you let them do this?)

Mike Eve

From -1682553702688415269
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c9ec7b41772169e4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c9ec7b41772169e4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-06 19:17:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxj!mhuxa!mhuxh!mhuxi!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro,net.micro.apple
Subject: SUMacC Sources??
Message-ID: <249@aluxe.UUCP>
Date: Fri, 6-Jul-84 22:17:50 EDT
Article-I.D.: aluxe.249
Posted: Fri Jul 6 22:17:50 1984
Date-Received: Mon, 9-Jul-84 01:23:30 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 21

FROM INFO-MAC _____
>From: INTMET@BBNA.ARPA

>Anybody know how to cause MacTerminal to force a break onto the communications
>line?   Ben Hyde
>ps. A BIG thanks to the folks a SUMEX for SUMacC and for moderating a great
>list, your sure to get into Computer Science Heaven.
>-------
now from USENET

Well Ben, use the ENTER key to get MacTerminal to do a BREAK.

BUT PLEASE tell us about SUMacC!!! Is it 'C' running on a VAX, that can
download to the Mac? Do you have the sources???

Thanks ...

Lonnie Abelbeck

aluxe!lra

From -6602459348247814405
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a191a6f2fbbd05c8
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a191a6f2fbbd05c8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-07 08:03:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxn.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!hogpc!houxn!rb
From: rb@houxn.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: USR PAssword problem. HELP!
Message-ID: <526@houxn.UUCP>
Date: Sat, 7-Jul-84 11:03:13 EDT
Article-I.D.: houxn.526
Posted: Sat Jul 7 11:03:13 1984
Date-Received: Sun, 8-Jul-84 00:25:37 EDT
References: <245@iwu1c.UUCP>
Organization: AT&T Information Systems, Holmdel NJ
Lines: 13

You probably are suffering from crummy-lineitis!
Check the line with your local telco and find out if the
bandwidth is sufficient for 1200 Baud.   I have used
USR modems for some time and have found them ultra-reliable.
(I've got one running a BBS 24-hours a day!)

Rob Botwin
.....{utah-cs|seismo|decvax}!harpo!eagle!hogpc!houxn!rb
ATT/IS Labs (201) 577-5016 (Cornet 8-270-5016)

From 137235974642395622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a191a6f2fbbd05c8
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a191a6f2fbbd05c8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-07 21:23:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1+some 2/3/84; site dual.UUCP
Path: utzoo!linus!decvax!decwrl!dual!mats
From: mats@dual.UUCP (Mats Wichmann)
Newsgroups: net.micro,net.micro.apple
Subject: Re: USR PAssword problem. HELP!
Message-ID: <658@dual.UUCP>
Date: Sun, 8-Jul-84 00:23:47 EDT
Article-I.D.: dual.658
Posted: Sun Jul 8 00:23:47 1984
Date-Received: Sun, 8-Jul-84 08:43:01 EDT
References: <245@iwu1c.UUCP> <526@houxn.UUCP>
Organization: Dual Systems, Berkeley, CA
Lines: 11

Check the line with the telco to see if it is sufficient for 1200
baud? PLEASE, don't bother. They will tell you that you can't
run any kind of data equipment reliably without buying what they
call a `data line', which costs a bunch extra. For service, you
can ask for a line balancing (I think the Password has a switch
for this, also); if you want service on a poor quality line, you
must demonstrate that VOICE quality is poor.

Mats Wichmann
Dual Systems Corp.
...{ucbvax,amd70,ihnp4,cbosgd,decwrl,fortune}!dual!mats

From -8511851733778133524
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2bc2adb8be9c4ec7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-08 09:24:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!trwrba!cepu!hao!ward
From: ward@hao.UUCP (Mike Ward)
Newsgroups: net.micro.apple
Subject: clickart & other Macflames
Message-ID: <1044@hao.UUCP>
Date: Sun, 8-Jul-84 12:24:23 EDT
Article-I.D.: hao.1044

Posted: Sun Jul 8 12:24:23 1984
Date-Received: Wed, 11-Jul-84 02:41:13 EDT
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 18

[]
In case anyone was impressed by the latest ad for clickart showing
a very nice picture of "David", be aware that what you see is
NOT what you get. What you get is a picture with less than half
the resolution. With the Mac, you could get the picture in the ad on
a page, but not on the screen.

I'm getting a little fed up with the greed and shoddy craftsmanship I've
been seeing in Macproducts. (they say Habadex was ported from the Apple
in two months, and it shows, it shows). I understand that our modern
market mandates products released before they are ready, and while I don't
like it, it's there. But there's *NO* excuse to lie in your ads. If you're
ashamed of the garbage you're selling, don't sell it!
--
Michael Ward, NCAR/SCD
UUCP: {hplabs,nbires,brl-bmd,seismo,menlo70,stcvax}!hao!sa!ward
BELL: 303-497-1252
USPS: POB 3000, Boulder, CO 80307

From -7620269906826903355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ddecf6c5fba9c95
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-08 14:04:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!linus!philabs!cmcl2!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: Prodos flame
Message-ID: <3116@brl-tgr.ARPA>
Date: Sun, 8-Jul-84 17:04:42 EDT
Article-I.D.: brl-tgr.3116
Posted: Sun Jul 8 17:04:42 1984
Date-Received: Tue, 10-Jul-84 07:22:05 EDT
References: <182@ssc-bee.UUCP>
Organization: Ballistics Research Lab
Lines: 13

The ProDOS User's Kit is intended for the naive computer user. The
User's Disk provides the utilities necessary to format volumes, copy
them, rename files, and so forth.

The ProDOS Technical Reference Manual (part of the WorkBench series)
contains complete information for the machine-language programmer.

BASIC Programming with ProDOS explains how to do DOS 3.3-style file

access from Applesoft BASIC. To their credit, Apple has made old
DOS 3.3 BASIC programs continue to work under ProDOS, in spite of
significant structural differences between the two operating systems.

     - from the terminal of a happy ProDOS/ProFile programmer

From -4059151824305488153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4648e150544c816
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-08 19:03:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uicsl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!uiucdcs!uicsl!keller
From: keller@uicsl.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Mouse Pin Outs? - (nf)
Message-ID: <5800003@uicsl.UUCP>
Date: Sun, 8-Jul-84 22:03:00 EDT
Article-I.D.: uicsl.5800003
Posted: Sun Jul 8 22:03:00 1984
Date-Received: Tue, 10-Jul-84 01:34:35 EDT
References: <5800002@uicsl.UUCP>
Lines: 19
Nf-ID: #R:uicsl:5800002:uicsl:5800003:000:840
Nf-From: uicsl!keller   Jul 8 21:03:00 1984

#R:uicsl:5800002:uicsl:5800003:000:840
uicsl!keller   Jul 8 21:03:00 1984

The day after I posted this message I found that the mouse pc card has
labels on the back identifying the connector pins. The button, if I recall
correctly, just grounds one of the pins. I will post the details soon.

A friend of mine and I worked out a simple interface for a Hawley mechanical
mouse that became free when we replaced it with an optical mouse on one of
our Xerox Dandelion Lisp machines. It took about 5 chips to produce parallel
binary out. I designed the circuit and my friend built it and modified
his S100 Z80 system BIOS so that the mouse worked with Wordstar. I suspect
that the Apple mouse has the same coding scheme. I'll post the details when
I try it out.

Since people have been having mouse problems I'm wondering if you can replace
the LED and sensor easily. They seem to be plug-in components.

-Shaun Keller

From 2609787818026389536
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159df4,617cb62f36757e4c,start
X-Google-Attributes: gid159df4,public

X-Google-Thread: 1622d3,617cb62f36757e4c,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,617cb62f36757e4c,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 15517a,617cb62f36757e4c,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-07-08 19:14:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdccs6!ix255
From: ix255@sdccs6.UUCP
Newsgroups: net.micro.68k,net.micro.apple,net.micro.pc,net.micro.cpm
Subject: SuperMicro - Dimension 68000
Message-ID: <1607@sdccs6.UUCP>
Date: Sun, 8-Jul-84 22:14:13 EDT
Article-I.D.: sdccs6.1607
Posted: Sun Jul 8 22:14:13 1984
Date-Received: Tue, 10-Jul-84 07:43:56 EDT
Organization: John Antypas @ UCSD
Lines: 15

Does anyone know anything about this new super micro - the Dimension
68000? It is supposed to be a totally compatable computer. Produced
by microcraft, it is supposed to be 68k powered w. 1 meg. RAM, and the
needed coprocessors to run the IBM, Apple, and CP/M software.
(Includes the 68000, 8086, 6502, and Z80B proc.) Also has drives to
read the majority of 5.25" formats. Anyone ever seen one of these
dream machines. I have sent for info. (The unit can also run UNIX)
Will post anything I get.

                            John Antypas
                            U.C. San Diego

              UUCP: ...!sdcsvax!sdccs6!ix255
              arpa: sdcsvax!sdccs6!ix255@Berkeley

From 2067289290047301225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ae0bbc13c4859116,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-09 04:21:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC830713); site uva.UUCP
Path: utzoo!linus!decvax!mcvax!uva!dolf
From: dolf@uva.UUCP (Dolf Starreveld)
Newsgroups: net.micro.apple
Subject: Format of MacPaint documents
Message-ID: <129@uva.UUCP>
Date: Mon, 9-Jul-84 07:21:37 EDT
Article-I.D.: uva.129
Posted: Mon Jul 9 07:21:37 1984
Date-Received: Tue, 10-Jul-84 07:46:28 EDT

Organization: Comp. Science Dept., University of Amsterdam
Lines: 25

This is what I now of the format of MacPaint:

MacPaint documents use only the data fork of a file, the resource
fork may be ignored. The data fork contains a 512 byte header and then
compressed data, representing a single bitmap of 576 pixels by 720 pixels.

HEADER:
4 bytes   Version number (default = 2)
38 * 8 bytes 304 bytes of patterns
204 bytes reserved for future use

Version number 0 means that the complete header will be ignored and
standard patterns will be used.

BITMAP   (following the header):

720 scanlines of compressed data.
This is 720 times the output of the Packbits routine.

Dolf Starreveld,
University of Amsterdam

{ ... mcvax!uva!dolf }

From -8574752808845642543
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,114488d58f853a19,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-09 05:27:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!abnjh!nova
From: nova@abnjh.UUCP (Scott D. Allen)
Newsgroups: net.micro.apple
Subject: Delay in Mac WORD
Message-ID: <732@abnjh.UUCP>
Date: Mon, 9-Jul-84 08:27:33 EDT
Article-I.D.: abnjh.732
Posted: Mon Jul 9 08:27:33 1984
Date-Received: Tue, 10-Jul-84 01:35:57 EDT
Organization: AT&T Information Systems
Lines: 26

[Into the ol' bit bucket]

I called a mail-order software shop called THE BOTTOM LINE (a good shop by the way) to check on the availability of Microsoft's WORD. They said that Microsoft had to do a major re-write of the system so it wouldn't be out until

November. I guess they wanted to avoid all the hassles they had with MULTIPLAN.

Can anyone out there confirm/deny this rumor? MACWRITE is okay for home letter writing but I need WORD for business.

Thanks in Advance,

Scotty

Scott Allen
ATT-IS
Orlando, Florida
..!abnjh!nova

From -4328068789784283647
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-07-09 07:35:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!jho
From: jho@ihuxn.UUCP (Yosi Hoshen)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <751@ihuxn.UUCP>
Date: Mon, 9-Jul-84 10:35:14 EDT
Article-I.D.: ihuxn.751
Posted: Mon Jul 9 10:35:14 1984
Date-Received: Tue, 10-Jul-84 01:39:06 EDT
References: <964@eosp1.UUCP>, <62@hirst1.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 8

Yes to net.micro.mac
--

Yosi Hoshen
Bell Laboratories
Naperville, Illinois
(312)-979-7321
Mail: ihnp4!ihuxn!jho

From 2733176348083290447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a3fb17e769b155a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-09 09:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!
Thomka.es@XEROX.ARPA
From: Thomka.es@XEROX.ARPA
Newsgroups: net.micro.apple
Subject: Re: Mountain CPS card help?
Message-ID: <1780@sri-arpa.UUCP>
Date: Mon, 9-Jul-84 12:48:00 EDT
Article-I.D.: sri-arpa.1780
Posted: Mon Jul 9 12:48:00 1984
Date-Received: Fri, 13-Jul-84 01:21:18 EDT
Lines: 18

I had a Mountain Computer Real Time Clock, called "The Clock". It was
the first of all Real Time Clocks for the Apple, and it was the pseudo
"standard" of clocks for the Apple. But I sold it because it was a
large board that had a lot of chips that, when using the batteries
(mounted on the back of the board), the power would only last for FOUR
days. In reality, the battery power was only adequate for two days,
though, because after the first two days the power was so low the clock
was no longer even reasonabily accurate.

The latest clock now-a-days that has some nice features and supposedly
has become the "standard" has several different output modes, is the
ThunderWare Clock (also has a time output format that is the same as
"The Clock"). It also is supposed to be the biggest seller of clocks,
thus also kind of making it the new "standard".

You might want to look into that.

     Chuck

From -9021829510302755225
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,114488d58f853a19
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-09 10:02:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!eosp1!byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: Re: Delay in Mac WORD
Message-ID: <989@eosp1.UUCP>
Date: Mon, 9-Jul-84 13:02:43 EDT

Article-I.D.: eosp1.989
Posted: Mon Jul 9 13:02:43 1984
Date-Received: Tue, 10-Jul-84 02:02:45 EDT
References: <732@abnjh.UUCP>
Organization: Exxon Office Systems, Princeton, NJ
Lines: 37

Yes MacWORD is to be delayed. I called Microspft and they confirmed
that there would be a delay. They did say that it would be released in
late August or early September. I do not know whether this is the
correct date or not.

MAJOR FLAME ***** MAJOR FLAME ***** MAJOR FLAME ***** MAJOR FLAME *****
****

Microsoft WORD is going to be COPY PROTECTED (see MacWorld July/August)
and the folks at MS have implemented the copy protect in the following
manner - one can make as many copies of the master disk, but one needs
to start the application with the master disk in the drive. Doesn't
this really defeat the need to make a back-up copy? If your master disk
dies, you STILL can't use WORD anymore.

<END OF FLAME> <EOF> <EOF> <EOF> <EOF> <EOF> <EOF> <EOF> <EOF><EOF>

By the way, I have tried out MacSLOTS which I just goe and it looks
really great. It costs $77.77 and is available from somewhere - it is
listed in the latest MacWorld and St.Mac issues. Backup copies can be
made as it is not copy protected.

There is also a limited C compiler coming out thi fall from Hippotamous
[sic] Software for $150 and a full professional C compiler coming out
sometime in November or December of this year. I am hoping, oh hoping,
for a real language compiler for the Mac.

Thanks all for now.....

-------------------------------------<bh>-------------------------------------
In-Real-Life: Byron Han   USENET: allegra!princeton!eosp1!byron

           Exxon Office Systems BITNET: 6017040@PUCC (out of money)
           500 College Road East   TS2552@OHSTVMA (I'm not there)
           Princeton, NJ 08540
           609-734-9200 ext. 229

From -7450858632325730626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 122486,c903a37db1df85d8
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-07-09 16:15:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.2 beta 4/12/84; site rlgvax.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rlgvax!guy
From: guy@rlgvax.UUCP (Guy Harris)
Newsgroups: net.micro,net.micro.apple,net.news.group
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <2085@rlgvax.UUCP>
Date: Mon, 9-Jul-84 19:15:47 EDT
Article-I.D.: rlgvax.2085
Posted: Mon Jul 9 19:15:47 1984
Date-Received: Tue, 10-Jul-84 08:26:06 EDT
References: <964@eosp1.UUCP>, <552@drutx.UUCP> <860@pyuxa.UUCP>
Organization: CCI Office Systems Group, Reston, VA
Lines: 20

> I disagree with the net.micro.mac idea. I just feel that
> creating sub-groups of the same company is a waste of resources.
> Let each computer manufacturer have a sub-group....
> The only wading through articles you will need is at least
> in the same ballpark.

Prune juice. The only thing the 6502-based Apple micros and the 68000-based micros have in common are the company that makes them, and some of the peripheral equipment available for them. I don't own a Mac or Lisa, but I am interested in them - but I personally have no interest whatsoever in the 6502-based Apples. I'm sure there are people out there who have 6502-based Apples who have no interest in Apple 32s. Perhaps what is needed is a per-manufacturer group and subgroups of those groups for all major distinct product families (i.e., net.micro.pc or net.micro.ibm would probably not need subgroups, as all the PCs form one family, but net.micro.apple would have two subgroups, one for the Apple II family (and possibly Apple III) and one for the Apple 32 family).

Guy Harris
{seismo,ihnp4,allegra}!rlgvax!guy

From -7966699292819228851
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d4c56609ed185169,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-09 16:51:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sol1.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!akgua!sol1!john
From: john@sol1.UUCP
Newsgroups: net.micro.apple
Subject: Test of net.micro.apple (Please Ignore)
Message-ID: <171@sol1.UUCP>
Date: Mon, 9-Jul-84 19:51:20 EDT
Article-I.D.: sol1.171
Posted: Mon Jul 9 19:51:20 1984

Date-Received: Thu, 12-Jul-84 01:27:07 EDT
Organization: THE SOLUTION, Lincoln, NE
Lines: 1

This is a test (Sorry but I had to put it here to test this newsgroup)

From 1243628776482093376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c9ec7b41772169e4
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c9ec7b41772169e4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-10 02:00:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 UW 5/3/83; site uw-beaver
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
furuta
From: furuta@uw-beaver (Richard Furuta)
Newsgroups: net.micro,net.micro.apple
Subject: Re: SUMacC Sources??
Message-ID: <1171@uw-beaver>
Date: Tue, 10-Jul-84 05:00:04 EDT
Article-I.D.: uw-beaver>.1171
Posted: Tue Jul 10 05:00:04 1984
Date-Received: Wed, 11-Jul-84 00:56:36 EDT
References: <249@aluxe.UUCP>
Organization: U of Washington Computer Science
Lines: 14

Yes, SUMacC uses a C cross compiler that runs on a VAX running 4.1 or 4.2
bsd and downloads to the Macintosh. It is still under development and is
undergoing debugging and enhancement. At the present time, it is only
easily available to Internet (e.g., Arpanet) sites. Before you ask, I think
it is probably too large to post to net.sources (>2 megabytes, a certain
amount of which is binary) and I also fear that posting to net.sources would
violate its copyright.

              --Rick

              ...decvax!uw-beaver!furuta (uucp)
              ...ihnp4!uw-beaver!furuta
              or
              Furuta@Washington (ARPAnet and CSNet)

From -3852599285725698289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23dbda2b8ca756bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-10 06:10:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site wnuxb.UUCP

Path: utzoo!watmath!clyde!burl!mgnetp!hw3b!wnuxb!djmolny
From: djmolny@wnuxb.UUCP (Molny)
Newsgroups: net.micro.apple
Subject: Ordering "Inside Macintosh"
Message-ID: <140@wnuxb.UUCP>
Date: Tue, 10-Jul-84 09:10:19 EDT
Article-I.D.: wnuxb.140
Posted: Tue Jul 10 09:10:19 1984
Date-Received: Wed, 11-Jul-84 01:06:36 EDT
Organization: WECo. Warrenville Data Center
Lines: 12

A while back, some kind soul posted all the information needed to order
"Inside Macintosh", including the publisher's address, the price, etc.
I dutifully jotted it down and promptly lost it. Could someone send me
this information? Replies by mail, please.

Thanks in advance,
DJ Molny, ccom consultants, inc
at
AT&T Technologies
ihnp4!wnuxb!djmolny

From -2746556928593105783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,270f29e16ef2dd9a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 05:32:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!whuxle!spuxll!abnjh!u1100a!pyuxn!pyuxww!gamma!
ulysses!mhuxl!ihnp4!zehntel!hplabs!sri-unix!avrunin@nalcon.ARPA
From: avrunin@nalcon.ARPA
Newsgroups: net.micro.apple
Subject: MODEM7 equivalent for APPLE
Message-ID: <1020@sri-arpa.UUCP>
Date: Tue, 19-Jun-84 08:32:00 EDT
Article-I.D.: sri-arpa.1020
Posted: Tue Jun 19 08:32:00 1984
Date-Received: Fri, 22-Jun-84 06:34:07 EDT
Lines: 9

From: "I. Larry Avrunin" <avrunin@nalcon.ARPA>

Does anyone have an implementation of the Christensen Protocol (XMODEM)
for the Apple using DOS 3.3. Would appreciate any info.

Thanks

Larry Avrunin

From -4152063353460440499
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8404953bda830c13,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 07:54:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!vax135!houxz!houxm!ihnp4!zehntel!hplabs!sri-unix!
hanson@aerospace.ARPA
From: hanson@aerospace.ARPA
Newsgroups: net.micro.apple
Subject: Memory Clearing Routines (article ID:unm-cmax.959)
Message-ID: <1026@sri-arpa.UUCP>
Date: Tue, 19-Jun-84 10:54:17 EDT
Article-I.D.: sri-arpa.1026
Posted: Tue Jun 19 10:54:17 1984
Date-Received: Fri, 22-Jun-84 06:48:07 EDT
Lines: 16

From: Paul Hanson <hanson@aerospace.ARPA>

   "I spent the last few days creating what I think has to be the
    fastest memory clearing routine found."

  .
  .
  .
     Well, this may be the fastest routine but it cannot be used for lores
   clearing because the peripheral card scratch pad RAM resides in these
   pages of memory. If you try and run this routine and are using any cards
   important card parameters will be destroyed.

                                    Paul Hanson
                                    (hanson@aerospace)

From 3605856133285093998
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,94c9286eaa84c5f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 15:27:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!sjuvax!armstron
From: armstron@sjuvax.UUCP (armstrong)
Newsgroups: net.micro.apple
Subject: Any info on a MACINTOSH assembler ???
Message-ID: <372@sjuvax.UUCP>
Date: Tue, 19-Jun-84 18:27:37 EDT
Article-I.D.: sjuvax.372
Posted: Tue Jun 19 18:27:37 1984

Date-Received: Fri, 22-Jun-84 07:52:34 EDT
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 12

Does anyone know when I will be able to obtain a copy of MAC-ASSEMBLER (or whatever it's going to be called). It is very important as I may need it for a project come this September. Please send any available info (good, bad, or indifferent) to the undersigned.

Thanx a bunch,

--

Len Armstrong
St. Joseph's University
{astrovax | bpa | burdvax | allegra }!sjuvax!armstron

From 1261584551737024836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc44b0637954a8ab,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,bc44b0637954a8ab,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-06-19 15:55:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tektronix.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ucbvax!ucbcad!tektronix!robertj
From: robertj@tektronix.UUCP
Newsgroups: net.micro.apple,net.wanted
Subject: MENU WRITING PROGRAMS WANTED FOR APPLE
Message-ID: <2782@tektronix.UUCP>
Date: Tue, 19-Jun-84 18:55:29 EDT
Article-I.D.: tektroni.2782
Posted: Tue Jun 19 18:55:29 1984
Date-Received: Thu, 21-Jun-84 01:15:53 EDT
Organization: Tektronix, Beaverton OR
Lines: 11

I am looking for a system for the Apple that will allow me to write manu based systems that will execute different programs based on the menu selection. I would like to have a submenu feature so I don't have to recall the original program.
If I get enough response I will summarize for the net.
Thank you.
Robert S. Jaquiss Jr.
ucbvax!tektronix!robertj (uucp)
robert jaquiss@tektronix (csnet)
robert jaquiss.tektronix@rand-relay (arpanet)
(503) 627-6346 (audio phone at work)

From -6360987322513131474
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6e60fa9dc91956f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 16:23:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!floyd!cmcl2!lanl-a!unm-cvax!
josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Language cards . . . (6502)
Message-ID: <963@unm-cvax.UUCP>
Date: Tue, 19-Jun-84 19:23:52 EDT
Article-I.D.: unm-cvax.963
Posted: Tue Jun 19 19:23:52 1984
Date-Received: Thu, 21-Jun-84 01:30:10 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 17

How can you get the system let you write to the language card?

I want to use it for a program and all I can manage to do is to load
 int basic into it(not what I want!).

Another question comes to mind . . . How to you get the apple tool kit
 to assemble code into relocatable code?

P.S. I have a][e .

 thanks for all help.

          Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From 7165765413065117470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d874dee8326e629,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 16:36:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!tektronix!hplabs!sri-
unix!Fiedler%pco@CISL-SERVICE-MULTICS.ARPA
From: Fiedler%pco@CISL-SERVICE-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: Disk Cartridge Drives
Message-ID: <1038@sri-arpa.UUCP>
Date: Tue, 19-Jun-84 19:36:00 EDT
Article-I.D.: sri-arpa.1038

Posted: Tue Jun 19 19:36:00 1984
Date-Received: Fri, 22-Jun-84 20:35:29 EDT
Lines: 7

I'm trying to find some information concerning the INFAX Disk Cartridge drives for the Apple II/IIe. If anyone has experence or knows of someone who does I'd like to hear positive or negative comments. These seem like a decent deal but I would like to hear from someone who has used them.

Hans Fiedler CISL

From -8130437297164285877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c37922f7cdbb83cf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-19 21:02:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1.chuqui 4/7/84; site nsc.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!amd70!nsc!chuqui
From: chuqui@nsc.UUCP (Chuq Von Rospach)
Newsgroups: net.micro.apple
Subject: word processing on II/c
Message-ID: <1091@nsc.UUCP>
Date: Wed, 20-Jun-84 00:02:43 EDT
Article-I.D.: nsc.1091
Posted: Wed Jun 20 00:02:43 1984
Date-Received: Thu, 21-Jun-84 01:36:43 EDT
Organization: The Warlocks Cave
Lines: 14

Anybody out there want to make recommendations on word processing software for the Apple II/c? I am looking at one with a second disk drive. My preference is emacs/troff (since I use it here) but I doubt that is feasible. I do NOT like wordstar. (period). Any suggestions welcome. Mail them directly to me and I will summarize, of course.

chuq

--
From the ledge of the seventh cornice: Chuq Von Rospach
{amd70,fortune,hplabs,ihnp4}!nsc!chuqui (408) 733-2600 x242

You can't always get what you want, but if you try sometime
you just might find, you'll get what you need! -- Rolling Stones

From 1472827891347069378
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7147c6f0903092f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-20 06:54:34 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sri-unix!
wilson@nbs-sdc.ARPA
From: wilson@nbs-sdc.ARPA
Newsgroups: net.micro.apple
Subject: Softcard-serial card problem
Message-ID: <1049@sri-arpa.UUCP>
Date: Wed, 20-Jun-84 09:54:34 EDT
Article-I.D.: sri-arpa.1049
Posted: Wed Jun 20 09:54:34 1984
Date-Received: Sat, 23-Jun-84 04:18:21 EDT
Lines: 7

Has any one encountered a problem using a Microsoft IIe Softcard
with a super serial card? Several different cards of each type
have been tried in the Apple IIe we are using and in all cases
CP/M fails to boot if the serial card is set in printer mode.
The serial card drives the printer normally under Apple Dos 3.3
with or without the softcard in the IIe.

From 797416850519047311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc0a84abfeb929fc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-20 08:30:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell)
Newsgroups: net.micro.apple
Subject: Re: Macintosh MS-BASIC warts
Message-ID: <134@analog.UUCP>
Date: Wed, 20-Jun-84 11:30:28 EDT
Article-I.D.: analog.134
Posted: Wed Jun 20 11:30:28 1984
Date-Received: Fri, 22-Jun-84 20:49:27 EDT
References: <128@wnuxb.UUCP>
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 23

I, too am dismayed by the problems with uSoft BASIC for the Mac. It really
seems they have not done a careful job. That, coupled with the horrendous
bugs in Multiplan, which cause worksheets to be trashed, makes me wonder
how uSoft got the reputation they seem to enjoy. They certainly need to
clean up their act!

But I think it could be viewed from another angle: uSoft is one of the
few companies to have *anything* available for the Mac when the Mac was
announced. Yeah, they got in a hurry, but because of that, we can do some
work with the machine besides draw pictures and write memos! That counts
for something in my opinion. The only alternative to BASIC for writing

programs is Forth from Creative Solutions (??), and not being sure I want to learn Forth (or froth!), BASIC is my choice for now. I certainly am glad that it *is* available, even if it is a bit buggy.

I sure hope that uSoft will be open-handed with those of us who bought the early version of BASIC if and when they do generate an improved version. I think their attitude toward their customers in this regard is more important than the particular failings of the current version.

ALSO waiting for C - -
Kim Helliwell
hplabs!analog!kim

From -4492652617597444643
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,68c0682596f96139,start
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 16e6d2,68c0682596f96139,start
X-Google-Attributes: gid16e6d2,public
X-Google-Thread: 15517a,68c0682596f96139,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,68c0682596f96139,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-20 10:09:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!das
From: das@ecsvax.UUCP
Newsgroups: net.micro.pc,micro.ibm,net.micro.apple,micro.apple
Subject: quadlink update
Message-ID: <2759@ecsvax.UUCP>
Date: Wed, 20-Jun-84 13:09:49 EDT
Article-I.D.: ecsvax.2759
Posted: Wed Jun 20 13:09:49 1984
Date-Received: Thu, 21-Jun-84 10:22:30 EDT
Lines: 38

Here's an update on Quadlink's ability to cope with copy protected software and non-DOS operating systems.

There's no reason to think Quadlink would fail to run any 16 sector Apple operating system. In fact, it works fine with UCSD p-system Pascal 1.1 and with ADIOS, the enhanced OS from Microsoft that is needed for running muMath/muSimp without CP/M. (We don't have CP/M, so I have no idea what Quadlink does with Apple CP/M disks.) The muMath/muSimp disks are not copy protected, and the whole system works fine on Quadlink. (Would somebody please report on the IBM PC version of muMath, preferably with comparison to the Apple versions?)

The following copy protected software runs without problem on Quadlink:

  Krell's LOGO
  Graphing Equations (instructional games from CONDUIT)
  Interpreting Graphs (ditto)
  Screenwriter II (WP from Sierra On-Line)
  General Manager (DBMS "   "   "   )
  Super Disk Copy (utility from Sensible Software)
  Multi Disk Catalog (ditto)

The only other copy protected software we use on our Apple is
Softerm II, a communications/terminal emulator package from
Softronics. It DOES NOT WORK on Quadlink, but not because of the
copy protection. It has a keyboard enhancer card to add 3 "shift"
keys, and it bombs when it fails to find the card present. One
might hope to be able to use parts of the package that don't
depend on the extra keys, but no such luck.

     David A. Smith
     Department of Mathematics
     Duke University
     Durham, NC 27706
     (919) 684-2321
     {decvax,akgua}!mcnc!ecsvax!das

From -7599830426741159973
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc44b0637954a8ab
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,bc44b0637954a8ab
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-06-20 12:46:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hao!seismo!brl-
tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple,net.wanted
Subject: Re: MENU WRITING PROGRAMS WANTED FOR APPLE
Message-ID: <5@brl-vgr.ARPA>
Date: Wed, 20-Jun-84 15:46:39 EDT
Article-I.D.: brl-vgr.5
Posted: Wed Jun 20 15:46:39 1984
Date-Received: Fri, 22-Jun-84 20:34:11 EDT
References: <2782@tektronix.UUCP>
Organization: Ballistics Research Lab
Lines: 2

You should look at the MAGIC MENU program on the Applesoft User's Disk
(ProDOS version preferred).

From -3299050091871353075
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,dd8fe9ad46058294,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-20 13:01:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sri-unix!
Thomka.es@XEROX.ARPA
From: Thomka.es@XEROX.ARPA
Newsgroups: net.micro.apple
Subject: Re: Lower Case Using Apple DOS
Message-ID: <1061@sri-arpa.UUCP>
Date: Wed, 20-Jun-84 16:01:00 EDT
Article-I.D.: sri-arpa.1061
Posted: Wed Jun 20 16:01:00 1984
Date-Received: Wed, 27-Jun-84 00:45:36 EDT
Lines: 124

Re: "have apple DOS 3.3 understand lowercase commands"

Yes, you can have some software or firmware placed as an input editor. Its job is to monitor everything sent from the keyboard and convert it to uppercase for you. But there may be times that you want to enter lowercase too, (like in PRINT or INPUT statments) so it will have to be a little more involved.

One piece of hardware that will do exactly that and a WHOLE LOT MORE is the Hollywood Hardware "Ultra Rom Board/Editor". In my opinion, if there is any time you work with Apple DOS, DavidDos, DiversaDos, or ProDos, and especially if you ever do anything in Applesoft there is no finer addition you can make to your Apple! It works with the II, II+, and IIe, with the IIe's 80 column card and I believe the Videx 80 column card also.

I can talk for hours on this fine product, and no, I do not work for Hollywood Hardware; it's just that good. It is a ROM board that plugs into any slot, 1 to 7.
It uses no RAM space (other than Page 3 but that's no problem, and if you do have some conflict it's only one function of the board [GPLE] that uses that space, so you can disconnect that if you want). So where does the board operate from? It uses the $C800 - $CFFF area. It uses bank switching to fold in more than 2K of programs into the allocated 2K area. In fact the card can have up to 32K on it, all running out of that 2K area. All of the bank switching is invisible to the user. It will not conflict with other cards using that same area either. I have plenty of cards that share that same area and I haven't found a problem yet.

What are the features of the board? :
Improved GPLE (Global Program Line Editor)
Which gives you all kinds of editing powers. It is really like a word processor for Applesoft BASIC. Since it is a global editor it will also
"find" or "find-and-replace" (with prompting or not) if you want. Additionally, it gives you all kinds of macros on your keyboard. All

you have to do is press ESC and another key to do all kinds of things. Things like cataloging drive 1 or 2, or easy loading, running, locking, unlocking, or deleting a file in the catalog. You do not have to type the file name either, since the filename is automatically picked up off the screen for you. There are real nice features that allow single lines scrolls too, so that way, you can step through a catalog or a Basic program. And ^C will allow you to stop a catalog just like you can do while listing a Basic program.

Then you can even make your own macros. There is almost no limit to their size (the limit is the RAM of the Apple). And macros can call macros, can call macros, etc. So things can really get involved.

Plus there are 26 "&" commands to do such things as

- getting a Print Using function, which allows variable masks, and the masks give ability to automatically round off numbers, and even float a "$" sign to the immediate left of numbers.
- getting a If-Then-Else ability for conditional better conditional programming. Plus they can also be nested.
- number conversions (Hex, decimal and binary)
- finding the last binary load parameters
- finding the ASCII values of any key
- searching memory (including external RAM cards) for
  - any string
  - any set of hexadecimal numbers
- restoring lost (via NEW or FP or INT) Basic programs
- finding the present Himem and Lomem
- turning on or off a display control characters ability
- easily flipping on the different HiRes screens without clearing them.

Then there's the optional "&" commands that give you

- Renumbering, has got to be the best you have ever seen! It will allow you to renum anything to anywhere and if it finds that there isn't enough line numbers available it will give you a choice of using its recommended increment or force your own. All of the line number changes can also be printed to a printer, as they're being done, so that you'll have a hardcopy of changes. And, if it finds any lines that are "hanging" (GOTOs or GOSUBs to non-existant lines) it will flag them so you can fix them later.
- Variable cross reference is also the best I have ever seen! It will show you (with the ability to get hard copy also) every variable you are using in program. Every real, interger and string; every real array, integer array and string array. And it will show you how you are using them; ie. a if a simple reference, a changing, an input or get statement, a read statment, or even if used in a defined function. All of the variables are listed in two forms, the short, first two significant characters (plus $ or # and (, as applicable) and the long way - as the entire name. It has the ability to do a fast list, where only the variable names are listed. And you can even just list the particulars of any one variable, like to find out if your even using it anywhere.
- The Hide function is really keen. It will allow you to hide multiple programs, one after the other, stacked away like pancakes. Each time you request a hide, some information will be given to you,

such as how big (in bytes) the program was that you just hid and how much remaining space you have.

The Merge function is also very inteligent. It will not allow you to "tromp" or "trash" a program on another that share the same line numbers. But it will give you the option to force those same programs together, anyway, by having the program about to be unhidden assume the lower line numbers.

There is an AutoNumber utility that is very inteligent. It will allow, of course, and starting line line number and increment. It defaults to start at line 10 and and increment of 10, but if you have a program already in memory it will then default to a starting line number after the last presently used (plus the increment). It will not allow you "tromp" on an existing line number either. That way you won't accidently wipe out a line.

They even have another new ROM that gives you FID type of copy ability (file coping with a wildcard, too) and it will give you prompting if you want. Then there is also on the same ROM a Catalog editor that allows you to easily rearrange a DOS catalog to your liking. You can even enter inverse or blanking characters into file names, you can make "empty files" so that you can have clever header information in your catalogs, etc.

Lots of really usful stuff, and with all of the stuff mentioned above only four of the eight ROM sockets are used. So more expansion is still there.

Hollywood Hardware is located at
6842 Valjean Ave.
Van Nuys, Ca. 91406
(818) 989-1204

Chuck

From -8369871799747258615
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,5dae218ee2cd956d,start
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 16103e,5dae218ee2cd956d,start
X-Google-Attributes: gid16103e,public
X-Google-Thread: 1622d3,5dae218ee2cd956d,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 16e6d2,5dae218ee2cd956d,start
X-Google-Attributes: gid16e6d2,public
X-Google-ArrivalTime: 1984-06-20 13:03:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!john
From: john@ecsvax.UUCP
Newsgroups: net.micro.ibm,micro.ibm,net.micro.apple,micro.apple
Subject: Re: quadlink report
Message-ID: <2761@ecsvax.UUCP>

Date: Wed, 20-Jun-84 16:03:56 EDT
Article-I.D.: ecsvax.2761
Posted: Wed Jun 20 16:03:56 1984
Date-Received: Thu, 21-Jun-84 10:25:22 EDT
References: ecsvax.2690
Lines: 16

I have noticed that CONDUIT, which is a non-profit distributor of
instructional software, says in their recent catalogues that much
of their Apple software will run on IBM PC's with QuadLink boards.

Has anyone had any experience with this combination?

(CONDUIT is located at the University of Iowa in Iowa City.)

 john hogan
 nc educational computing service
 box 12035
 rtp, nc 27709

  ...!decvax!mcnc!ecsvax!john
   ...akgua!mcnc!ecsvax!john

From 9179795063888358158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,5dae218ee2cd956d
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 16e6d2,5dae218ee2cd956d
X-Google-Attributes: gid16e6d2,public
X-Google-Thread: 15517a,3b85c781948544cd,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5dae218ee2cd956d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-20 13:45:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!das
From: das@ecsvax.UUCP
Newsgroups: net.micro.pc,micro.ibm,net.micro.apple,micro.apple
Subject: Re: quadlink report
Message-ID: <2762@ecsvax.UUCP>
Date: Wed, 20-Jun-84 16:45:02 EDT
Article-I.D.: ecsvax.2762
Posted: Wed Jun 20 16:45:02 1984
Date-Received: Thu, 21-Jun-84 10:27:11 EDT
Lines: 13

References: ecsvax.2690 ecsvax.2759 ecsvax.2761

As Series Editor in Mathematics for CONDUIT, I have (and use) all
of their materials in mathematics. All of the Apple II materials
run on Quadlink. The only ones I had some doubts about were the

copy protected ones (see 2nd ref.), and they worked fine.

David A. Smith
Department of Mathematics
Duke University
Durham, NC 27706
(919) 684-2321
{decvax,akgua}!mcnc!ecsvax!das

From -9073725410051016103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,59804fa580a4b451
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 10:26:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
dcdwest!ittvax!decvax!mcnc!ncsu!md
From: md@ncsu.UUCP
Newsgroups: net.micro.apple
Subject: Re: Lower Case Using Apple DOS
Message-ID: <2626@ncsu.UUCP>
Date: Thu, 21-Jun-84 13:26:04 EDT
Article-I.D.: ncsu.2626
Posted: Thu Jun 21 13:26:04 1984
Date-Received: Wed, 27-Jun-84 00:44:18 EDT
References: <1259@sdccs7.UUCP>
Organization: N.C. State University, Raleigh
Lines: 35

yes there is a way to have DOS accept lower case commands, the program
is listed below, here is how it works. There are several unused placed in
DOS that can store small patches, $BCDF-BCFF is one of them. In this location
goes a routine that reads a character from the input buffer ($200) and
checks to see if this is a lower case letter, if it is it changes it
to upper case (in the a-reg only not the buffer) and then lets normal
DOS take it from there. The routine that calls this patch is located
at $A193 and the change there is shown below.

```
    BCDF: BD 00 02  LDA $200,X
          C9 E1     CMP #$E1
          90 06     BCC $BCEC
          C9 FB     CMP #$FB
          B0 02     BCS $BCEC
          29 DF     AND #$DF
    BCEC: 60        RTS
```

    second patch goes here

    change A196 from LDA $200,X to   A196: 20 DF BC   JSR $BCDF

  the other method involving some $F000 or so location only allows

lower case letters to be typed, NOT accepted as commands.

While on the subject of lower case did you know that the Franklin computer allows for more variable names than the Apple. The Franklin allows for lower case variable names so variable aa$ is different from variable AA$!!!
Anyone interested in this can reply to me. (I own an Apple][my dad owns a Franklin.)

Mike Davis
NCSU Raleigh NC

From 3769781612193961113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,425ef904fbf7e2f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 10:56:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!dcdwest!ittvax!decvax!mcnc!unc!howell
From: howell@unc.UUCP
Newsgroups: net.micro.apple
Subject: MACpaint Type Software Wanted for Apple IIe
Message-ID: <7365@unc.UUCP>
Date: Thu, 21-Jun-84 13:56:49 EDT
Article-I.D.: unc.7365
Posted: Thu Jun 21 13:56:49 1984
Date-Received: Wed, 27-Jun-84 00:43:22 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 18

I am really excited about the MACpaint program for the MAC and the possibilities of developing diagrams for manuals, transparencies, etcetera. I am not in a position to go add a MAC to my collection of machines but I could acquire minimal hardware and software to add to either an IBM PC or APPLE IIe if it was capable of handling work similar to what MACpaint can do.

The product that comes to mind first is MOUSEpaint for the Apple II. Does anyone have any experience with this? Is it as good as MACpaint, what are its limitations? How about printing the results of your work? I would need to use an Orange Micro Grappler talking to essentially an Epson MX80 with Graftrax(?) - Does that compromise the output? If so what printer/interface mechanism do I need?

I also have an interest in having similar capabilities on a PC. Does anyone know of a product that offers these capabilities on a PC????

Please mail me any thoughts you have on this subject. Thanks!

From 8687047511319093109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dfdbefbfee409cf3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 11:02:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
dcdwest!ittvax!decvax!mcnc!unc!howell
From: howell@unc.UUCP
Newsgroups: net.micro.apple
Subject: Upgrade deal for ProDos?? and Pascal???
Message-ID: <7367@unc.UUCP>
Date: Thu, 21-Jun-84 14:02:18 EDT
Article-I.D.: unc.7367
Posted: Thu Jun 21 14:02:18 1984
Date-Received: Wed, 27-Jun-84 00:43:35 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 8

Is there an upgrade deal available for upgrading from Apple Dos 3.3 to
ProDos??

What has happened to the upgrade deal on Apple Pascal??

Reply by mail and I will summarize to net.

Thanks.

From 600710760896474860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,672af2ef52835500,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 11:29:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!sri-unix!Boebert@MIT-MULTICS.ARPA
From: Boebert@MIT-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: What's Where in the Apple
Message-ID: <1111@sri-arpa.UUCP>
Date: Thu, 21-Jun-84 14:29:00 EDT
Article-I.D.: sri-arpa.1111
Posted: Thu Jun 21 14:29:00 1984
Date-Received: Thu, 28-Jun-84 00:58:53 EDT
Lines: 10

The successor to the Apple Monitor Peeled is a very valueable book for
][+ owners called "What's Where in the Apple," available from an outfit
called Micro Ink in New Hampshire. Gives all monitor, DOS, and Basic
entry points and variables. Combined with Beneath Apple DOS and the
disassembled Applesoft which comes with the Merlin assembler, this tells

all the inside stuff I could imagine anybody wanting to know. I got
mine through a local computer store that specializes in hobbyist stuff,
and had to wait a couple of months for it -- don't know why it is so
hard to get. It think it was 20 or 30 bucks but it is worth it to the
serious Apple hacker.

From -783293467626582722
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6e60fa9dc91956f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 12:08:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!hplabs!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: Language cards . . . (6502)
Message-ID: <318@intelca.UUCP>
Date: Thu, 21-Jun-84 15:08:59 EDT
Article-I.D.: intelca.318
Posted: Thu Jun 21 15:08:59 1984
Date-Received: Sat, 23-Jun-84 03:59:11 EDT
References: <963@unm-cvax.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 12

There are a few I/O locations (address $C???) that control the language
cards (write-protect/enable, read RAM/ROM)

They are listed in the documentation you should have received with the
card.

If you can't find them, I can look them up.
--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!glen"@BERKELEY
\-/   --- stay mellow

From 7747956838792981248
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,2c7a0abba62da7f0,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,2c7a0abba62da7f0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-21 13:34:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: net.micro.cpm,net.micro.apple

Subject: PCPI Appli-Card(tm) Drivers
Message-ID: <785@ihuxp.UUCP>
Date: Thu, 21-Jun-84 16:34:53 EDT
Article-I.D.: ihuxp.785
Posted: Thu Jun 21 16:34:53 1984
Date-Received: Fri, 22-Jun-84 08:01:01 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 18

I am trying to learn how to write drivers for this CP/M(tm) card, which
runs in an Apple(tm) //e. I have some information--the OEM information
that one can get from PCPI--but I am looking for sample drivers that
other people have written; and in general I would be interested in
sharing notes with other users.

I will be developing a graphics driver that will work with
the Double Hi-Res mode that the Apple //e has.

     George V. Wilder
     ihnp4!ihuxp!gvw1
     (312) 979-1937
--

          George V. Wilder

                    ihnp4!ihuxp!gvw1

From -726235743175604562
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5977a9ce0eafa945,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-22 18:14:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!garyglad
From: garyglad@utzoo.UUCP (Gary Gladstone)
Newsgroups: net.micro.apple
Subject: terminal problems
Message-ID: <3981@utzoo.UUCP>
Date: Fri, 22-Jun-84 21:14:16 EDT
Article-I.D.: utzoo.3981
Posted: Fri Jun 22 21:14:16 1984
Date-Received: Fri, 22-Jun-84 21:14:16 EDT
Organization: U of Toronto Zoology
Lines: 7

i am using an apple ii+ 64k, with an imitation videx card.
using ascii express v2.6, i can't seem to get lower case input.
anyone out there who can help me out?
thanks a lot,
--

Gary Gladstone @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!garyglad

From 8042827868530076162
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d5bb5a1c505edfad,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,d5bb5a1c505edfad,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1984-06-23 15:26:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!amd70!decwrl!decvax!
ittvax!dcdwest!sdcsvax!sdccs6!ir320
From: ir320@sdccs6.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: PCPI Drivers Part 2
Message-ID: <1563@sdccs6.UUCP>
Date: Sat, 23-Jun-84 18:26:33 EDT
Article-I.D.: sdccs6.1563
Posted: Sat Jun 23 18:26:33 1984
Date-Received: Thu, 28-Jun-84 04:15:14 EDT
Organization: U.C. San Diego, Computer Center
Lines: 12

I have the PCPI Applicard and have written some drivers for drives and
graphics. I would be interested in exchanging drivers source with
other PCPI users.

John Antypas
UC San Diego

UUCP: ...!noscvax!sdcsvax!sdccs6!ix255
arpanet: sdcsvax!sdccs6!ix255@Berkeley

From -8709218289532541244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,72a9fda805c286dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-23 18:49:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles - ucb internal release 1.0; site ucbcad.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!sdcrdcf!sdcsvax!dcdwest!ittvax!
decvax!ucbvax!ucbcad!morgan
From: morgan@ucbcad.UUCP
Newsgroups: net.micro.apple
Subject: Query re: Aztec C under ProDOS
Message-ID: <27300004@ucbcad.UUCP>
Date: Sat, 23-Jun-84 21:49:00 EDT
Article-I.D.: ucbcad.27300004

Posted: Sat Jun 23 21:49:00 1984
Date-Received: Wed, 27-Jun-84 02:51:19 EDT
Organization: UC Berkeley, EE CAD Group
Lines: 13
Nf-ID: #N:ucbcad:27300004:000:503
Nf-From: ucbcad!morgan   Jun 23 14:49:00 1984

<>
     I have been using Aztec C under DOS 3.3 for several months now
and wonder if I should upgrade to their ProDOS version. If you have
experience with that version, please mail me directly. I will summarize
anything of general interest to the net.
     The points I am most curious about are:

1. Is the shell a seperate operating system, or a system file which
   runs under the ProDOS MLI?
2. Is the compiler itself still the slow, recursive descent, interpreted
   one supplied for DOS 3.3?

                  Thanks

From 5810719629112613326
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5fe1d3f2e3e7a7b7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-24 03:45:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!amd70!decwrl!decvax!cca!
ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: MODEM7 equivalent for APPLE - (nf)
Message-ID: <1542@inmet.UUCP>
Date: Sun, 24-Jun-84 06:45:24 EDT
Article-I.D.: inmet.1542
Posted: Sun Jun 24 06:45:24 1984
Date-Received: Thu, 28-Jun-84 04:45:07 EDT
Lines: 11

#R:sri-arpa:-102000:inmet:17900025:000:536
inmet!muller   Jun 23 10:39:00 1984

**
There is one provided by Exec Software, 201 Waltham St. Lexington, MA 02173,
...They sell a terminal program called TermExec, the strengths of which are
uploading/downloading files, unattended, and a system of macros for smart
modems (moda?). They provide XMODEM as a downloadable program from their
online newsletter (it's free, but they request a donation) and I don't think
you can download anything unless you are a member of the system - either $15
or buy their software. online b'board number is (617) 863-0282 at 300 baud.

From 4420390535585918816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,745e069f47f1661a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-24 23:08:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!linus!decvax!decwrl!amd70!dual!proper!ksj
From: ksj@proper.UUCP (Kent Johnson)
Newsgroups: net.micro.apple
Subject: MacWrite bug
Message-ID: <1406@proper.UUCP>
Date: Mon, 25-Jun-84 02:08:52 EDT
Article-I.D.: proper.1406
Posted: Mon Jun 25 02:08:52 1984
Date-Received: Wed, 27-Jun-84 03:22:53 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 22

There is a bug in MacWrite as follows:
     If the indent margin is set to the left of the regular left margin
(e.g. hanging indent) and full-justification is on, a line consisting of
one or two characters (such as a bullet or a number+period) followed by a
tab (to the regular margin) followed by enough text to wrap to a new line,
will not always print correctly--the character(s) before the tab do not print.
I don't know what determines whether or not the bug appears; does anyone
else?

In most cases the text WILL appear correctly on the screen, so beware!

     Two not-entirely-satisfactory fixes:
1.   (This line may not print properly :-) Turn off full justification.
2.   If justification is needed/wanted, insert a ruler line after the
problem line. This effectively turns of justification for the one line.
Then insert enough blanks on the line to make it appear to be justified.
     I know, that's gross, does anyone have a better fix?
     Does anyone know if there is an official place to send bug reports
for Mac?

     --Kent Johnson
       { decvax!sun!amd, hplabs!nsc, ihnp4!dual } !proper!ksj

From -4625104753854244488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,884e1bf77f554b1b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 07:00:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!ulysses!allegra!princeton!eosp1!
byron
From: byron@eosp1.UUCP (Byron Han)

Newsgroups: net.micro.apple
Subject: MacWrite bug(?)
Message-ID: <958@eosp1.UUCP>
Date: Mon, 25-Jun-84 10:00:32 EDT
Article-I.D.: eosp1.958
Posted: Mon Jun 25 10:00:32 1984
Date-Received: Thu, 28-Jun-84 01:24:39 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 10

I have discovered a possible bug in MacWrite Version 2.2 which is
the recent update of MacWrite. When I am in the full justification
mode and employ bold underscoring, the text appears fine on the screen
but when I go to print it out under HIGH quality printing, the underscoring
gets messed up across word boundaries. The underscoring does not
connect across word boundaries like it does on the screen. When I switch
to STANDARD print quality, the problem disappears. Any comments?

      allegra!princeton!eosp1!byron   <bh>

From 7691136037312390624
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,310f89c23b7c3608,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 10:04:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pur-phy.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Physics:clt
From: clt@pur-phy.UUCP (Carrick Talmadge)
Newsgroups: net.micro.apple
Subject: Re: Language cards . . . (6502) (long)
Message-ID: <1360@pur-phy.UUCP>
Date: Mon, 25-Jun-84 13:04:56 EDT
Article-I.D.: pur-phy.1360
Posted: Mon Jun 25 13:04:56 1984
Date-Received: Thu, 28-Jun-84 02:33:29 EDT
Organization: Purdue University Physics Dept.
Lines: 105

[Take that, you filthy line eater!]

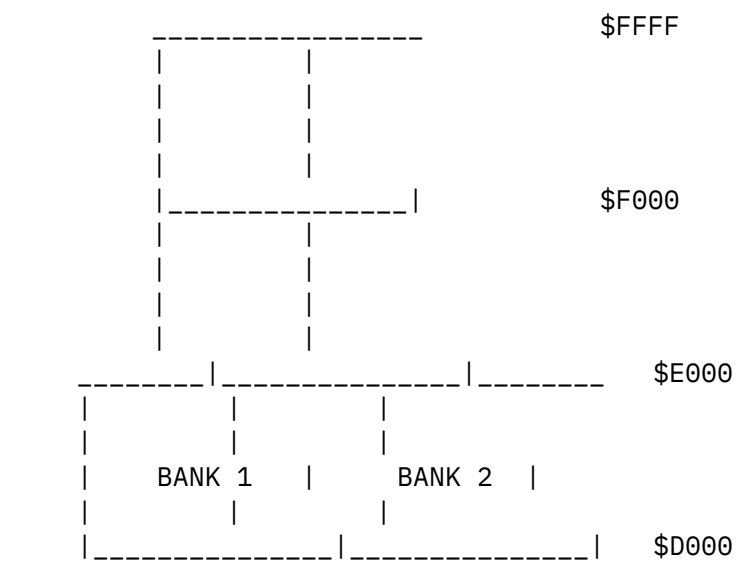
This is a bit long, but I thought it might be of general interest...

>How can you get the system let you write to the language card?
>
>I want to use it for a program and all I can manage to do is to load
> int basic into it(not what I want!).

Hopefully, the following will answer your questions:

                  Memory Organization

The Ramcard has 16K of memory, but has an address space allowed for it (forgetting for the momment $C080-$C08F) of $D000-$FFFF, or 12K. To "fit" the entire ram address space into this area, two 4K segments of memory share the space from $D000-$DFFF. When you select either bank one or bank two, you automatically select one of the two 4K segments plus the other 8K from $E000-$FFFF. The figure below illustrates this.



Ram Selection/Deselection

ADDRESS	Action
$C080	Read-Deselect Ram(Enable Rom). Write protect Ram
$C081	Read-Deselect Ram. Two sucessive Reads write enables Ram.
$C082	Read-Deselect Ram(Enable Rom). Write protect Ram
$C083	Read-Select Ram. Two sucessive Reads write enables Ram.
$C084	(Decodes same as $C080).
$C085	(Decodes same as $C081)
$C086	(Decodes same as $C082).
$C087	(Decodes same as $C083)

```
          $C088-$C08F     Same action as (ADDRESS-8),
                    except selects/deselects
                    Bank 1 of Ram.

Example:

;
;  RAMSET
;       Sets up ram card for usage.  Note that it doesn't
;    copy Basic Rom (excepting enough Rom for Hires graphics
;       routines).
;
RAMSET  LDA $C081
     LDA $C081              Enable Ramcard for writing

;
; Next a macro to move from,to,length
; This copies the Rom from $F300-$FFFF to ram
;
     MOV $F300,$F300,$D00

     LDA $C083
     LDA $C083     Finally fully enable second Bank of Ram
;                  (Read enable as well as write enable).

--------------------

Source:  What's Where in the Apple by W.F. Luebbert (Micro Ink)

    Notice than you should use reads, rather than writes, as the latter
will give unpredictable results (a write will select a memory location
twice, but in rapid sucession, so that the ramcard will notice two
address selections only part of the time).

    Hope this helps some.

                    Carrick Talmadge

UUCP:  {decvax,ucbvax,harpo,allegra,inuxc,seismo,teklabs}!pur-ee!Physics:clt
INTERNET:       clt @ pur-phy.UUCP


From -4645335208177276145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c3ae7d0db0824a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 13:37:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!hp-pcd!orstcs!
abbasb
From: abbasb@orstcs.UUCP
Newsgroups: net.micro.apple
```

Subject: Mac Terminal Emulator
Message-ID: <15200011@orstcs.UUCP>
Date: Mon, 25-Jun-84 16:37:00 EDT
Article-I.D.: orstcs.15200011
Posted: Mon Jun 25 16:37:00 1984
Date-Received: Sat, 30-Jun-84 06:21:00 EDT
Organization: Oregon State University - Corvallis, OR
Lines: 16
Nf-ID: #N:orstcs:15200011:000:600
Nf-From: orstcs!abbasb   Jun 25 15:37:00 1984

It was brought to my attention that there will be a Mac terminal
emulator available in less than two weeks through the following
Co. As I was told there is 'no need' to any language processor
to run this program (e.g. like MacWrite). The package includes
some other usefull utility programs (applications in Mac's terms)
which makes life much easier in transfereing/recieving big files
considereing the storage limitation of the Mac.
The price as I was told would be less than 50 dollars.

For more Info write to the following:

MacTerm
TGL Inc.
4400 Sulphur Spprings Rd.
Corvallis, Oregon 97330

From -6368414445000009754
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7cb36ad8f8f85ad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 14:22:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!linus!decvax!mcnc!ncsu!md
From: md@ncsu.UUCP ( )
Newsgroups: net.micro.apple
Subject: Re: Re: Apple disk speed -- more info
Message-ID: <2634@ncsu.UUCP>
Date: Mon, 25-Jun-84 17:22:27 EDT
Article-I.D.: ncsu.2634
Posted: Mon Jun 25 17:22:27 1984
Date-Received: Tue, 26-Jun-84 06:29:07 EDT
References: <1483@decwrl.UUCP>
Organization: N.C. State University, Raleigh
Lines: 23

Apple DOS also uses a little bit of intelligence in accessing the sectors
on a disk. Using a sector interleaving scheme in software is what allows
both Apple and third party Dos to alter the sector interleaving pattern.

I admit that Apple's might not be the best but this is what it is.

physical sector	logical sector
0	0
1	7
2	14
3	6
4	13

etc.

Apple DOS is slow for several reasons, but SAVE, and BSAVE times can be improved by removing the VERIFY routine that is executed after each SAVE or BSAVE. Replace those JSRs with NOPs. This is one method that those third party DOSes use to improve their speed.

Mike Davis

From 5537236270193238055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f0b65283d4e6db3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 15:12:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Speed of Apple Drives (Pascal vs. CP/M and DOS)
Message-ID: <330@pucc-i>
Date: Mon, 25-Jun-84 18:12:48 EDT
Article-I.D.: pucc-i.330
Posted: Mon Jun 25 18:12:48 1984
Date-Received: Thu, 28-Jun-84 02:34:02 EDT
Organization: Purdue University Computing Center
Lines: 41

I tried to respond to this by mail, but it didn't work. I said earlier that Apple Pascal is *much* faster on disk accesses than Apple DOS, and that it is also faster than CP/M.

How much faster than CP/M? I don't have CP/M myself, so my information here is second hand. I do know that Pascal uses a "two-ascending" sector interleaving scheme, while CP/M uses "three-ascending". Two-ascending is guaranteed to be faster as long as you are not missing sectors and having to wait an extra full rotation. Pascal can do this because there is less intermediate processing going on during a block read.

I don't have a reference handy and I can't quote any performance statistics, but I recall reading that Pascal beats CP/M on disk access, which is what you would expect when reading half the sectors that go by instead of a third.

Apple DOS uses a "three-descending" interleaving scheme, which is equivalent to "thirteen-ascending" and means there is a LOT of waiting between sectors if you try to read them in ascending order. A common optimization scheme is to read the sectors in descending order to cut down on the wait time, but that still leaves you with the equivalent of a "three-ascending" scheme, the same as CP/M.

As everyone knows, there is no free lunch. In order to get faster disk access, you have to give up something. In Pascal, what you give up is chaining; files are always allocated in sequential blocks instead of being strung randomly around the disk. This means you can occasionally run out of room on a file because space on the disk is fragmented. In practice, I have found that the problem is not serious (file compaction is quick and easy and does not have to be done very often) and I gladly make the tradeoff.

There is a second benefit: because there are no chaining sectors, you get more space for actual data on each disk (274 out of 280 blocks to be exact, where a block is 512 bytes = 2 sectors, the smallest amount of data you can address on a Pascal disk). That leaves 2 blocks for a boot program and 4 blocks for the disk directory. The actual data storage per disk is 140,288 bytes out of 143,360.
--

Dave Seaman "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From 5897946600299656575
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e800e9d83e2675c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 15:51:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd70!decwrl!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Softerm 2, a review
Message-ID: <427@ittral.UUCP>
Date: Mon, 25-Jun-84 18:51:12 EDT
Article-I.D.: ittral.427
Posted: Mon Jun 25 18:51:12 1984
Date-Received: Thu, 28-Jun-84 06:12:33 EDT
Lines: 36

[]
     I recently bought Softerm 2, a communication/terminal emulation package for the Apple][. After using it for a week I thought I would pass along a few comments.
     Softerm 2 emulates a whole truckload of terminals (only one at a time,

however :-)) and supports almost any imaginable Apple][configuration. All the popular 80 column cards are supported, as well as the popular serial cards, printer cards, clock cards, and modems. Transmission speeds to 9600 baud are supported. I have used the program at 300 and 1200 baud with my Apple //e and 80 column card with no problems. The program has excellent file transfer capabilities, and can transfer DOS, Pascal, or CP/M files using any of three protocols, including XMODEM protocol.

Softerm 2 includes a 3 key 'keyboard expander' which, when used in conjunction with certain keys on the Apple keyboard, allows access to the many features of the program. Since the keyboard enhancer is used for Softerm functions, the Apple keyboard is used transparently, i.e. all ctrl and shift combinations may be used without the bother of accidently invoking some program function.

The Softerm 2 software comes on 2 diskettes. They are not copy protected. However, the program will not work without the keyboard enhancer, so the software is of no use by itself.

I've used the program for about a week now. Without a doubt it is the best I've ever seen for the Apple. It is an extremely versatile program, and has a lot of useful utilities built in. It has solved all of my file transfer and terminal emulation problems. I highly recommend it.

Now for the kicker. Softerm 2 retails for almost 200 bucks. Not cheap. If you don't need specific terminal emulation capabilities you can save some bucks by buying Softerm 1. It's essentially the same as Softerm 2, minus the terminal emulation features. Both Softerm 1 and Softerm 2 are from Softronics. I don't work for them, I just like their program.

Doug Hall
ITT Telecom B&CC
ittvax!ittral!hall

From 4141569965807121889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,884e1bf77f554b1b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-25 19:18:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!alberta!sask!custead
From: custead@sask.UUCP (Der cuss)
Newsgroups: net.micro.apple
Subject: re: MacWrite bug(?)
Message-ID: <64@sask.UUCP>
Date: Mon, 25-Jun-84 22:18:39 EDT
Article-I.D.: sask.64
Posted: Mon Jun 25 22:18:39 1984
Date-Received: Thu, 28-Jun-84 02:08:47 EDT
Organization: U of Saskatchewan, Canada
Lines: 25

>I have discovered a possible bug in MacWrite Version 2.2 which is
>the recent update of MacWrite. When I am in the full justification

>mode and employ bold underscoring, the text appears fine on the screen
>but when I go to print it out under HIGH quality printing, the underscoring
>gets messed up across word boundaries. The underscoring does not
>connect across word boundaries like it does on the screen. When I switch
>to STANDARD print quality, the problem disappears. Any comments?

I would say it is more than a possible bug. how about a definite bug.
I have discovered something similar with trying to use labelled
paragraphs by moving the left margin to the right of the indent marker.
(This is the effect achieved by .LP in the -ms macros.) Everything
is fine until I turn on full justification. Then the characters
to the left of the left margin don't print. (I have not tried different
print qualities.) One time they also disappeared on the screen. When
I moved to that point and typed an additional character, all the characters
appeared momentarily and then disappeared. The justification step seemed
to blank over them. When I go back to left justification, everything
reappears correctly. Coupling this with the observations from the above
article, it appears that there are serious bugs in full justification mode
in MacWrite.

L. R. Custead
University of Saskatchewan
sask!custead

From 791858075234503914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5abfc68f6e24d70a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 06:04:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!ulysses!allegra!princeton!eosp1!
byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: MacTEP - what modem to use
Message-ID: <963@eosp1.UUCP>
Date: Tue, 26-Jun-84 09:04:14 EDT
Article-I.D.: eosp1.963
Posted: Tue Jun 26 09:04:14 1984
Date-Received: Thu, 28-Jun-84 03:22:06 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 14

Is there anyone out there who has up and running MacTEP (Terminal Emulator
Program) that was in A+ Magazine a couple of months back? Could you tell
me what the specs are? E.g. does it emulate a dumb terminal, what kind of
modem it will work with, what cables to use, etr cetera. I would like to
be able to do some UNIX hacking from my apartment (actually only reading
net.* - not supposed to do this during working hrs). Please respond via
mail or post in the net. Thanks in advance, y'all (No I am not from the
South.)

allegra!eosp1!byron <bh>

UNIX - TM BTL (obviously)
any other TM's I forgot, sorry.

From 3220002323308080171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 06:08:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!ulysses!allegra!princeton!eosp1!
byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro,net.micro.apple
Subject: Separate newsgroup for Mac owners?
Message-ID: <964@eosp1.UUCP>
Date: Tue, 26-Jun-84 09:08:04 EDT
Article-I.D.: eosp1.964
Posted: Tue Jun 26 09:08:04 1984
Date-Received: Thu, 28-Jun-84 03:22:22 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 8

There is a growing level of traffic of net articles concerning the Apple (r)
Macintosh (tm). What do you all out there think about setting up a separate
newsgroup devoted to Macintosh owners (e.g. net.micro.mac)? Comments anyone?

allegra!eosp1!byron <bh>

From -83860052483395907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,745e069f47f1661a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 07:01:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!mhuxl!ulysses!allegra!princeton!eosp1!
byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: Macintosh Mug Reports
Message-ID: <967@eosp1.UUCP>
Date: Tue, 26-Jun-84 10:01:43 EDT
Article-I.D.: eosp1.967

Posted: Tue Jun 26 10:01:43 1984
Date-Received: Thu, 28-Jun-84 03:23:15 EDT
References: <1406@proper.UUCP>
Organization: Exxon Office Systems, Princeton, NJ
Lines: 8

For all out there, you can report bugs to Apple Technical Support. The number on the east coast is 617-481-2840. Ask for Technical Support. For other parts of the country, call the local Apple number and ask for the number of Technical Support.

all tm's acknowledged in spirit if not in text.

allegra!eosp1!byron <bh>

From 8689715114250540763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783aff73712ddd9e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 10:55:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ames-lm.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!zehntel!dual!ames-lm!jpnz
From: jpnz@ames-lm.UUCP (John A. Perrone)
Newsgroups: net.micro.apple
Subject: garbage in garbage out
Message-ID: <367@ames-lm.UUCP>
Date: Tue, 26-Jun-84 13:55:25 EDT
Article-I.D.: ames-lm.367
Posted: Tue Jun 26 13:55:25 1984
Date-Received: Thu, 28-Jun-84 05:35:20 EDT
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 61

The following tidbit appeared in the March/April 1980 Apple Orchard.
(Mind you it doesn`t quite apply now)

THE APPLE RUMOR MILL
COURTESY OF PAUL KNEVELS

FROM The Michigam Apple-Gram

It has been rumored that APPLE is working on an APPLE III computer to be released shortly. At present the only advance information available is that a new microprocessor will be incorporated into the unit - the 6503.

Our research staff has been able to uncover a list of new opcodes that distinguish the 6503 as a breakthrough in computer technology.

The listis presented here for you information (and enjoyment).

```
AGB   ADD GARBAGE
BBL   BRANCH ON BURNED OUT LIGHT
BAH   BRANCH AND HANG
BLI   BRANCH AND LOOP INFINITE
BPB   BRANCH ON PROGRAM BUG
BPO   BRANCH IF POWER OFF
CPB   CREATE PROGRAM BUG
CRN   CONVERT TO ROMAN NUMERALS
DAO   DIVIDE AND OVERFLOW
ERS   ERASE READ-ONLY STORAGE
HCF   HALT AND CATCH FIRE
IAD   ILLOGICAL AND
IOR   ILLOGICAL OR
MDB   MOVE AND DROP BITS
MWK   MULTIPLY WORK
PAS   PRINT AND SMEAR
RBT   READ AND BREAK TAPE
RPM   READ PROGRAMMER'S MIND
RRT   RECORD AND RIP TAPE
RSD   READ AND SCRAMBLE DATA
RWD   REWIND DISK
SRZ   SUBTRACT AND RESET TO ZERO
SSD   SEEK AND SCRATCH DISK
TPR   TEAR PAPER
WED   WRITE AND ERASE DATA
WID   WRITE INVALID DATA
XIO   EXECUTE INVALID OP CODE
XOR   EXECUTE OPERATOR
XPR   EXECUTE PROGRAMMER
```

P.S. There is no word from APPLE as to when we might expect these improvements.

Any comments or additions?

Beak<


```
From 5633685235242362427
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,67e4b28ffe800840,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 12:38:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sri-unix!
RALPHW@MIT-XX.ARPA
```

From: RALPHW@MIT-XX.ARPA
Newsgroups: net.micro.apple
Subject: net.micro.apple vs. net.micro.mac
Message-ID: <1305@sri-arpa.UUCP>
Date: Tue, 26-Jun-84 15:38:59 EDT
Article-I.D.: sri-arpa.1305
Posted: Tue Jun 26 15:38:59 1984
Date-Received: Sat, 30-Jun-84 03:59:29 EDT
Lines: 9

From: "Ralph W. Hyre Jr." <RALPHW@MIT-XX.ARPA>

>From the ARPAnet point of view, a specific newgroup called
net.micro.mac or net.micro.lisa would be a good thing, because
it would put mac and lisa discussion where it belongs, rather
than having it on net.micro.apple, which is now gated to info-apple.

                        - Ralph Hyre

From -9156179638073097371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b8b22c5f65eafee,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,b8b22c5f65eafee,start
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-06-26 15:59:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!tektronix!uw-beaver!uw-
june!furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple,net.news.group
Subject: Introducing fa.info-mac
Message-ID: <1651@uw-june>
Date: Tue, 26-Jun-84 18:59:32 EDT
Article-I.D.: uw-june.1651
Posted: Tue Jun 26 18:59:32 1984
Date-Received: Sat, 30-Jun-84 03:32:23 EDT
Organization: U. Washington, Computer Sci
Lines: 17

After hearing the recent plaintive requests on net.micro.apple for a gateway
between the Usenet and the Arpanet mailing list named info-mac@sumex, I
contacted the Edward Pattermann, moderator of that group, and asked him if
he'd be willing to have one set up. Info-mac is already a fairly high
volume newsgroup and so consequently he had some well-founded objections to
setting up a two way connection between a net.* group and the list.
However, he did not have objections to setting up a read-only-like
connection such as what one gets with a fa.* group. This doesn't seem like
such a big restriction to me since there already is lots of mac-related
discussion in net.micro.apple. Usenet can continue to use net.micro.apple

for its discussions but can also refer to fa.info-mac for the information it provides.

Consequently, we have established a gateway from info-mac@sumex into fa.info-mac at uw-beaver.

--Rick

From -1918630982965168584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,798a54b760026644,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-26 21:32:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Where can I find INFO-MAC?
Message-ID: <291@oddjob.UChicago.UUCP>
Date: Wed, 27-Jun-84 00:32:54 EDT
Article-I.D.: oddjob.291
Posted: Wed Jun 27 00:32:54 1984
Date-Received: Thu, 14-Jun-84 07:12:47 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 22

The follow message was received in response to INFO-MAC-REQUEST

>It is INFO-MAC policy not to add CSNET nor UUCP mailboxes to the distribution
>list. Distribution of INFO-MAC from SUMEX-AIM is limited to one mailbox per
>Arpanet site. Handling CSNET or UUCP mailboxes would put an impossible load
>on our system. In addition, the delays in receving and sending CSNET and UUCP
>mail would severely take away from the continuity of the discussions and the
>timeliness of the exchanges.

>It is hoped that you can find alternative ways to access the messages on
>INFO-MAC. INFO-MAC is posted as a bboard on many Arpanet systems.

>INFO-MAC-REQUEST@SUMEX-AIM

Does anyone in netland have access to this bboard and if
so are they willing to forward it to our machine.
(I hope this is a appropriate request.) Thanks.

Sean Casey || University of Chicago
...!ihnp4!oddjob!sean || Dept of Astronomy and Astrophysics

From -6334334003175590566

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a55be8de5f332220,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-27 07:51:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Mac news from arpanet?
Message-ID: <196@mhuxt.UUCP>
Date: Wed, 27-Jun-84 10:51:46 EDT
Article-I.D.: mhuxt.196
Posted: Wed Jun 27 10:51:46 1984
Date-Received: Thu, 28-Jun-84 05:26:29 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 6

Would it be possible for someone with access to INFO.MAC on ARPANET to
post what's been going on for the past 6 or 7 weeks (since the last
time this was done)?

steve crandall
ihnp4!mhuxt!evans

From 7836894722444688874
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-27 12:13:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!stolaf!beshers
From: beshers@stolaf.UUCP (Cliff Beshers)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <1748@stolaf.UUCP>
Date: Wed, 27-Jun-84 15:13:46 EDT
Article-I.D.: stolaf.1748
Posted: Wed Jun 27 15:13:46 1984
Date-Received: Thu, 28-Jun-84 05:59:08 EDT
References: <964@eosp1.UUCP>
Organization: St. Olaf College, Northfield MN
Lines: 3

I vote for a MAC group. I have no interest in II's and IIe's etc., but
am very interested in MAC.

From -6217021143397690462

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,783aff73712ddd9e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-27 20:15:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!akgua!whuxle!spuxll!ech
From: ech@spuxll.UUCP
Newsgroups: net.micro.apple
Subject: Re: garbage in garbage out
Message-ID: <515@spuxll.UUCP>
Date: Wed, 27-Jun-84 23:15:59 EDT
Article-I.D.: spuxll.515
Posted: Wed Jun 27 23:15:59 1984
Date-Received: Sat, 30-Jun-84 07:04:55 EDT
References: <367@ames-lm.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 6

These lists of strange op codes resurface from time to time; how about a
bit of trivia for you older hackers: the 1401 had a "Halt and Branch"
instruction - and it was actually USEFUL. Anybody want to try to explain
this one?

=Ned=

From 6099611952725347299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2f1d9597cea7e757,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 07:48:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: II+ --> //e conversion card
Message-ID: <332@pucc-i>
Date: Thu, 28-Jun-84 10:48:49 EDT
Article-I.D.: pucc-i.332
Posted: Thu Jun 28 10:48:49 1984
Date-Received: Sun, 1-Jul-84 02:32:00 EDT
Organization: Purdue University Computing Center
Lines: 13

The II+ --> //e conversion card is a Steve Wozniak project. I read a
Woz interview (a Wozinterview?) within the last month or so in which
he mentioned some of the problems involved and he seemed to be rather
discouraged. It was not clear whether he had given up on the idea, but
I think it is safe to say that the conversion card will not be appearing
soon.

I don't remember which magazine it was, but I can look it up if anyone
is interested.
--

Dave Seaman   "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From -3086803970628264867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,310f89c23b7c3608
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 10:13:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!coller
From: coller@utah-cs.UUCP (Lee D. Coller)
Newsgroups: net.micro.apple
Subject: Re: Language cards . . . (6502)
Message-ID: <2869@utah-cs.UUCP>
Date: Thu, 28-Jun-84 13:13:27 EDT
Article-I.D.: utah-cs.2869
Posted: Thu Jun 28 13:13:27 1984
Date-Received: Sat, 30-Jun-84 06:13:02 EDT
References: <1360@pur-phy.UUCP>
Organization: Univ of Utah CS Dept
Lines: 13

<>

One other thing regarding reading and writing language cards. If one
writes to an address between $D000 and $FFFF, and the card has not been
selected (and has not been write protected), the write is still done on
the language card. Of course, to read the card one has to select it.

This is out of the Language Card Reference Manual that came with my card
(I bought it in 1981).

Lee Coller
UUCP: harpo!utah-cs!coller
ARPA: coller@utah-cs.ARPA

From 3451304979036034789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 12:02:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site duke.UUCP

Path: utzoo!linus!decvax!mcnc!duke!ndd
From: ndd@duke.UUCP (Ned Danieley)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Mac newsgroup
Message-ID: <4476@duke.UUCP>
Date: Thu, 28-Jun-84 15:02:29 EDT
Article-I.D.: duke.4476
Posted: Thu Jun 28 15:02:29 1984
Date-Received: Sat, 30-Jun-84 06:09:46 EDT
References: <964@eosp1.UUCP>
Organization: Duke University
Lines: 8

<really?>

it seems to me that net.micro.apple is fine; it's
not particularly crowded.

Ned Danieley

From -138533246698947078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c954a72385905bb3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 14:16:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sri-unix!
BEN@MIT-MC.ARPA
From: BEN@MIT-MC.ARPA
Newsgroups: net.micro.apple
Subject: Emacs for the //e
Message-ID: <1395@sri-arpa.UUCP>
Date: Thu, 28-Jun-84 17:16:00 EDT
Article-I.D.: sri-arpa.1395
Posted: Thu Jun 28 17:16:00 1984
Date-Received: Sun, 1-Jul-84 04:49:44 EDT
Lines: 14

From: Benjamin Kuipers <BEN@MIT-MC.ARPA>

What is the most emacs-like editor for the //e?

I realize that the mass market doesn't like the
profusion of single-character commands, and the use
of control, meta, and control-meta characters.
However, it would certainly be feasible (I think)
to use open-apple for a meta-key. In that case,
has anyone put together a real emacs for the //e.
If not, how close can I get?

Thanks.

Ben Kuipers

From -3082293246370088373
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ec284b705aa2a47f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,ec284b705aa2a47f,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-06-28 14:22:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!linus!decvax!mcnc!ncsu!md
From: md@ncsu.UUCP ( )
Newsgroups: net.micro,net.micro.apple
Subject: Re: Franklin Computer Co.
Message-ID: <2637@ncsu.UUCP>
Date: Thu, 28-Jun-84 17:22:43 EDT
Article-I.D.: ncsu.2637
Posted: Thu Jun 28 17:22:43 1984
Date-Received: Sat, 30-Jun-84 07:01:20 EDT
References: <499@bnl.UUCP>
Organization: N.C. State University, Raleigh
Lines: 25

The legal and moral questions about Franklin computers aside I would
like to say that the Franklin computer has some features that EVERY
Apple owner should have. (I have a][+ my dad has a Franklin.)

I am talking about Franklin's version of FID (called FUD). Anyone that uses
FID has to know how frustrating it is, can't remember the numbers for the
functions (1 copy, 2 catalog, etc). FUD uses letters c for copy, s for show
files, etc. FID has a bad habit of asking for slot and drive numbers every
time you go from copy to catalog, FUD has defaults for slot and drive for
all of the options, there is no reset slot and drive feature on FUD, and there
is no space on disk feature, it is given after every catalog. FID puts you
back to the main menu after each function, FUD asks you if there is another
file you would like to perform that function on before returning you to the
main menu, this even holds true for I/O errors when VERIFYing an entire disk.
FUD has the Master Create program as a function, I know that this is outdated
but wait, with FUD's master create you can specify the file type to be executed
at boot time, Basic, Binary, or Exec!!

Hope I have convinced some of you that FUD is a must have, only one (and that's
it!) complaint, copying a locked file from disk 'A' to disk 'B' will result
in the file on disk 'B' being unlocked.

Mike Davis

From -2560892193626459576
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20

X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 14:53:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!linus!decvax!decwrl!sunny
From: sunny@sun.uucp (Sunny Kirsten)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <1328@sun.uucp>
Date: Thu, 28-Jun-84 17:53:18 EDT
Article-I.D.: sun.1328
Posted: Thu Jun 28 17:53:18 1984
Date-Received: Sat, 30-Jun-84 06:59:46 EDT
References: <964@eosp1.UUCP>
Organization: Sun Microsystems, Inc.
Lines: 3

Yes, we could use a separate group for MacLisa owners: net.MacLisa

{ucbvax|decvax|ihnp4}!sun!sunny (Sunny Kirsten of Sun Microsystems)

From -4316452436610424617
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,7d9d47c6b93839a9,start
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 1622d3,7d9d47c6b93839a9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-28 15:25:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!uevans
From: uevans@ecsvax.UUCP
Newsgroups: micro.apple,net.micro.apple
Subject: ACCESSING I/O PORTS FROM PCPI CARD on APPLE //e
Message-ID: <2806@ecsvax.UUCP>
Date: Thu, 28-Jun-84 18:25:11 EDT
Article-I.D.: ecsvax.2806
Posted: Thu Jun 28 18:25:11 1984
Date-Received: Sat, 30-Jun-84 07:01:35 EDT
Lines: 10

A friend of mine is trying to figure out how to access the I/O ports
from his PCPI card in an Apple //e. If any of you have already solved
the problem, would you either give him a call, or send me your name
and phone number and I'll pass it along to him?

     The friend: Martin Dillon
     Home Phone: (919) 968-4339 (available at this number most mornings)

Thanks!
                                   -- Libby Evans

From 8032334151116991797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-29 02:12:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!sri-unix!ned@BRL-BMD.ARPA
From: ned@BRL-BMD.ARPA
Newsgroups: net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <1423@sri-arpa.UUCP>
Date: Fri, 29-Jun-84 05:12:15 EDT
Article-I.D.: sri-arpa.1423
Posted: Fri Jun 29 05:12:15 1984
Date-Received: Sun, 8-Jul-84 08:46:09 EDT
Lines: 7

From: Raymond Prenatt (TANK) <ned@BRL-BMD.ARPA>

Yes. I, and several acquaintances, had to drop out of INFO-MAC because
we couldn't take the inundation of messages. I'd hate to have to drop
out of INFO-APPLE, to which I've subscribed for several years, for the
same reason. It already seems to be getting rapidly out of hand.
                                                    -Ned-

From -1981116580697115854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d403ad12e72cbb7b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-10 07:38:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxu.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxu!klick
From: klick@ihuxu.UUCP (Vickie Klick)
Newsgroups: net.micro.apple
Subject: Wanted: Apple CP/M Communications with Super Serial Card
Message-ID: <351@ihuxu.UUCP>
Date: Tue, 10-Jul-84 10:38:03 EDT
Article-I.D.: ihuxu.351
Posted: Tue Jul 10 10:38:03 1984
Date-Received: Wed, 11-Jul-84 01:05:51 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 17

I have an Apple][which I am using with a Z80
card to run CP/M. I need to be able to upload and
download files with another CP/M system. Both systems
are using USR modems at 1200 baud, and the other system
is running a version of MODEM. So far, the only

communication program we've been able to get working
with the Apple and the Super Serial Card is DOS 3.3-based,
and even with CP/M conversion programs we can only
transfer ASCII CP/M files. This makes it difficult to
download objects for MODEM from an RCP/M, so I'm looking
for someone with the same configuration (Apple and Super
Serial Card) to get a disk from. Please respond by mail,
and I'll work out the logistics of getting the disk to you.
        Thanks in advance,
            Vickie Klick ...ihnp4!ihuxu!klick
         AT&T Bell Laboratories
         Naperville, IL

From -4697738380330141515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b15fe6488b30c254,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-10 08:42:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihldt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihldt!juracan
From: juracan@ihldt.UUCP (Teodoro Alonso)
Newsgroups: net.micro.apple
Subject: tohex, fromhex encoding scheme (SumMAC)
Message-ID: <2409@ihldt.UUCP>
Date: Tue, 10-Jul-84 11:42:43 EDT
Article-I.D.: ihldt.2409
Posted: Tue Jul 10 11:42:43 1984
Date-Received: Wed, 11-Jul-84 01:07:47 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 11

<May the Bug die someday>

     Could somebody please post (send me mail) information on the
encoding/decoding scheme used in tohex/fromhex from the SumMAC
CCOM system? Somebody posted a "quickprint" program a while ago
to net.sources using this encoding scheme and I haven't been able
to decode it yet.

                        THANXS
                        Teodoro Alonso
                        ihnp4!ihldt!juracan

From -5100846750876867706
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,341b69e9a6c9179,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,341b69e9a6c9179,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-10 09:03:33 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site iwu1c.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!iwu1c!wodarz
From: wodarz@iwu1c.UUCP (Dennis Wodarz)
Newsgroups: net.micro,net.micro.apple
Subject: Password problem solved!
Message-ID: <246@iwu1c.UUCP>
Date: Tue, 10-Jul-84 12:03:33 EDT
Article-I.D.: iwu1c.246
Posted: Tue Jul 10 12:03:33 1984
Date-Received: Wed, 11-Jul-84 01:11:53 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 37

First of all I would like to thank all of you who responded to my plea for help with my Password modem. Using these responses I was able to solve my problem. Since many of you asked me to let you know how things got resolved I am posting this reply here instead of mailing each of you a separate response.

My main problem was reading the documentation for the Versacard first and believing what they claimed. According to Prometheus, a data format of 8 data, 1 start and 2 stop bits is the most common and therefore this is the default on the Versacard. Although the data format on the Versacard is software selectable, the documentation for it does not tell you how to do this. For this reason, I set up my Password for an 11 bit word (this is easy to do and is well documented in the Password documentation). As you know everything was OK at 300 baud but it did not work properly at 1200. To solve the problem I reset my Password to use a 10 bit word since many of you told me that an eleven bit word was not correct for 1200 baud. I also had to find a way to program the Versacard to recognize this format properly. I was able to do this by using the Softerm communications program since this package has a driver specifically for the versacard. By selcting the appropriate options I was able to get the Versacard to use the 10 bit format! I had to make on other change and that was to get Softerm to use the DTR signals instead of Xon/XOFF to control timing. After all that, everything works beatifully!!

Thanks again to all those
who helped out by responding.

--

Dennis Wodarz
ihnp4!iwu1c!wodarz
312+979-7971

From 3493473522757148436
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f92c259593307e94,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-11 01:55:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site micomvax.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!hao!seismo!cmcl2!
philabs!micomvax!alan
From: alan@micomvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple //c Information Request
Message-ID: <313@micomvax.UUCP>
Date: Wed, 11-Jul-84 04:55:57 EDT
Article-I.D.: micomvax.313
Posted: Wed Jul 11 04:55:57 1984
Date-Received: Mon, 16-Jul-84 05:06:49 EDT
Organization: Micom Co., Montreal Canada
Lines: 12

{ Take that you line e@#$@r you }
<   BABALOO   >
Hello,
     My parents are considering the purchase of an Apple //c with Monitor
for $1899.00 (Canadian). Is this a good bargain. Also if you know of any
possible INCOMPATABILTY problems with the apple //e, or any other info on
the //c could you please mail me a response.

                  Thanks in advance.
                       alan whitton
                  ..!allegra!philabs!micomvax!alan

From -6829335190774302848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c4f5ef351779524,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-11 09:38:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: MacPascal release
Message-ID: <204@mhuxt.UUCP>
Date: Wed, 11-Jul-84 12:38:35 EDT
Article-I.D.: mhuxt.204
Posted: Wed Jul 11 12:38:35 1984
Date-Received: Thu, 12-Jul-84 03:57:14 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

St. Mac arrived the other day with a comment that MacPascal should be out at the same time as the issue. A call to Think Technologies said otherwise - "sometime in August" (year not specified). Manx will probably be out with their C first...

steve crandall
mhuxt!evans

From 6969438134514227680
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3b0b17fbe8a88578,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,3b0b17fbe8a88578,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 15517a,3b0b17fbe8a88578,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-07-11 11:36:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 02/21/84; site packard.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!packard!mlp
From: mlp@packard.UUCP (M. Pasquale)
Newsgroups: net.micro.apple,net.micro.pc,net.wanted
Subject: HELP!!!! Does anyone have Wordstar?
Message-ID: <249@packard.UUCP>
Date: Wed, 11-Jul-84 14:36:51 EDT
Article-I.D.: packard.249
Posted: Wed Jul 11 14:36:51 1984
Date-Received: Thu, 12-Jul-84 04:16:43 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 18

HELP!!!

I need a copy of WordStar version 3.01P source code for my Apple II+.

Due to the careless (and unforeseen) use of a brass lamp, both of my WordStar source diskettes have been de-magnatised.

If anyone has a source disk that I could copy back onto my original disks, I would be forever greatful. I would like to avoid sending them back to the company if possible.

Please response by mail. Thanks a million!!!!

Martha Pasquale
AT&T Technologies
Piscataway. NJ
(201) 981-6615
pyuxnn!mlp

From -80429379097229679

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,43a5b20fd344b1fd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-11 13:53:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Apple II/Microsoft Softcard Timing Problems
Message-ID: <4885@utcsrgv.UUCP>
Date: Wed, 11-Jul-84 16:53:01 EDT
Article-I.D.: utcsrgv.4885
Posted: Wed Jul 11 16:53:01 1984
Date-Received: Thu, 12-Jul-84 16:00:12 EDT
References: <1574@sri-arpa.UUCP>
Organization: CSRI, University of Toronto
Lines: 18

Regarding CP/M cards and apple II-type machines, one thing I did not
see mentioned was that you might have power supply
problems. Although most TTL stuff as used in Apple][-style machines
will work with 4.8 volts or so, the z-80 seem to be much more
finickey and require an honest-to-goodness 5 volts. If you supply
is delivering under 5 volts, it is possible that almost everything
under the sun will work except your z-80 card (or it may work
erratically).
  If you want to try fixing things yourself, there should be a little
hole in the bottom of the power supply with has a trim-screw underneath
it. Adjust this while using a voltmeter to check out what you
are doing.
  (Note also that this must be done while the suppy is connected
to the system -- the supply will fail to operate in a "no-load"
condition.)
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -8401308411888834131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5431a3bebe663f34,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13cc7c,5431a3bebe663f34,start
X-Google-Attributes: gid13cc7c,public
X-Google-ArrivalTime: 1984-07-11 14:52:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stcvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!hao!stcvax!lat
From: lat@stcvax.UUCP
Newsgroups: net.kids,net.micro.apple
Subject: Want recommendations for Apple II educational s/w

Message-ID: <291@stcvax.UUCP>
Date: Wed, 11-Jul-84 17:52:11 EDT
Article-I.D.: stcvax.291
Posted: Wed Jul 11 17:52:11 1984
Date-Received: Tue, 17-Jul-84 01:34:05 EDT
Organization: Storage Technology Corp. Louisville, CO
Lines: 22
Xref: 218 506

I'm posting this for my sister. She is vacationing in the states
right now from Brazil, where she lives. Her sons' school has
acquired an Apple II and a IIe. Among other things, she's
looking for good programs teaching basic skills like reading
and arithmetic (or anything, really, as long as it is well
written and useful). Her sons' are 8 and 4 years, so we're
talking elementary school kind of stuff. The programs will
be used by other children at school too, though.

She's already acquired Logo, thanks.

As a former teacher, my sister has some notions about what a
"good" program will do. For instance, she was not impressed
with a reading program that displayed everything in upper case,
since visually the two cases are very different. She prefers
positive to negative reinforcement.

These are just some basic guidelines, but all recommendations
will be passed along. Please reply by mail.
--
{ihnp4 hao philabs sdcrdcf ucbvax!nbires}!stcvax!lat   Larry Tepper
Storage Technology, MD-3T, Louisville, CO 80028   303-673-5435

From -6694745092533155960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,92ab6fd34a03016d,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 16e6d2,92ab6fd34a03016d,start
X-Google-Attributes: gid16e6d2,public
X-Google-Thread: 15517a,92ab6fd34a03016d,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-07-11 20:43:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!akgua!mcnc!ecsvax!pizer
From: pizer@ecsvax.UUCP
Newsgroups: net.micro.pc,net.micro.apple,micro.ibm
Subject: Apple Emulator for IBM PC
Message-ID: <2916@ecsvax.UUCP>
Date: Wed, 11-Jul-84 23:43:14 EDT
Article-I.D.: ecsvax.2916
Posted: Wed Jul 11 23:43:14 1984
Date-Received: Sat, 14-Jul-84 01:23:36 EDT

Lines: 8

Isn't there a expansion card for the PC that will let it emulate an Apple II,
or read its disks or something like that? I thought I heard about such a
card, and it would be quite useful for converting some Applesoft programs
to Microsoft for a PC. Any info appreciated.

Thanks,
  Billy Pizer
  (mcnc!ecsvax!pizer)

From -6268372784144873403
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c4d3c5fb59f70c20
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c4d3c5fb59f70c20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-12 00:08:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hirst1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!ukc!hirst1!ksbc
From: ksbc@hirst1.UUCP (Annie Brooking KSBC)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Separate newsgroup for Mac owners?
Message-ID: <62@hirst1.UUCP>
Date: Thu, 12-Jul-84 03:08:32 EDT
Article-I.D.: hirst1.62
Posted: Thu Jul 12 03:08:32 1984
Date-Received: Sat, 7-Jul-84 01:27:44 EDT
References: <964@eosp1.UUCP>
Organization: Hirst Research Centre
Lines: 10

Discussions on whether we should have a Lisa or Mac news group have been going
on for ages, and with the increased amout of trafic that is being generated by
these machines (mainly the Mac), it's about time something was done. Although
they are both Apple machines, we could at least have a sub-group of
net.micro.apple, or more important a net.lisa (for Lisa technology, not the
machine).

Yorick Phoenix

(all tm's recognised).

From -3752402464870565376
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2374bbb9e218929,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-12 17:52:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 (MC830707); site sara70.UUCP

Path: utzoo!linus!decvax!mcvax!sara70!gijs
From: gijs@sara70.UUCP (gijs)
Newsgroups: net.micro.apple
Subject: SYSTEM.ATTACH [1.2] documentation requested
Message-ID: <211@sara70.UUCP>
Date: Thu, 12-Jul-84 20:52:27 EDT
Article-I.D.: sara70.211
Posted: Thu Jul 12 20:52:27 1984
Date-Received: Sat, 14-Jul-84 02:01:49 EDT
Organization: SARA, Amsterdam, The Netherlands
Lines: 13

I'm converting a program from Apple pascal 1.1 to
the 128 K flavour of pascal 1.2 on an Apple //e.
The program uses attached drivers and interrupts. Apple
Netherland supplied a version 1.2 ATTACH but with the
1.1 manual (Apple technical note #11). The only person at
Apple to help me out left for a 3 weeks holiday yesterday.
Can somebody in netland tell me how to use interrupts in
an 128 K 1.2 driver. It must be quite different from version
1.1 due to the bank switching.

Thanks,
Gijs Mos @ Biolab Free University
{decvax,philabs}!mcvax!sara70!gijs

From 5354632024059214176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,3159d5fe101cefdd,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,3159d5fe101cefdd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-13 11:05:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tektronix.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
akgua!mcnc!decvax!tektronix!robertj
From: robertj@tektronix.UUCP (Robert Jaquiss)
Newsgroups: net.games,net.micro.apple
Subject: Static games for Apple IIE wanted
Message-ID: <3079@tektronix.UUCP>
Date: Fri, 13-Jul-84 14:05:49 EDT
Article-I.D.: tektroni.3079
Posted: Fri Jul 13 14:05:49 1984
Date-Received: Mon, 16-Jul-84 07:39:28 EDT
Organization: Tektronix, Beaverton OR
Lines: 15

Are there such things as games for the Apple IIe that
are basically static? I have a friend who is a teacher for
the handicapped and wants games that will wait for a student

to move. These students are severely handicapped and can't move accurately or fast enough to use animated games. Thank you.

Robert S. Jaquiss Jr.

ucbvax!tektronix!robertj (uucp)
robert jaquiss@tektronix (csnet)
robert jaquiss.tektronix@rand-relay (arpanet)
(503) 627-6346 (audio phone at work)

From 422348575729457532
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,35f0de568b842e69,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-13 15:04:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!tektronix!hplabs!sdcrdcf!sdcsvax!sdccsu3!loral!hlb
From: hlb@loral.UUCP ()
Newsgroups: net.micro.apple
Subject: DOS3.3 patch for a profile ?
Message-ID: <266@loral.UUCP>
Date: Fri, 13-Jul-84 18:04:44 EDT
Article-I.D.: loral.266
Posted: Fri Jul 13 18:04:44 1984
Date-Received: Wed, 18-Jul-84 02:21:58 EDT
Lines: 11

Does anyone have knowledge of a patch that will allow the Apple profile work under DOS 3.3 ? I have heard of other patches to DOS 3.3 to enable it to work with other hard disks. Any help would be appreciated.
--
{ucbvax, ittvax!dcdwest}!sdcsvax!sdccsu3!loral!hlb

The opinions and/or feelings expressed here are entirely the reponsibililty of the author and as such do not necessarily represent those of management, either in whole or in part.

From 97302505413367558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9ae297ff294c0598,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,9ae297ff294c0598,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-07-14 14:01:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!garyglad
From: garyglad@utzoo.UUCP (Gary Gladstone)
Newsgroups: net.micro,net.micro.apple
Subject: Olivetti/Docutel Inkjet Printer
Message-ID: <4082@utzoo.UUCP>
Date: Sat, 14-Jul-84 17:01:47 EDT
Article-I.D.: utzoo.4082
Posted: Sat Jul 14 17:01:47 1984
Date-Received: Sat, 14-Jul-84 17:01:47 EDT
Organization: U of Toronto Zoology
Lines: 17

Would anyone having any information on the Olivetti/Docutel
Ink Jet Printer please let me know if it can be used
for Graphics, Letter Quality, compressed print, ...
Also, does it have many serviceable parts?
Does it use standard paper?
Are ink ampules costly, and in what colours?
I am thinking of purchasing this printer, but
I would like some more information first.
Also, is all I need a parallel card to hook it
up to my APPLE II+, and will the CPS card
from Mountain Hardware suffice?
Thanks a lot for your help,
I will post responses to the net,
GARY
--
Gary Gladstone @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!garyglad

From -6408729284600238956
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13b3e09ed7addb7a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 05:44:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!analog!kim
From: kim@analog.UUCP
Newsgroups: net.micro.apple
Subject: MACINTOSH DISKS--WHICH TO USE?
Message-ID: <139@analog.UUCP>
Date: Mon, 16-Jul-84 08:44:40 EDT
Article-I.D.: analog.139
Posted: Mon Jul 16 08:44:40 1984
Date-Received: Wed, 18-Jul-84 06:35:19 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 22

The other day I found a dealer which has Sony Microdisks on sale. They were

in packages of 5 ea, for $36.90 per pkg. I bought a package and got it home before I realized that this translates to ~ $74 for 10 disks! And I was refusing to buy Memorex disks at $70/10!

So far, the pricing for disks appears to be: Apple disks (when you can find them) are $48; HP disks are $58-60; Memorex are $70; and Sony at $74.
(Evidently the price is high because the supply is low (I HOPE!))
I have seen and heard various tidbits about HP disks not working very well, and about Memorex disks being D.O.A.--apparently, shutters on some disks are different preventing insertion of the disk into the Mac drive, and some disks won't format properly. One dealer I visit absolutely recommends AGAINST using HP disks in the Mac, but 10 of 10 HP disks that I tried have worked no problem.

Soooooooo.... what are the experiences of other Mac Users on the net? Anyone have any horror stories? Any Recommendations?

Kim Helliwell
hplabs!analog!kim

From -9086366694948547820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f2a4c10f858c93cc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 10:56:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Reply to Eddie Kessler (//e 80-col. driver)
Message-ID: <364@pucc-i>
Date: Mon, 16-Jul-84 13:56:35 EDT
Article-I.D.: pucc-i.364
Posted: Mon Jul 16 13:56:35 1984
Date-Received: Wed, 18-Jul-84 02:00:05 EDT
Organization: Purdue University Computing Center
Lines: 67

This is intended for Eddie Kessler (ARPA: eddie%su-psych@su-score).
Sorry about posting to the net, but I can't mail to ARPA.

My terminal emulator is in Modula-2 (Volition Systems) which runs under Pascal 1.1. Of course the interrupt handler and the time-critical code is in assembly language. I don't have the source on line, because the file transfer routines are not implemented yet. I can certainly sympathize with your remarks about lack of time!

I do not use an ATTACH driver to handle the interrupts because the terminal emulator is the only program I have which needs to use

interrupts or the serial port, and it seems to be easier, probably faster, and certainly more space-efficient to put the interrupt logic into the program itself. This also means I can write an interrupt handler that does not need to reference the I/O locations on page 1, so interrupts can be left on all the time. Modula-2 automatically enables interrupts except when doing disk I/O. I believe Pascal 1.1 has a few problems with interrupts.

If you want to disable interrupts when page 2 is swapped in, you might use the ROM listings as a starting point. To clear the screen, for example, the scheme is

1. Clear page 1, leaving interrupts enabled.
2. Disable interrupts and swap in page 2.
3. Clear page 2.
4. Swap in page 1 and enable interrupts.

Step 3 takes enough time to cause problems at 1200 baud. For a possible fix, look at the routine BASCALC (the one in the 80-column firmware, not the routine by the same name in the F8 ROM). This routine is called each time you move to a new row to compute the base address. BASCALC checks what language is running (BASIC or Pascal) and if BASIC is running it calls a routine in the F8 ROM which "sniffs" IRQ. This is not done under Pascal because the F8 ROM is not active. Since you almost have to duplicate the ROM code in your terminal emulator anyway in order to make changes, this one probably fits right in. The same modified BASCALC should also fix your scrolling problems.

I have not run into any assembler or linker problems with Pascal, but I did find one that seems to show up only under Modula-2. There are some updates in the wind, both hardware and software:

1. Look for a //c-compatible ROM to plug into the //e Real Soon Now. If you don't run canned software you may never need it, but some new programs being developed for the //c may not run on a //e with the old ROM.

2. Apple Pascal 1.2 is apparently being shipped now after some delays, though I have not received mine yet. I heard that an unacceptable number of bugs were found in 1.2 when it first came out. This version is supposed to support 128K and double density graphics on a //e, as well as fix some problems in 1.1.

3. Volition Systems has announced a new Modula-2 to work under Pascal 1.2, but the release apparently has been delayed because of the problems with 1.2.

4. You will probably need a new ATTACH document for 1.2, but it may not be available yet. I called International Apple Core about two months ago and they knew nothing about it.

Hope this helps.
--

Dave Seaman   My hovercraft is no longer full of
..!pur-ee!pucc-i:ags   eels (thanks to my confused cat).

From 8492471182614232926
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96ff70077b7b3c69,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 11:53:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: modem for macterminal
Message-ID: <330@oddjob.UChicago.UUCP>
Date: Mon, 16-Jul-84 14:53:59 EDT
Article-I.D.: oddjob.330
Posted: Mon Jul 16 14:53:59 1984
Date-Received: Tue, 17-Jul-84 01:46:43 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 9

<asdf>

     What can people tell me about auto answer-dial modems
     for the final version of Macterminal? What modems work,
     how much do they run, and what about the apple modem?
     Thanks alot.

     Sean Casey || University of Chicago
     ...!ihnp4!oddjob!sean || Dept of Astronomy and Astrophysics

From 7583005650475525792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25e6b2c9e87c70d0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 15:39:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!stolaf!goldman
From: goldman@stolaf.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple
Subject: need Graphics Magician instructions
Message-ID: <1770@stolaf.UUCP>
Date: Mon, 16-Jul-84 18:39:56 EDT
Article-I.D.: stolaf.1770
Posted: Mon Jul 16 18:39:56 1984
Date-Received: Wed, 18-Jul-84 02:03:41 EDT
Organization: St. Olaf College, Northfield MN
Lines: 12

I recently accquired a copy of Graphics Magician by Penguin Software. But I don't have the instructions, does anyone have a copy of the instructions?

Thanks in advance!!

The Tacmaster

```
********
*  **  *
********
*  **  *
*      *
```

From 3307741608093312234
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84a8a8c86f5128ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 15:48:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!stolaf!goldman
From: goldman@stolaf.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple
Subject: Joystick info needed
Message-ID: <1771@stolaf.UUCP>
Date: Mon, 16-Jul-84 18:48:09 EDT
Article-I.D.: stolaf.1771
Posted: Mon Jul 16 18:48:09 1984
Date-Received: Wed, 18-Jul-84 02:02:05 EDT
Organization: St. Olaf College, Northfield MN
Lines: 7

I would like to get instructions for building an apple joystick, preferably for two joysticks. Can anyone out there help me?

Thanks in advance!

the Tacmaster

From 5606630141612911101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d9b5673e5c519d8d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 18:33:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihldt.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihldt!juracan
From: juracan@ihldt.UUCP (Teodoro Alonso)

Newsgroups: net.micro.apple
Subject: Resource fork - Help!
Message-ID: <2419@ihldt.UUCP>
Date: Mon, 16-Jul-84 21:33:31 EDT
Article-I.D.: ihldt.2419
Posted: Mon Jul 16 21:33:31 1984
Date-Received: Tue, 17-Jul-84 02:16:39 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 8

<>
     Does anybody know how to open a file (in MS-<yuck>Basic)
to write to the resource fork instead of the data fork? Or what ROM
subroutine (Address and calling sequence please) do I have to call.

                         Thanks in Advance,
                         Teodoro Alonso
                         ihnp4!ihldt!juracan

From 4375970604847373064
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,25e6b2c9e87c70d0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 18:58:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!brl-tgr!gwyn
From: gwyn@brl-tgr.ARPA (Doug Gwyn <gwyn>)
Newsgroups: net.micro.apple
Subject: Re: need Graphics Magician instructions
Message-ID: <3327@brl-tgr.ARPA>
Date: Mon, 16-Jul-84 21:58:15 EDT
Article-I.D.: brl-tgr.3327
Posted: Mon Jul 16 21:58:15 1984
Date-Received: Thu, 19-Jul-84 04:25:05 EDT
References: <1768@stolaf.UUCP>
Organization: Ballistics Research Lab
Lines: 9

Penguin Software's Graphics Magician comes with instructions.
Penguin has commendably left their non-game software copyable
for the convenience of the rightful owner, under the condition
that the owner will not redistribute it. If you have the
right to the software then you have a registration card on
file at Penguin and they will undoubtedly be happy to supply
you with a replacement manual. Otherwise you are a thief and
should be discouraged in every way possible, so as not to ruin
things for Penguin's legitimate customers.

From 6055185159829961148

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7d42901a5b199cd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 21:10:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houxe!drutx!shallman
From: shallman@drutx.UUCP
Newsgroups: net.micro.apple
Subject: Modula-2 Request
Message-ID: <599@drutx.UUCP>
Date: Tue, 17-Jul-84 00:10:55 EDT
Article-I.D.: drutx.599
Posted: Tue Jul 17 00:10:55 1984
Date-Received: Wed, 11-Jul-84 07:19:02 EDT
Expires: Sat, 1-Sep-84 02:00:00 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 14

(--)
Has anybody out there done any work with Modula-2 on their
Apple][+? I am especially interested in Volition Systems'
Modula-2 ....

Thanks in advance. Please respond via mail, I will post the responses
if there is sufficient interest.

James Shallman
Room DR31E48
American Telephone and Telegraph Information Systems Laboratories (ATTISL)
11900 N. Pecos
Denver, CO 80234
(602) 538-3834

From -1646364946746064627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,67cfc717ddd8e79a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 23:15:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!e-smith
From: e-smith@utah-cs.UUCP (Eric Smith)
Newsgroups: net.micro.apple
Subject: Re: MacPaint Document Format
Message-ID: <2910@utah-cs.UUCP>
Date: Tue, 17-Jul-84 02:15:10 EDT
Article-I.D.: utah-cs.2910
Posted: Tue Jul 17 02:15:10 1984
Date-Received: Wed, 18-Jul-84 06:22:38 EDT
References: <137@analog.UUCP>
Organization: Univ of Utah CS Dept

Lines: 145

The following material spontaneously evolved from a mudpuddle
(amazing, isn't it?)

The MacPaint Document Format
By Bill Atkinson

MacPaint documents are easy to read and write, and have become a standard interchange format for full-page bitmap images on Macintosh. Their internal format is described here to aid program developers in generating and reading MacPaint documents.

MacPaint documents use only the data fork of the file system; the resource fork is not used and may be ignored. The data fork contains a 512 byte header and then the compressed data representing a single bitmap of 576 pixels wide by 720 pixels tall. At 72 pixels per inch, this bitmap occupies the full 8 by 10 inch printable area of the Imagewriter printeg page.

HEADER:

The first 512 bytes of the document form a header with a 4 byte version number (default = 2), then 38*8 = 304 bytes of patterns, then 204 unused bytes reserved for future expansion. If the version number is zero, the rest of the header block is ignored and default patterns are used, so programs generating MacPaint documents can simply write out 512 bytes of zero as the document header. Most programs which read MacPaint documents can simply skip over the header when reading.

BITMAP:

Following the header are 720 compressed scanlines of data which form the 576 wide by 720 tall bitmap. Without compression, this bitmap would occupy 51840 bytes and chew up disk space pretty fast; typical MacPaint documents compress to about 10 Kbytes using the PackBits procedure in the Macintosh ROM to compress runs of equal bytes within each scanline. The bitmap part of a MacPaint document is simply 720 times the output of PackBits with 72 bytes input.

READING SAMPLE:

```
CONST srcBlocks = 2; { at least 2, bigger makes it faster }
      srcSize = 1024; { 512 * srcBlocks }
TYPE diskBlock = PACKED ARRAY[1..512] of QDByte;
VAR srcBuf: ARRAY[1..srcBlocks] of diskBlock;
    srcPtr,dstPtr: QDPtr;

{ skip the header }
ReadData(srcFile,@srcBuf,512);

{ prime srcBuf}
ReadData(srcFile,@srcBuf,srcSize);
```

```
{ unpack each scanline into dstBits, reading more source as needed }
srcPtr := @srcBuf;
dstPtr := dstBits.baseAddr;
FOR scanLine := 1 to 720 DO
  BEGIN
    UnPackBits(srcPtr,dstPtr,72);  { bumps both ptrs }
    { time to read next chunck of packed source? }
    IF ORD(srcPtr) > ORD(@srcBuf) + srcSize - 512 THEN
      BEGIN
        srcBuf[1] := srcBuf[srcBlocks];  { move up last block }
        ReadData(srcFile,@srcBuf[2],srcSize-512);
        srcPtr := Pointer(ORD(srcPtr) - srcSize + 512);
      END;
  END;
```

WRITING SAMPLE:

To write out a 576 by 720 bitmap which is contained in memory, the following fragment of code could be used:

```
TYPE diskBlock = PACKED ARRAY[1..512] OF QDByte;
VAR srcPtr,dstPtr: QDPtr;
    dstBuf: diskBlock;
    dstBytes: INTEGER;

{ write the header, all zeros }
FOR i := 1 TO 512 DO dstBuf[i] := 0;
WriteData(dstFile,@dstBuf,512);

{ Compress each scanline and write it }
srcPtr := srcBits.baseAddr;
FOR scanLine := 1 TO 720 DO
  BEGIN
    dstPtr := @ dstBuf;
    PackBits(srcPtr,dstPtr,72);  { bumps both ptrs }
    dstBytes := ORD(dstPtr) - ORD(@dstBuf);  { calc packed size }
    WriteData(dstFile,@dstBuf,dstBytes);  { write packed data }
  END;
```

This will probably only help you if you have Inside Macintosh; even then, the PackBits and UnpackBits calls to QuickDraw are currently not documented (the above code shows how to call them from Lisa Pascal, by referring to the IM chapter "Assembly Language" you could figure out how to call them from assembly code).

To read MacPaint documents from BASIC, you would probably either need to figure out what PackBits and UnpackBits do, or write an interface routine in assembly and poke it into memory.

Inside Macintosh is a two volume set (in two LARGE three ring binders) which describes all but 37 of the traps to the Macintosh ROM, which

includes the OS, the user interface toolkit, and QuickDraw.

Also available (and necessary for program development) is the
"Macintosh Software Supplement to the Lisa Pascal Workshop 2.0" which includes
2 disks of Macintosh example programs and utilities (including the
resource mover, alert/dialog editor, font editor, icon editor, etc.),
1 MacWorks disk to allow you to run most Macintosh software on the Lisa,
1 MacWorks disk with the LisaBug debugger, and 4 disks full of the actual
Lisa software you need to develop Macintosh applications (you still need to
get the Lisa Pascal Workshop 2.0; this is just a supplement) and source code
of several example programs and a desk accessory. When you purchase the
supplement you also get (someday?) the updates to Inside Macintosh and a
final copy (probably about when the Mac is obsolete). Beats me why the IM
update comes with the supplement rather than the IM itself. Oh well, you
need both anyhow.

Inside Macintosh and the Macintosh Software Supplement may be obtained (at
least they could when I got 'em) for $150 and $100, respectively, by sending
a company check (no P.O.s) to Apple's San Jose order processing facility:

Apple Computer, Inc.
467 Saratoga Avenue, Suite 621
San Jose, CA 95129.

They told me to expect to get it four to six weeks ARO; I got mine six
weeks to the day after I got the return receipt from the post office
(I was beginning to pull my hair out!)

The Lisa Pascal Workshop 2.0 (Apple part no. A6D0201) should be available
from your local Apple Lisa dealer.

Eric L. Smith

B324 Van Cott Hall
University of Utah
Salt Lake City, Utah 84112

(801) 584-4276

(I don't know my net address yet, I'm new to this and will have to find
out tomorrow.)

From 3298826799358199972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23dbda2b8ca756bf
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 23:28:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!e-smith
From: e-smith@utah-cs.UUCP (Eric Smith)
Newsgroups: net.micro.apple

Subject: Re: Inside Macintosh
Message-ID: <2911@utah-cs.UUCP>
Date: Tue, 17-Jul-84 02:28:33 EDT
Article-I.D.: utah-cs.2911
Posted: Tue Jul 17 02:28:33 1984
Date-Received: Wed, 18-Jul-84 06:22:53 EDT
References: <140@wnuxb.UUCP>
Organization: Univ of Utah CS Dept
Lines: 43

Inside Macintosh is a two volume set (in two LARGE three ring binders)
which describes all but 37 of the traps to the Macintosh ROM, which
includes the OS, the user interface toolkit, and QuickDraw.

Also available (and necessary for program development) is the
"Macintosh Software Supplement to the Lisa Pascal Workshop 2.0" which includes
2 disks of Macintosh example programs and utilities (including the
resource mover, alert/dialog editor, font editor, icon editor, etc.),
1 MacWorks disk to allow you to run most Macintosh software on the Lisa,
1 MacWorks disk with the LisaBug debugger, and 4 disks full of the actual
Lisa software you need to develop Macintosh applications (you still need to
get the Lisa Pascal Workshop 2.0; this is just a supplement) and source code
of several example programs and a desk accessory. When you purchase the
supplement you also get (someday?) the updates to Inside Macintosh and a
final copy (probably about when the Mac is obsolete). Beats me why the IM
update comes with the supplement rather than the IM itself. Oh well, you
need both anyhow.

Inside Macintosh and the Macintosh Software Supplement may be obtained (at
least they could when I got 'em) for $150 and $100, respectively, by sending
a company check (no P.O.s) to Apple's San Jose order processing facility:

Apple Computer, Inc.
467 Saratoga Avenue, Suite 621
San Jose, CA 95129.

They told me to expect to get it four to six weeks ARO; I got mine six
weeks to the day after I got the return receipt from the post office
(I was beginning to pull my hair out!)

The Lisa Pascal Workshop 2.0 (Apple part no. A6D0201) should be available
from your local Apple Lisa dealer.

Eric L. Smith

B324 Van Cott Hall
University of Utah
Salt Lake City, Utah 84112

(801) 584-4276

(I don't know my net address yet, I'm new to this and will have to find
out tomorrow.)

From -2950994654628506055
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a4648e150544c816
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-16 23:40:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utah-cs.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!e-smith
From: e-smith@utah-cs.UUCP (Eric Smith)
Newsgroups: net.micro.apple
Subject: Re: Apple Mouse pinouts
Message-ID: <2912@utah-cs.UUCP>
Date: Tue, 17-Jul-84 02:40:04 EDT
Article-I.D.: utah-cs.2912
Posted: Tue Jul 17 02:40:04 1984
Date-Received: Wed, 18-Jul-84 06:23:07 EDT
References: <5800002@uicsl.UUCP>
Organization: Univ of Utah CS Dept
Lines: 22

AppleMouse pinout:

1 - GND
2 - +5V (for mouse ONLY!)
3 - GND
4 - X2 (to 6522 PB4)
5 - X1 (to 8530 *DCDA)
6 - no connect
7 - *SW (to 6522 PB3)
8 - Y2 (to 6522 PB5)
9 - Y1 (to 8530 *DCDB)

Eric L. Smith

B324 Van Cott Hall
University of Utah
Salt Lake City, Utah 84112

(801) 584-4276

(I don't know my net address yet, I'm new to this and will have to find
out tomorrow.)

From 6930221084101877687
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c107dc11e2794f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-17 02:06:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: What to the Errors from macget mean?
Message-ID: <334@oddjob.UChicago.UUCP>
Date: Tue, 17-Jul-84 05:06:40 EDT
Article-I.D.: oddjob.334
Posted: Tue Jul 17 05:06:40 1984
Date-Received: Wed, 18-Jul-84 02:13:36 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 18

Does anyone have a list of the error codes from Macterminal
-0.15x ? I've had problems running macget at 9600 baud with
frequent errors once the ruler reaches the 100% mark.

"Got IO Error -39 readin
 FillBuf"

Huh? Or while transfering files via macget, the mac will show

"Got IO Error -49.."

After which the file transfer continues like nothing happened.
Can anyone show me the light on these error codes and what
they are complaining about? Thanks in advance.

Sean Casey || University of Chicago
...!ihnp4!oddjob!sean || Dept of Astronomy and Astrophysics

From 3318957710288251721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,f3319085c5f06754,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12c65a,f3319085c5f06754,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 15e263,f3319085c5f06754,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1433f1,f3319085c5f06754,start
X-Google-Attributes: gid1433f1,public
X-Google-Thread: 1622d3,f3319085c5f06754,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,f3319085c5f06754,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 150311,f3319085c5f06754,start
X-Google-Attributes: gid150311,public
X-Google-ArrivalTime: 1984-07-17 06:19:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!dual!decwrl!dec-rhea!dec-cache!leigh

From: leigh@cache.DEC (Allen Leigh @SHR1-3/E29 DTN 237-3255)
Newsgroups:
net.micro.apple,net.micro.cbm,net.micro.pc,net.micro.zx,net.micro.6809,net.micro.cpm,net.micro.atari
Subject: Announcement: The HOME COMPUTER Newsletter
Message-ID: <2632@decwrl.UUCP>
Date: Tue, 17-Jul-84 09:19:09 EDT
Article-I.D.: decwrl.2632
Posted: Tue Jul 17 09:19:09 1984
Date-Received: Wed, 18-Jul-84 03:24:26 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 44

I've begun as a home business the publishing of a monthly newsletter for people who have an interest in home computers but know little or nothing about them. You are probably too sophisticated for this newsletter, but you have friends who would enjoy reading it.

The newsletter is called The HOME COMPUTER Newsletter. Without a lot of technical jargon and buzz words, it will bring the following:

- price information
- quality information
- new product announcements
- trends from the computer industry
- information for new users to help them feel comfortable with their new systems and to learn how to use the systems more effectively.
- my opinions and recommendations about home computer matters.
- answers to questions, etc.

The first issue, which is a pre-subscription issue (subscriptions begin in October), discusses the following topics:

- Welcome to the Newsletter
- What the Newsletter will contain
- The home computer market
- News flashes
- Protection from lightning
- What are home computers?
- Some good reading
- Price trends
- In the next issue (news flashes, what to do with a home computer, how to select a home computer, should you buy mail order or from a store, and should you buy a "complete package" or individual components.)

If you feel your friends would be interested in looking at the paper, please pass this information on. The yearly subscription is $7.00 in the USA and Canada. A sample issue can be obtained by sending 25 cents and a stamped self addressed envelope. The address is:

The HOME COMPUTER Newsletter
P.O. Box K126

E. Pepperell, MA 01437

Thanks!

Allen Leigh   ...decvax!decwrl!rhea!cache!leigh

From -8130360593395546001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13b3e09ed7addb7a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-17 08:36:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harvard.ARPA
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!harvard!chavez
From: chavez@harvard.ARPA (R. Martin Chavez)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH DISKS--WHICH TO USE?
Message-ID: <324@harvard.ARPA>
Date: Tue, 17-Jul-84 11:36:51 EDT
Article-I.D.: harvard.324
Posted: Tue Jul 17 11:36:51 1984
Date-Received: Thu, 19-Jul-84 04:15:18 EDT
References: <139@analog.UUCP>
Organization: Aiken Computation Lab, Harvard
Lines: 16

In Albuquerque NM, there are no Apple Macintosh
disks at all. If you want 3.5-inch media, you have to
buy Sony. (I ordered the Software Supplement and got a
letter saying that even Apple has run out of disks, so
that Supplement shipments are running 3-4 weeks behind
schedule.)
The Sony disks cost $50 for a box of 10, and
are available only at MicroAge. The dealer tells me that
Microsoft just placed a $1M order for the disks from
Sony, so she got smart and ordered a few thousand disks
before supplies began to run short.

R. Martin Chavez
...!decvax!genrad!wjh12!harvard!chavez

From -7253384617130628419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,731768413ff33d64,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-17 10:00:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans

From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Mac Modula2
Message-ID: <209@mhuxt.UUCP>
Date: Tue, 17-Jul-84 13:00:01 EDT
Article-I.D.: mhuxt.209
Posted: Tue Jul 17 13:00:01 1984
Date-Received: Wed, 18-Jul-84 02:49:56 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 13

<>
Modula Corporation sent out a note for Macintosh Modula-2, which is due
at the end of August. They say it will access the full toolkit, leave
80k available on the 128k Macs, and will come with some library routines.
$90 (!)

Their phone number is: 1-800-LILITH2   (JEP will love that one)

steve crandall
ihnp4!mhuxt!evans

If anyone knows particulars (any beta site people out there?) let us know.

From -340602349045734978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,474998ba7bcc0877,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-17 13:38:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!stolaf!goldman
From: goldman@stolaf.UUCP (Matthew D. Goldman)
Newsgroups: net.micro.apple
Subject: joystick info needed
Message-ID: <1777@stolaf.UUCP>
Date: Tue, 17-Jul-84 16:38:35 EDT
Article-I.D.: stolaf.1777
Posted: Tue Jul 17 16:38:35 1984
Date-Received: Wed, 18-Jul-84 03:30:38 EDT
Organization: St. Olaf College, Northfield MN
Lines: 15

Please excuse me if you have already read this, but the first article didn't show up here.

I would like information for building an apple joystick (preferably for dual joysticks). I have gone through countless magazines in search of the elusive joystick instructions, to no avail. Does anybody out there know where I can find this information?

Thanks in advance!!

Mark Holden
(not Matt Goldman who is an
innocent bystander, I'm just
using his account!)

From 3440677607176914144
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5b35d5e85724bf32,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 06:32:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 3/23/84; site cbosgd.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!cbosgd!mww
From: mww@cbosgd.UUCP (Mike Warren)
Newsgroups: net.micro.apple
Subject: Request for Hard Disk Info
Message-ID: <137@cbosgd.UUCP>
Date: Wed, 18-Jul-84 09:32:15 EDT
Article-I.D.: cbosgd.137
Posted: Wed Jul 18 09:32:15 1984
Date-Received: Fri, 20-Jul-84 04:55:06 EDT
Distribution: net
Organization: AT&T Bell Laboratories, Columbus
Lines: 13

I am an Apple II+ (64K) owner interested in purchasing a hard disk.
Can anyone in net.land suggest some choices?

Additional information/questions: (1) I have some frequently used
programs that are not Prodos compatible (e.g., ASCII Express, Pie
Writer, etc.) that I would like to put on the disk and use. Is there a
hard disk that will allow me to configure portions for DOS 3.3 and
Prodos? (2) Which hard disk offers the most bang for the buck?

Thanks in advance for the information.

Mike Warren
cbosgd!mww

From 6979034324776662303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,166bf99ec85815a8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 12:39:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!intelca!glen

From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: Pascal text ==> DOS 3.3
Message-ID: <342@intelca.UUCP>
Date: Wed, 18-Jul-84 15:39:20 EDT
Article-I.D.: intelca.342
Posted: Wed Jul 18 15:39:20 1984
Date-Received: Fri, 20-Jul-84 03:40:39 EDT
References: <1739@sri-arpa.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 8

A while back (2-4 years) Byte magazine printed programs for
Pascal text <==> DOS. Look 'em up!

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!glen"@BERKELEY
\-/   --- stay mellow

From 5523629895481687363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84a8a8c86f5128ae
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 12:43:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: Joystick info needed
Message-ID: <343@intelca.UUCP>
Date: Wed, 18-Jul-84 15:43:05 EDT
Article-I.D.: intelca.343
Posted: Wed Jul 18 15:43:05 1984
Date-Received: Fri, 20-Jul-84 03:41:02 EDT
References: <1771@stolaf.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 9

An apple][(+)(e) joystick is simply a 150K potentiometer with one
side at ground, the other at +5 and the wiper to the joystick wire
on the connector.

--
^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!glen"@BERKELEY
\-/   --- stay mellow

From -8711526961828439537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13b3e09ed7addb7a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 12:53:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!eosp1!byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH DISKS--WHICH TO USE?
Message-ID: <1015@eosp1.UUCP>
Date: Wed, 18-Jul-84 15:53:56 EDT
Article-I.D.: eosp1.1015
Posted: Wed Jul 18 15:53:56 1984
Date-Received: Thu, 19-Jul-84 03:32:01 EDT
References: <139@analog.UUCP>, <324@harvard.ARPA>
Organization: Exxon Office Systems, Princeton, NJ
Lines: 36

I spoke to one Apple dealer over the last weekend about the different
brands of diskettes. Apparently, the Apple diskettes are the same as
the Sony diskettes.

The diskettes manufactured by Memorex and Maxell are of inferior quality
(according to the dealer) They are priced at the same or higher leels
than the Sony diskettes. The reason for the difference in quality is as
follows:
     Look at the first 1/16" wide annulus on the diskette surface.
(e.g. a ring 1/16" wide in from the edge of the diskette) On the Apple
or Sony diskettes, this region is smooth. On the Memorex or Maxell
diskettes, this region is rough and kind of fuzzy.

Not a good thing to
stick in your disk drive. Apparently, the original release of Microsoft
Multiplan was released on on of the latter two diskette brands, which
had a lot of problems with disk readilibity due to poor manufacturing.
The have subsequently switched to Sony/Apple diskettes.

Anyhow that is all that I know. The Sony diskettes are about the same
price as Apple diskettes. The prices should go down eventually. And by
eventually, this is probably the same time scale as "eventually there
will be lots of Macintosh software."

Macintosh, Apple, Microsoft, and other stuff I have forgotten, are
trademarks of the usual people.....

------------------------------------<bh>-------------------------------------
In-Real-Life: Byron Han   USENET: allegra!princeton!eosp1!byron

           Exxon Office Systems BITNET: 6017040@PUCC (out of money)

500 College Road East   TS2552@OHSTVMA (I'm not there)
Princeton, NJ 08540
609-734-9200 ext. 229

From -4531926756358769763
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14eb49,133e8b347065990e,start
X-Google-Attributes: gid14eb49,public
X-Google-Thread: 1622d3,133e8b347065990e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 13:59:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro.apple,ont.micro.mac
Subject: Filevision for MAC: request for info
Message-ID: <994@dciem.UUCP>
Date: Wed, 18-Jul-84 16:59:45 EDT
Article-I.D.: dciem.994
Posted: Wed Jul 18 16:59:45 1984
Date-Received: Wed, 18-Jul-84 17:55:33 EDT
Organization: D.C.I.E.M., Toronto, Canada
Lines: 19

There was an interesting article on a spatial database system for the
Mac called Filevision, posted to fa.info-mac by a person named "John".
"John" indicated that he would answer further questions about Filevision.
Unfortunately, the header information stripped off all indications of
what part of the continent "John" comes from (or even what continent)

Filevision sounds very like a project we are working on, and I would
like to know anything about it that is public, such as who makes it
and what it can do. If "John" or anyone else on the net knows anything
about it, I would much appreciate information.

...{utcsrgv|utzoo}!dciem!mmt   Martin Taylor
(416) 635-2048   DCIEM, Box 2000
                                      Downsview, Ont
                                      Canada M3M 3B9
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -8168758697189604613
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13402be00e8d060a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 14:58:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site druxo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!druxo!afg
From: afg@druxo.UUCP (Al Gettier)
Newsgroups: net.micro.apple
Subject: Wanted: Fromhex in fromhex format
Message-ID: <648@druxo.UUCP>
Date: Wed, 18-Jul-84 17:58:58 EDT
Article-I.D.: druxo.648
Posted: Wed Jul 18 17:58:58 1984
Date-Received: Thu, 19-Jul-84 03:34:46 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 10

I am trying to get a copy of fromhex in fromhex format. I am currently
using the MacForth version recently submitted to fa.info-mac, and it
would be rather nice to use it to bootstrap up fromhex as a genuine
standalone application.
--
     Al Gettier
     AT&T Information Systems Labs
     11900 North Pecos
     Denver, CO 80234
     (303) 538-4771

From -6816647990771338
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a191a6f2fbbd05c8
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a191a6f2fbbd05c8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-18 18:57:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site resonex.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!resonex!tggsu
From: tggsu@resonex.UUCP (Tom Gulvin Root)
Newsgroups: net.micro,net.micro.apple
Subject: Re: USR PAssword problem. HELP!
Message-ID: <144@resonex.UUCP>
Date: Wed, 18-Jul-84 21:57:52 EDT
Article-I.D.: resonex.144
Posted: Wed Jul 18 21:57:52 1984
Date-Received: Fri, 20-Jul-84 03:49:09 EDT
References: <245@iwu1c.UUCP> <526@houxn.UUCP>, <658@dual.UUCP>
Organization: Resonex Inc., Sunnyvale, CA
Lines: 5

I had bad luck w/2 USR modems and called them up. After many phone transfers
and finger pointing, they said that there was a refit for noisy lines. Sent
them both in and 1 week later they were returned and were much better about
line noise.
     Tom Gulvin - Resonex, Inc.

From -7767052261576559996
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,166bf99ec85815a8
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-19 10:32:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rochester.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!rochester!emil
From: emil@rochester.UUCP (Emil Rainero)
Newsgroups: net.micro.apple
Subject: Re: Pascal text ==> DOS 3.3
Message-ID: <291@rochester.UUCP>
Date: Thu, 19-Jul-84 13:32:25 EDT
Article-I.D.: rochester.291
Posted: Thu Jul 19 13:32:25 1984
Date-Received: Sat, 21-Jul-84 03:13:36 EDT
References: <1739@sri-arpa.UUCP>, <342@intelca.UUCP>
Organization: U. of Rochester, CS Dept.
Lines: 7

I have both Pascal 1.1 => dos 3.3 (applesoft) and
dos 3.3 to Pascal 1.1. I can eithe rpost them to the net or send to
individuals. Please mail me if you need copies. If enough respond, I'll
post them to the net.

Emil Rainero

From 7504613467107423679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12cbcc,c4a61ce19072d7a3,start
X-Google-Attributes: gid12cbcc,public
X-Google-Thread: 1622d3,c4a61ce19072d7a3,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,c4a61ce19072d7a3,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-07-19 13:36:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site dadla.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!teklds!dadla!dcall
From: dcall@dadla.UUCP (Dale Call)
Newsgroups: net.micro,tek.general,net.micro.apple
Subject: 6502 CMOS 16 bit replacement
Message-ID: <79@dadla.UUCP>
Date: Thu, 19-Jul-84 16:36:19 EDT
Article-I.D.: dadla.79
Posted: Thu Jul 19 16:36:19 1984
Date-Received: Sat, 21-Jul-84 02:37:35 EDT
Organization: Tektronix, Beaverton OR

Lines: 12

I have heard various rumors about a 6502 CMOS replacement chip that
has a 16 bit mode of operation, with a 16 bit instruction set different
from the 6502. When in 6502 mode it acts like a normal 6502. Does anyone
know about this chip and whether you can plug it into existing 6502
computers (apple II)? Software??

Please mail responses to me and I'll summarzize to the net.

Thanks in advance,

Dale Call

From -5838559767009608209
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5672b823da8c707b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-19 16:27:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ames.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!ames!al
From: al@ames.UUCP (Al Globus)
Newsgroups: net.micro.apple
Subject: Mac development
Message-ID: <424@ames.UUCP>
Date: Thu, 19-Jul-84 19:27:13 EDT
Article-I.D.: ames.424
Posted: Thu Jul 19 19:27:13 1984
Date-Received: Sat, 21-Jul-84 03:16:38 EDT
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 7

We're thinking about doing some development for the Mac for the government.
What's the best way to set up a
development system? Do we need a LISA (that's what Apple says)? How
about a Mac with FORTH? Is that really practical? What are the limitations?
Finnally, as a long time C programmer, is there a way to do development in
C? Thanx in advance, and remember all you Mac developers, this is government
work, we won't compete with you.

From -3714084080246693558
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d4a87adfa0df0610,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d4a87adfa0df0610,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-19 17:11:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!ihnp4!stolaf!goldman
From: goldman@stolaf.UUCP (Mark Holden)
Newsgroups: net.micro.apple,net.micro
Subject: If you replied to the Graphics Magician request please read this
Message-ID: <1799@stolaf.UUCP>
Date: Thu, 19-Jul-84 20:11:05 EDT
Article-I.D.: stolaf.1799
Posted: Thu Jul 19 20:11:05 1984
Date-Received: Fri, 20-Jul-84 05:12:02 EDT
Organization: Fanged Software, Northfield MN via St. Olaf
Lines: 6

I hope you read this before you mail me the instructions! Please mail me again before you send them, I accidently deleted your letter so I haven't got the path to mail to you.

Mark Holden
(not Matt Goldman...)

From -2739259666370881621
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,d6b15eb6cbc66048,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 11d3c1,d6b15eb6cbc66048,start
X-Google-Attributes: gid11d3c1,public
X-Google-Thread: 14d0b9,d6b15eb6cbc66048,start
X-Google-Attributes: gid14d0b9,public
X-Google-Thread: 1622d3,d6b15eb6cbc66048,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,d6b15eb6cbc66048,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-07-20 08:28:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!rlgvax!cvl!jcw
From: jcw@cvl.UUCP
Newsgroups: net.ai,net.micro,net.micro.apple,net.micro.pc,fa.info-mac
Subject: XLISP sources posted to net.sources
Message-ID: <1193@cvl.UUCP>
Date: Fri, 20-Jul-84 11:28:06 EDT
Article-I.D.: cvl.1193
Posted: Fri Jul 20 11:28:06 1984
Date-Received: Mon, 23-Jul-84 01:40:55 EDT
Organization: U. of Md. Computer Vision Lab
Lines: 13

After dozens of requests reached me, I decided to post the sources to David Betz' XLISP interpreter. It is written entirely in C, commented uncommonly well, fairly portable, and has some rather neat features including primitives for object-oriented programming.

The program is in the public domain, Copyright by David Betz.

Jay Weber
..!seismo!rlgvax!cvl!jcw
..!seismo!rochester!jay
jay@rochester.arpa

From -3081535885347200910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,76ab61321dbc1473,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-20 10:22:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Can anyone spare a new macsbug?(window instead of tty)
Message-ID: <345@oddjob.UChicago.UUCP>
Date: Fri, 20-Jul-84 13:22:06 EDT
Article-I.D.: oddjob.345
Posted: Fri Jul 20 13:22:06 1984
Date-Received: Sat, 21-Jul-84 04:05:47 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 11

Does someone have a copy of the new apple version of macsbug
(the version that uses a window at the bottom of the screen
instead of a tty)? I can load an application that has been
uuencoded or one that is in the SUMACC tohex format.
Thanks.

Sean. ...ihnp4!oddjob!sean
University of Chicago
Department of Astronomy and Astrophysics

From -9119094159374669887
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9ae297ff294c0598
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9ae297ff294c0598
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-20 10:22:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncoast.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
cwruecmp!atvax!ncoast!greggt
From: greggt@ncoast.UUCP (Gregg Thompson)
Newsgroups: net.micro,net.micro.apple

Subject: Re: Olivetti/Docutel Inkjet Printer
Message-ID: <189@ncoast.UUCP>
Date: Fri, 20-Jul-84 13:22:32 EDT
Article-I.D.: ncoast.189
Posted: Fri Jul 20 13:22:32 1984
Date-Received: Sat, 28-Jul-84 19:36:21 EDT
References: <4082@utzoo.UUCP>
Organization: North Coast XENIX, Cleveland
Lines: 29

The Olivetti is a nice printer
but the manual is very vague on how
to do the hi-res graphics (it is very
hi-res). Infact the program that gives
the example on how to do it doesn't
even work! (well at least on the TRS-80)

After trying different things
we seemed to get somewhere but didn't
understand any of the codes and stuff.

If you want standard printing
with different sizes and features
they all work. It works great with
everything except the graphics. If
ANYONE understands how the graphics
working I would like to know. I will
share my knowledge of what have have
accomplished (we could print vertical
lines and few other things).

--
Gregg Thompson

{ucbvax}!decvax!cwruecmp!ncoast!greggt
{ucbvax}!decvax!cbosgd!aat!m-net!greggt
{ucbvax}!decvax!microsoft!trsvax!sneaky!greggt
{decvax}!ucbvax!dual!proper!greggt

From 6984693167909090294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52f5dc501a243f93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-21 13:28:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!hao!seismo!cmcl2!lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple][c/][e/][+/][(-) compatibility

Message-ID: <1029@unm-cvax.UUCP>
Date: Sat, 21-Jul-84 16:28:26 EDT
Article-I.D.: unm-cvax.1029
Posted: Sat Jul 21 16:28:26 1984
Date-Received: Mon, 23-Jul-84 02:12:42 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 31

[adding lines is fun....I do it in papers a lot!]

I have been using the apple since it first came out (my first apple was 16k)
and every version is 95%(BIG 5%) compatible with the previous version.

I would just like to say that I am very disappointed with the][c and
 its compatiblity with the][e. I learned how to break games one summer
 just for the fun of it and now I am breaking all my games just to get them
 up and running on the][c. One game (the hardest game to copy I have ever
 seen(can't copy it)) come up real easy and another which is copied with
 a COPYA needs to be Flashcarded before it comes up. I have been told that
 the hard protection systems blow it but.......

Has anybody every had problems like this with the][c?

Also, anybody ever seen the inside of Ultima I? I managed to catalog
 the player master while trying to bring it up on a][c.

Send me mail... I LOVE mail.

          Josh Siegel

 {convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

P.S. I don't copy things without paying for them. I do it just to back
 things up(and to cheat on them). Its just a point to note that everything is
 copyable except Flight Simulator][(can't copy it) and the copy programs
 used to copy programs.

From 5228680436627178109
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125017,587e7c7564bde23a,start
X-Google-Attributes: gid125017,public
X-Google-Thread: 1622d3,587e7c7564bde23a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-21 14:31:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple,net.graphics
Subject: 4014 emulator
Message-ID: <348@oddjob.UChicago.UUCP>

Date: Sat, 21-Jul-84 17:31:58 EDT
Article-I.D.: oddjob.348
Posted: Sat Jul 21 17:31:58 1984
Date-Received: Sun, 22-Jul-84 03:43:10 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 42

<asdf>

The following is a description of the MacIntosh graphics
4014 emulator from Mesa Graphics

Emulators: tek4014
Compatible with: tek4010,4012,4016
Screen:
    res: 512x342
    patterns
    for
    colors: 8
    Character
    sizes: 5
COMM:
    baud: 110,300,1200,2400,4800,9600
    parity: none,odd,even
    handshake: xon,xoff
    duplex: half or full
    i/o hardware: internal
Graphics
Input: mouse

Plotters: Apple Color Plotter, HP-7470 & 7475, Houston DMP29
        & 40, Strobe 200 & 260
    res: 4096x3189

AVAILBLE: 8/84
PRICE: $250

For further infomation contact mesa graphics, P.O Box 506
Los Alamos, NM 87544

Is anyone out there a beta test site for this stuff??
If so, drop me line via Email.
(The above info is from a specification flyer I received
in the postal mail.)

Sean Casey || University of Chicago
...!ihnp4!oddjob!sean || Dept of Astronomy and Astrophysics

From 7350174050680376960
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 125dc4,f2ccddd595d8ef0c,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,f2ccddd595d8ef0c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-22 13:29:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!decwrl!dec-rhea!
dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple,net.games
Subject: Help with Crystal Caverns wanted
Message-ID: <2767@decwrl.UUCP>
Date: Sun, 22-Jul-84 16:29:34 EDT
Article-I.D.: decwrl.2767
Posted: Sun Jul 22 16:29:34 1984
Date-Received: Fri, 27-Jul-84 09:19:46 EDT
Sender: daemon@decwrl.UUCP
Organization: DEC Engineering Network
Lines: 17

Being plagued with a wife who has reached the end of her rope, I'm
posting this question to the net.

In the Hayden Software text adventure game "Crystal Caverns" she has
amassed 405 points and earned the rating of "guide". She has a map to
the maze but cannot find the maze or a power pack for the lamp, and
cannot deal with the iron panel.

Any help will be appreciated.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax... }!decwrl!dec-rhea!dec-dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Sunday 22nd July 1984, 16:36 EDT by DOSADI::BINDER

From 228890520377442809
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,66f8ca941dc122f2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-23 10:57:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcsstat!bwp
From: bwp@utcsstat.UUCP (Bruce Pinn)
Newsgroups: net.micro.apple
Subject: MacTalk Documents
Message-ID: <2009@utcsstat.UUCP>
Date: Mon, 23-Jul-84 13:57:00 EDT

Article-I.D.: utcsstat.2009
Posted: Mon Jul 23 13:57:00 1984
Date-Received: Mon, 23-Jul-84 14:13:06 EDT
Organization: U. of Toronto, Canada
Lines: 5

Does anyone know the format of MacTalk's speech documents (ie. translation
of character strings to phonemes, file header information, etc)?
Please reply by mail, or net.
Thanks
Bruce Pinn (University of Toronto)

From 5192337735709829658
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a36c279ffcee8fa7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-23 17:21:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!dual!amd!decwrl!decvax!
mcnc!ecsvax!nlil
From: nlil@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: MacCoach Info.
Message-ID: <2982@ecsvax.UUCP>
Date: Mon, 23-Jul-84 20:21:03 EDT
Article-I.D.: ecsvax.2982
Posted: Mon Jul 23 20:21:03 1984
Date-Received: Sat, 28-Jul-84 08:49:18 EDT
Lines: 54

[]

I have just had an opportunity to evaluate a self teaching program for the Mac offered by American Training International called MacCoach. The package consists of two disks and a 10 page manual. With these materials and a Mac, the student can learn the basics of operating a Mac in a matter of a couple of hours. The system uses grahics of actual desktop situations along with overlaying windows containing instructional text. The student is required to do something (usually click a "dog ear") to move on to the next window. Some of the text windows require the student to demonstrate that the concept has been mastered, by doing whatever it is that is being presented. Each of the 12 sections ends with a summary and a review of the material that has been presented. Sections include the following:

- How To use (MacCoach)
- Get Ready
- Your System
- Your Keyboard
- Use Icons
- Use Windows
- Save Your Work
- Manage Documents

    Manage Disks
    Print a Document
    Applications Software
    Conclude Your Work

The system also includes MacCoach Help. This is a collection of Scrapbook pages that can be moved from the MacCoach disk to any of the users disks. Then the user can use the Scrapbook at any time to review techniques. This is a good idea, if you can spare the disk space (20K.)

All things considered, it could be a useful package for the first-time user who doesn't have access to an experienced user. The same intro. type material could be conveyed by an experienced user in the same amount of time or less. The package costs $75 from ATI. This seems like a lot of money for an individual to spend on something that will probably be used only once or twice. On the other hand, in an environment where several people could use the package, it might be worth the price.

    MacCoach
    American Training International
    12638 Beatrice St.
    Los Angeles, Ca. 90066

    (800) 421-4827 outside Ca.
    (213) 823-1129 inside Ca.

Larry Robinson
NCSU Computing Center User Services
(919) 737-2517
{decvax,akgua}!mcnc!ecsvax!nlil

From -6617834351852664349
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,13b3e09ed7addb7a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-07-23 23:18:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!cornell!uw-beaver!
uw-june!furuta
From: furuta@uw-june (Richard Furuta)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH DISKS--WHICH TO USE?
Message-ID: <1720@uw-june>
Date: Tue, 24-Jul-84 02:18:07 EDT
Article-I.D.: uw-june.1720
Posted: Tue Jul 24 02:18:07 1984
Date-Received: Thu, 19-Jul-84 04:20:57 EDT
References: <139@analog.UUCP>
Organization: U. Washington, Computer Sci

Lines: 6

These disk prices sound amazingly inflated (except for the HP disks). Here,
the quoted prices are $49/10 for Memorex and $59/10 for Hewlett-Packard.
The local Byte shop is marking their Apple disks at $50/10 which seems to
correspond to the prices charged by a number of other local outlets.

                        --Rick

From -717242005373478992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,bff6d0d8bb0e9357
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,bff6d0d8bb0e9357
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-09 22:24:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!houxe!hogpc!houti!ariel!vax135!
floyd!cmcl2!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.UUCP
Newsgroups: net.micro.apple,net.micro.cbm
Subject: Re: more on compilers for the 6502
Message-ID: <3183@brl-vgr.ARPA>
Date: Sun, 10-Jun-84 01:24:12 EDT
Article-I.D.: brl-vgr.3183
Posted: Sun Jun 10 01:24:12 1984
Date-Received: Mon, 11-Jun-84 00:35:29 EDT
References: <948@unm-cvax.UUCP>
Organization: Ballistics Research Lab
Lines: 2

Since I have (and use) a C compiler on my Apple, I am glad to hear
that you have decided that it is possible.

From -5165921955518497074
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,43030beb82d1a4ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-10 22:26:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!rlgvax!cvl!umcp-cs!zben
From: zben@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Bell char in VTP on Apple][
Message-ID: <7451@umcp-cs.UUCP>
Date: Mon, 11-Jun-84 01:26:38 EDT
Article-I.D.: umcp-cs.7451
Posted: Mon Jun 11 01:26:38 1984

Date-Received: Tue, 12-Jun-84 00:34:39 EDT
Distribution: net
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 41

Seems to me one could do the speaker tweaking without slowing down the
VTP (virtual terminal program) in the following way:

When a bell char comes in, put a selected non-zero value in a global
cell. The value determines the bell length.

In the "main loop" of the program, typically:

```
   DO FOREVER
      IF <anything in serial line uart receiver> THEN
         <Display one character on screen (or function, or whatever)>
      IF <anything in keyboard input port> THEN
         <Send char to serial line, maybe echo>
   ENDDO
```

put in a test that, if the global cell is nonzero, "touch" the speaker
toggle and decrement the global cell. Eventually the cell will be
decremented to zero again, and the bell will stop.

If another bell comes in during this interval, one can stuff the constant
into the cell again, and get a slightly longer bell.

If the main loop is very short you might only want to do this every
"N"-th time through the loop. You also might want to uncouple the
time constants for the "touch" and the decrement, for example, touch
the speaker every 10 times through but only decrement every thousand
times through.

Extending this scheme to have several bells of different duration and
frequency are left as exercises to the student... :-)

The problem with linefeeds is much harder since you have to decide what
to do if you get a linefeed during a scrolling operation. At the worst
case (scrolling a screen all the way with linefeeds) you could actually
clear the screen and be done with it! Seems to this humble hacker that
there should be a data structure in which you could modify the information
on the fly (between row-moves) and restart the algorithm. Something like
"gosh, we have 3 linefeeds at this point, so this row needs to go *here*".
I haven't really thought about it that much...
--
Ben Cranston   ...seismo!umcp-cs!zben   zben@umd2.ARPA

From -6599381816903091379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a995bae96f365c9c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-10 23:29:49 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!sri-unix!JOSEPH@RU-BLUE.ARPA
From: JOSEPH@RU-BLUE.ARPA
Newsgroups: net.micro.apple
Subject: Re: tank command
Message-ID: <796@sri-arpa.UUCP>
Date: Mon, 11-Jun-84 02:29:49 EDT
Article-I.D.: sri-arpa.796
Posted: Mon Jun 11 02:29:49 1984
Date-Received: Thu, 14-Jun-84 23:48:42 EDT
Lines: 44

From: Seymour <JOSEPH@RU-BLUE.ARPA>

Craig,

Might the game you spoke of be called "COMMBAT"? I have a game called COMMBAT from Adventure International that I bought several years ago. I have an Apple //. I have had one for 4-5 years now. When COMMBAT was first released, it was available only for the TRS-80 model one and three. I bought it anyway. It was the first multi-player, multi-computer game I had ever seen for personal computers. I wanted to read the instructions and possibly write an Apple version of it that I, of course, never got the time to do.

Adventure International made me proud to be an owner when about a year after I bought the game, they released Apple and Atari versions of it. They have an unusual way of selling it. It is, after all an unusal product. When you buy COMMBAT, you get all the current versions for all the computers it is available for. I called AI and told them that I had purchased the cassette version of COMMBAT for the TRS-80 about a year earlier. They said "No problem, send it in and we will update it free." The update I received contained the Atari Cassette and Disk versions, TRS-80 Model one and three cassette and disk versions and the Apple // disk version.

COMMBAT is a real-time, hidden-movement, two computer, two player tactical war game. The premise of the game is that sometime in the future, warring societies put equal combat forces inside a fenced off area with equal armaments and defenses and allow them to battle it out to decide the victor. Each player in the game manages the resources of his base and tries to find and destroy his opponent. Games over modems can take several hours. I have found games between two locally connected personal computers (at 9600 baud) to be the most fun. These games can take less than 20 minutes to play and are fast and furious. The game is easy enough to get playing after one read of the manual, but complex enough so that you are always finding new techniques and statagies to try. There are no graphics, and the display itself is not impressive at all but, the game design is very good and I find it extremely playable. If this is the game you spoke of, a call to Adventure International should get you current pricing. If you have several game oriented freinds with modems, It would definitely be

worth it.

Seymour

From -1477989982023033612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6cad7e907002a79d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 07:17:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site astrovax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!astrovax!elt
From: elt@astrovax.UUCP (Ed Turner)
Newsgroups: net.micro.apple
Subject: Apple 2e Termcap Needed
Message-ID: <373@astrovax.UUCP>
Date: Mon, 11-Jun-84 10:17:24 EDT
Article-I.D.: astrovax.373
Posted: Mon Jun 11 10:17:24 1984
Date-Received: Tue, 12-Jun-84 00:41:19 EDT
Organization: Princeton Univ. Astrophysics
Lines: 9

I need termcap info for the 2e (using a Hayes Micromodem II). I know this has
been discused at least once before in this group but, at that time, I had no
reason to be interested and did not read the relevant articles. Could someone
help me out, by mail perhaps?

Thanks in advance,

Ed Turner
astrovax!elt

From -3254480975507480564
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8da81fd806c86fbc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 08:14:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccsu3!loral!hlb
From: hlb@loral.UUCP (Howard Brandell)
Newsgroups: net.micro.apple
Subject: Apple][e 80 col crd slow speed
Message-ID: <183@loral.UUCP>
Date: Mon, 11-Jun-84 11:14:34 EDT
Article-I.D.: loral.183
Posted: Mon Jun 11 11:14:34 1984
Date-Received: Wed, 13-Jun-84 02:32:16 EDT

Organization: Loral Instruments, San Diego
Lines: 15

Those users who need the speed in scrolling should
consider using on of the 80 column cards designed for
the Apple][+.
The slow scrooling is particularly bothersome when using a
spreadsheet so I got a Micromax 80 column card that fits
in slot 3. Of course you cannot use the
Apple
card in the Auxiliary slot at the same time. Also using
one of these cards will not allow you to use double wide
lo res or double hi res(with the extended cards only), nor
will it permit 80 columns on an rgb monitor because of the video
not being on the motherboard where an rgb card looks for it.
Consider your application. Perhaps its a worthwhile investment for you.

From 6590511932367507298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d6f3178b9c1a2714,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 08:22:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!sri-unix!ABN.ISCAMS@usc-isid.ARPA
From: ABN.ISCAMS@usc-isid.ARPA
Newsgroups: net.micro.apple
Subject: Franklin ACE 1200
Message-ID: <780@sri-arpa.UUCP>
Date: Mon, 11-Jun-84 11:22:00 EDT
Article-I.D.: sri-arpa.780
Posted: Mon Jun 11 11:22:00 1984
Date-Received: Thu, 14-Jun-84 07:17:41 EDT
Lines: 24

Friends,

I'm trying to bring MDM730 up on a Franklin ACE 1200 in the CP/M mode.
Unfortunately the Franklin-provided literature is not very complete.
In discussing the serial interface card, it describes several calls
you can make to get a character from the serial port or send a character
to the port ... but that is NOT enough for practical purposes!

I need the actual memory address of the send and receive port (should
be the same), and more important - the masking values that I use to
determine if (1) a character has been received, and (2) if the send
buffer is clear and ready to receive a character for a send.

I have values for various Apple serial cards, but ALL are just a wee bit
different - don't really want to try trial and error: so inelegant!

Once I get this rascal up, I'll post the MDM7nn overlay on INFO-CPM
and INFO-MODEM7 (I think), and will let you all know too if interested.

Regards,
David Kirschbaum
Toad Hall
ABN.ISCAMS@USC-ISID
ps: I don't own a Franklin, just helping a buddy.

From -6209896752042799586
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3668dedd440882fa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 14:21:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucuxc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!
rcook
From: rcook@uiucuxc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Floppy Disks - (nf)
Message-ID: <23600009@uiucuxc.UUCP>
Date: Mon, 11-Jun-84 17:21:00 EDT
Article-I.D.: uiucuxc.23600009
Posted: Mon Jun 11 17:21:00 1984
Date-Received: Wed, 13-Jun-84 00:22:14 EDT
References: <547@ihuxj.UUCP>
Lines: 10
Nf-ID: #R:ihuxj:-54700:uiucuxc:23600009:000:191
Nf-From: uiucuxc!rcook   Jun 11 16:21:00 1984

#R:ihuxj:-54700:uiucuxc:23600009:000:191
uiucuxc!rcook   Jun 11 16:21:00 1984

I am interested in buying about 20 good disks. Would you like a personal
check or what? Reply to this or send mail to how you want to handle
this.
Rob Cook
2107 Rebecca
Champaign,IL
61821

From 6574983153920289850
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eb68bbccc390d7d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 15:09:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!sdcrdcf!sdcsvax!alex

From: alex@sdcsvax.UUCP (Alex Pournelle)
Newsgroups: net.micro.apple
Subject: Macmemory
Message-ID: <890@sdcsvax.UUCP>
Date: Mon, 11-Jun-84 18:09:54 EDT
Article-I.D.: sdcsvax.890
Posted: Mon Jun 11 18:09:54 1984
Date-Received: Wed, 13-Jun-84 02:36:14 EDT
Organization: U.C. San Diego; freelance writer
Lines: 5

Has anyone out there actually hot-rodded his Macintosh to 512K? We're
about to, soon as we find out for sure which jumper to switch. Any data
on that would be appreciated.

Alex

From 4878936677499516392
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,afbc06cf3d434065,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-11 23:35:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!sri-unix!jbyrd@BBN-VAX.ARPA
From: jbyrd@BBN-VAX.ARPA
Newsgroups: net.micro.apple
Subject: Apple Access
Message-ID: <788@sri-arpa.UUCP>
Date: Tue, 12-Jun-84 02:35:20 EDT
Article-I.D.: sri-arpa.788
Posted: Tue Jun 12 02:35:20 1984
Date-Received: Thu, 14-Jun-84 23:45:50 EDT
Lines: 19

From: James Byrd <jbyrd@BBN-VAX.ARPA>

Someone a few days back (I don't remember who) pointed out that Apple has
come out with Apple Access, a terminal program that claims to have vt100
compatibility as one of its options.

The vt100 compatibility claim isn't true. For one thing, the manual only
claims that it implements "most" of the vt100 features, whatever that means.
To see it fail pretty badly, try this: dial up to a computer that has an
emacs editor, call emacs on some file, split the screen, and use "escape z"
in the lower window a few times. As soon as the text starts to scroll down,
the display falls apart. Other examples are easy to find.

The package would be a LOT more more useful if Apple had actually
implemented the vt100 commands. As it is, I'm not sure what it's emulating.
It seems only marginally useful for trying to use a screen editor which
thinks it is on a vt100.

Jim Byrd

From 8498111028726836213
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e5d7db579f7cee6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 05:24:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!sri-unix!crivello@BBNCCC.ARPA
From: crivello@BBNCCC.ARPA
Newsgroups: net.micro.apple
Subject: apple fortran HELP!!!!!
Message-ID: <797@sri-arpa.UUCP>
Date: Tue, 12-Jun-84 08:24:22 EDT
Article-I.D.: sri-arpa.797
Posted: Tue Jun 12 08:24:22 1984
Date-Received: Thu, 14-Jun-84 23:49:08 EDT
Lines: 6

From: Manny Crivello <crivello@BBNCCC.ARPA>

I have not heard from anybody. I need a copy of the system.library
from apple fortran. My copy has been wipe out. There must be someone that can
help me.
   M.D.Crivello

From 8227059568758644372
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c4c5b7569d763b70,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 08:54:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-
I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Scrolling problems (//e ROM listings available)
Message-ID: <312@pucc-i>
Date: Tue, 12-Jun-84 11:54:17 EDT
Article-I.D.: pucc-i.312
Posted: Tue Jun 12 11:54:17 1984
Date-Received: Wed, 13-Jun-84 23:47:57 EDT
Organization: Purdue University Computing Center
Lines: 23

The //e ROM listings are in a 54-page supplement to the Apple //e Reference
Manual. The supplement includes the new 80-column firmware and support
routines (Cxxx space), plus the //e version of the F8 ROM (but not Applesoft

BASIC).

The Reference Manual itself costs about $50 and contains about 260 well-written pages of useful information about the machine, the 80-column cards, the bank switching, the soft switches, peripheral card conventions and the interrupt system.

The ROM listings are complete with comments and (in the case of the F8 ROM) conditional assembly directives to show the differences between the //e and II+ versions. The 80-column firmware has separate driver routines for Pascal and for Apple DOS, which share common subroutines.

One of the many things you can learn from studying the listings is that interrupts are disabled part of the time during scrolling (long enough to cause problems at 1200 baud). In another article I'll describe how I got around this problem, and a possible alternate approach.
--

Dave Seaman   "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From 2839012869240529900
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,63dd0b47baa2340,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 09:22:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!harpo!
decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Mac speed problems
Message-ID: <2716@ecsvax.UUCP>
Date: Tue, 12-Jun-84 12:22:16 EDT
Article-I.D.: ecsvax.2716
Posted: Tue Jun 12 12:22:16 1984
Date-Received: Wed, 13-Jun-84 06:53:57 EDT
References: uicsl.5800001
Lines: 30

>From: keller@uicsl.UUCP Wed Jun 6 15:54:00 1984
>I spent about 3 hours working with a Mac and cannot see any justification
>for characterizing it as slow.
>All screen operations are very fast and the inherent CPU power is far
>above IBM 8088 based systems. I use a XEROX Dandelion at work and can
>say that as a mouse/window based system the Mac is superb.

I agree that the Mac is a supperb machine in many ways, and in fact represents an improvement over the Xerox technology (for example, in marking text to be moved, which involved holding down the button and moving the mouse on the Mac but two mouse button clicks on two

different buttons on the Xerox).

However, screen speed isn't everything. For reasons I cannot fathom, the Mac shares with the Lisa a serious speed problem in switching applications. If one of the ideas behind the Mac is being able to integrate applications, it seems very limiting that one cannot quickly move from one to another.

The Mac will someday be a great machine, I hope. Right now I consider it an impressive prototype with limited uses (overhead transparency production is a very good application).

By the way, what word processing program is your friend using?

D Gary Grady
Duke University Computation Center, Durham, NC 27706
(919) 684-4146
USENET: {decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From -7766457340004394651
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,ccc3990504c1a195,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,ccc3990504c1a195,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 09:49:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!david1
From: david1@aluxe.UUCP (nelson)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Adventure Game Wanted
Message-ID: <183@aluxe.UUCP>
Date: Tue, 12-Jun-84 12:49:05 EDT
Article-I.D.: aluxe.183
Posted: Tue Jun 12 12:49:05 1984
Date-Received: Wed, 13-Jun-84 01:03:34 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 3

I want to buy a graphics adventure game for my Atari 800 (48K with 1050 disk drive). What are some of the better ones? I'd like to know by Father's Day. Thanks in advance.

From -3702988488535208473
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7cb36ad8f8f85ad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 09:50:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!harpo!

decvax!mcnc!ecsvax!bet
From: bet@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple disk speed -- more info
Message-ID: <2717@ecsvax.UUCP>
Date: Tue, 12-Jun-84 12:50:44 EDT
Article-I.D.: ecsvax.2717
Posted: Tue Jun 12 12:50:44 1984
Date-Received: Wed, 13-Jun-84 06:54:25 EDT
Lines: 23

I recently posted a note asking if there is something intrinsic to the Apple disk recording scheme which make it slow, or whether it is simply coincidental that Apple DOS and the Macintosh's system software share brain-damage that slows down the disk access.

Ross Alford (alford@ecsvax) responded describing a program he had written in TURBO-PASCAL for the Apple under CPM that read a ~40K file in ~10 seconds. It then took ~20 seconds of computing. He mailed me that program, and I ran it under TURBO-PASCAL on PC-DOS 2.10 (with the disk parameter table patch). It took ~20 seconds to read a ~50K file, and another 10 seconds to compute.

It looks like

a) Apple drives are not intrinsically slow
b) insofar as Apple disk access is slow it is the fault of the Apple operating system
c) The IBM-PC is half as fast (assuming that TURBO-PASCAL makes a good benchmark comparison, and that DOS 2.10 isn't inflicting too much overhead on disk I/O)
d) In one (possibly typical) application the IBM-PC seems to compute approximately twice as fast.

Bennett Todd
...{decvax,ihnp4,akgua}!mcnc!ecsvax!bet

From 8810933336485418002
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ccc3990504c1a195
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1517c1,ccc3990504c1a195
X-Google-Attributes: gid1517c1,public
X-Google-ArrivalTime: 1984-06-12 12:25:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxj.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxj!freak
From: freak@ihuxj.UUCP (C. E. Malloy, III)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Re: Adventure Game Wanted
Message-ID: <549@ihuxj.UUCP>
Date: Tue, 12-Jun-84 15:25:32 EDT
Article-I.D.: ihuxj.549
Posted: Tue Jun 12 15:25:32 1984

Date-Received: Wed, 13-Jun-84 01:21:20 EDT
References: <183@aluxe.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 9

There are no "good" graphic adventure games for the Atari computer. All
of the good adventures are text only and they are all from Infocom. I do
own about 8 graphic adventure games from Serria, Scott Adams, etc., but
they don't hold a candle to the "real" adventure that comes on a disk
from Infocom.

The above is the opinion of the author, and is correct.

Clancy Malloy (ihuxj!freak)

From 2658116667027926716
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4edc30c0b06816ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-12 14:57:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!linus!decvax!harpo!floyd!cmcl2!seismo!hao!hplabs!hpda!fortune!amd70!
dual!proper!gsa
From: gsa@proper.UUCP (George Acton)
Newsgroups: net.micro.apple
Subject: Go for Mac
Message-ID: <1347@proper.UUCP>
Date: Tue, 12-Jun-84 17:57:54 EDT
Article-I.D.: proper.1347
Posted: Tue Jun 12 17:57:54 1984
Date-Received: Sat, 16-Jun-84 00:42:23 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 2

There is an implementation of the game of go for the Mac,
posted to net.games.ga.

From 440822613955332547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ead545012e4542bc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 07:48:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-
I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Speed of Apple Drives
Message-ID: <313@pucc-i>

Date: Wed, 13-Jun-84 10:48:59 EDT
Article-I.D.: pucc-i.313
Posted: Wed Jun 13 10:48:59 1984
Date-Received: Fri, 15-Jun-84 00:22:41 EDT
Organization: Purdue University Computing Center
Lines: 7

Don't make any assumptions about the speed of the drives on an Apple II
unless you have used Apple Pascal. It is a MUCH faster disk operating
system than (*choke*) Apple DOS. It is also faster than CP/M.
--

Dave Seaman   "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From 8634317705949468486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,20eae4dd9231fcd6,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12eaa7,20eae4dd9231fcd6,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 12c65a,20eae4dd9231fcd6,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,20eae4dd9231fcd6,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,20eae4dd9231fcd6,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-06-13 09:51:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxj.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!ihuxj!freak
From: freak@ihuxj.UUCP (C. E. Malloy, III)
Newsgroups:
net.micro.apple,net.micro.atari,net.micro.pc,net.micro.cbm,net.micro.trs-80
Subject: RE: Floppies
Message-ID: <555@ihuxj.UUCP>
Date: Wed, 13-Jun-84 12:51:42 EDT
Article-I.D.: ihuxj.555
Posted: Wed Jun 13 12:51:42 1984
Date-Received: Thu, 14-Jun-84 00:29:34 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 4

All of the disks that I had have been spoken for. (They are all gone).
Thanks for the response.

Clancy (ihuxj!freak)

From -7434564115822261306
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,beeaec897c8dc97e,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 09:57:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!whuxle!spuxll!
abnjh!nova
From: nova@abnjh.UUCP (Scott D. Allen)
Newsgroups: net.micro.apple
Subject: Free subscriptions to ST.Mac
Message-ID: <679@abnjh.UUCP>
Date: Wed, 13-Jun-84 12:57:05 EDT
Article-I.D.: abnjh.679
Posted: Wed Jun 13 12:57:05 1984
Date-Received: Thu, 14-Jun-84 01:18:37 EDT
Organization: AT&T Information Systems
Lines: 37

<ERROR CODE: no error>

Today I picked up an issue of ST. MAC (I'm still waiting for the third issue of MACWORLD). This magazine is better than any previous reviews of it posted on the net. It was professionally done and while the articles did not go into all the detail I would have liked, the variety of articles in a single issue was nice.

Here's the good part; ST. MAC is giving complimentary subscriptions to Mac and Lisa owners. Here is a quote from the magazine's credit box:

FREE SUBSCRIPTIONS: Complimentary trial subscription to all owners of Lisa and Macintosh computers in the U.S. and Canada. If you own a Lisa or Macintosh, send your name, address, and serial number of your machine to ST.Mac Circulation, Box 7041, North Hollywood, CA 91605. Please allow six to eight weeks for processing. ST.Mac is totally independent of Apple Computer, Inc.

Whether you like the magazine or not, you can't beat the price of this offer.

I am not connected in any way with ST.Mac magazine.

Scotty

Scott Allen
ATT-IS
Orlando, Florida

..!abnjh!ncoss

From 3362421458967513566
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,54525b68f7c8123a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 10:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!houxe!hogpc!houti!ariel!vax135!
floyd!cmcl2!seismo!hao!hplabs!sri-unix!Thomka.es@XEROX.ARPA
From: Thomka.es@XEROX.ARPA@sri-unix.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Keyboards
Message-ID: <835@sri-arpa.UUCP>
Date: Wed, 13-Jun-84 13:51:00 EDT
Article-I.D.: sri-arpa.835
Posted: Wed Jun 13 13:51:00 1984
Date-Received: Fri, 15-Jun-84 02:14:05 EDT
Lines: 80

There are lots of ways to give yourself a REAL FULL keyboard, on your
Apple.

One way is to connect any cheap fully encoded ASCII keyboard to your
present 16pin socket (A7) on the Apple motherboard. You will have to be
sure that there is a keyboard stobe (positive pulse) at pin 2 for each
key press. Just hook up the proper TTL lines to the proper pins. Check
out the Apple reference manual
     The problem is you may end up not having a RESET key, then, and
     the left and right arrows may not be correct (you could use ctrl-H for
     left arrow, and ctrl-U for the right arrow).

Another way is: to buy an aftermarket Apple-type fully encoded ASCII
keyboard. These can be found in price ranges between $75 and $400.
There are some fairly decent ones for about $150. Almost always these
keyboards give you some real nice features too.

Another way is: to buy a new encoder board (assumming that you have one
of the later 2-piece keyboards). Replace that old encoder board, which
hangs under the keyboard and above the motherboard, with a better one
made by Videx. That gives you full ASCII keyboard, plus some real nice
things, like macros and automatic repeats.

Or you can modify your present encoder board (assumming that you have
one of the later 2-piece keyboards). There is already a cheap way to
add one DPDT switch to it and get an UPPER/lowercase keyboard with the
shift key really working. Look at the board and you'll see a place to
add a switch, after you cut some etches that are already there. There
are still about 10 keys you won't be able to enter (like {}|\ etc.) but
you'll be real close and you can't beat the price.

A problem you'll have with all of those solutions will show up when you try to enter lowercase characters in Apple DOS or AppleSoft. There is a small bit of code, in the monitor, called CAPTST, that converts any lowercase characters to UPPERcase. Here you can either buy or make your own modified monitor or simply load the Applesoft and monitor into your 16K card and change location $FD83 to $FF (unmodified $FD83 is $DF). Doing this you can then enter lowercase in Apple DOS or AppleSoft. By the way, most word processors and applications packages requiring lowercase, CP/m is another, do not use the Apple monitor, thus there is no problem caused by the $FD83 being $DF. I say that because you usually don't need to modify your monitor since those applications packages can read your UPPER/lowercase keyboard directly, they don't care what kind of monitor (whether or not it converts lower to UPPERcase) you have.

Another problem you will have in regular Apple 40 column mode is that you will not be able to see lowercase characters unless you have a lowercase display chip. Such as a Dan Paymar or, as I recommend, the Lazer Lowercase Plus board.

What will you see if you don't have lowercase?   abcdef looks like
!"#$%&

Without having a lowercase keyboard how can you see if you have a lowercase display chip? Enter this simple one line:
```
PRINT CHR$(100)
```

If a lowercase "d" prints, you have a lowercase display chip. If a "$" prints, then you don't have a lowercase display chip.

A more extensive test would be to print all the displayable (non-control) ASCII characters. Enter this program:
```
10 FOR A = 33 TO 127
20 PRINT CHR$(A);
30 NEXT
```

RUN
You should see is all the characters;
starting at the special characters !"# and numbers etc.,
through the UPPERcase ABC's etc.,
next getting the special characters [\ ] ^ and underline,
and finally going into the lowercase abc's,
ending with the last special characters { | } ~ and RUB.

```
!"#$%&'()*+,-./0123456789:;<=>?
@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

Chuck

From 2291660337105995365
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 129c11,c1b93b03c11b2fca
X-Google-Attributes: gid129c11,public
X-Google-Thread: 125dc4,c1b93b03c11b2fca
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,179744b1562c2625,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 17:37:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccsu3.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!houxm!houxz!vax135!floyd!harpo!decvax!
ittvax!dcdwest!sdcsvax!sdccsu3!ee171bbr
From: ee171bbr@sdccsu3.UUCP
Newsgroups: net.games,net.micro,net.micro.apple
Subject: Re: Adventure type games
Message-ID: <1927@sdccsu3.UUCP>
Date: Wed, 13-Jun-84 20:37:07 EDT
Article-I.D.: sdccsu3.1927
Posted: Wed Jun 13 20:37:07 1984
Date-Received: Fri, 15-Jun-84 01:37:15 EDT
References: mit-eddi.2088, <2709@ecsvax.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 8

Well, I am going to assume that all new adventures for the apple, will
soon be available for the pc, and the rest... Infocom is decent, but
it doesn't have graphics! And so I would have to say they are not worth
the money. They have a new adventure called Seastalker that is better
than the Zork series, but not much, basically the same old stuff.
     There are a couple of new graphic adventures out for the apple,
Expedition Amazon for one, Secret of Easter Island for another...Not
on the market yet...but soon.

From 8619064081916559352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df5dd3e944959e09,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 19:43:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!mcnc!akgua!sdcsvax!sdcrdcf!hplabs!
sri-unix!jbyrd@BBN-VAX.ARPA
From: jbyrd@BBN-VAX.ARPA
Newsgroups: net.micro.apple
Subject: a bizarre bug
Message-ID: <849@sri-arpa.UUCP>
Date: Wed, 13-Jun-84 22:43:01 EDT
Article-I.D.: sri-arpa.849
Posted: Wed Jun 13 22:43:01 1984
Date-Received: Tue, 19-Jun-84 01:22:08 EDT
Lines: 24

From: James Byrd <jbyrd@BBN-VAX.ARPA>

I've run into a weird problem, and I'm not sure where to begin on solving it. I have a IIe revision B, and a Microsoft Premium Softcard IIe (80-column 64K CP/M), Super Serial Card, and Duodisk controller.

I have a copy of Apple Access (a ProDos-based disk), and I've run into a strange problem I've never seen before. When the disk is booted, it normally shows one text screen (all in 80 columns), then a second one, and finally gets into the program. What often happens instead is that I get the first screen normally, but then I get garbage overlaid on top of the second screen. One fourth of the character position have garbage characters, in a regular array (every other position on every other row). Not only that, I get a sequence of a musical note(??!) repeated a few times.

If I just try rebooting or power-cycling, I tend to get the problem again. One thing that often works is to run self-test (control-closed-apple-reset), and then boot.

I've never had any problem with my Microsoft card on any other disk, but I'm tending to suspect the card. Can anybody give my any ideas as to what to do to solve this one? I'm stumped.

Jim Byrd

From 3513038751669175834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eb68bbccc390d7d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-13 21:15:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aesat.UUCP
Path: utzoo!aesat!jalsop
From: jalsop@aesat.UUCP (John Alsop)
Newsgroups: net.micro.apple
Subject: Re: Macmemory
Message-ID: <166@aesat.UUCP>
Date: Thu, 14-Jun-84 00:15:42 EDT
Article-I.D.: aesat.166
Posted: Thu Jun 14 00:15:42 1984
Date-Received: Thu, 14-Jun-84 05:20:19 EDT
References: <890@sdcsvax.UUCP>
Organization: AES Data Inc., Mississauga Ont., Canada
Lines: 6

I was told last week by local Apple marketing rep. that increasing from 128K to 512K requires a new PAL, as well as memory chips.

Can anyone comment on this?

From -6403346726376137868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d7cb36ad8f8f85ad

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-14 05:58:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: Re: Apple disk speed -- more info
Message-ID: <1483@decwrl.UUCP>
Date: Thu, 14-Jun-84 08:58:50 EDT
Article-I.D.: decwrl.1483
Posted: Thu Jun 14 08:58:50 1984
Date-Received: Wed, 20-Jun-84 00:33:02 EDT
Organization: DEC Engineering Network
Lines: 43

I don't know how the Mac does it, but the Apple][DOS places data on
the disk sequentially backward, thus:

Imagine a 16-sector file, ie one track, to be saved on a freshly
initialised disk. This file will be stored in this order on the disk:

File sector	Disk track/sector	File sector	Disk track/sector
1	18/15	9	18/ 7
2	18/14	10	18/ 6
3	18/13	11	18/ 5
4	18/12	12	18/ 4
5	18/11	13	18/ 3
6	18/10	14	18/ 2
7	18/ 9	15	18/ 1
8	18/ 8	16	18/ 0

...and so on for longer files. What this means in terms of read/write
time is that a simple-minded DOS can have lots of time to read a sector
into a buffer area and then move it to the proper area in memory, and
then do housekeeping before the next sector comes along, almost a full
revolution later. Thus, it takes DOS 3.3 18 revolutions to read that
16-sector file. SLOOOOOOOWWW!!!

There are several third-party DOSes available for the Apple][machines;
three that I know of are Diversi-DOS, from DSR, Inc.; ProntoDOS, from
Beagle Brothers; and David DOS, from David Data. All of these are
smarter in that they don't need the massive amount of time between
sectors. They use a little intelligence to read sectors out of order,
and all of them can load a 16-sector Applesoft or binary programme in
only TWO revolutions. Text file handling is a little slower but still
vastly faster than DOS 3.3. All of these DOSes also include extra
functions, some of them rather nice; David DOS has new commands for
direct load and save of text files, Diversi-DOS has a TLIST command that
lists Applesoft directly from the disk, and so on.

Cheers,

Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax }!decwrl!rhea!dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Thursday 14th June 1984, 08:59 Eastern time by DOSADI::BINDER

From 6983587013906411425
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c268b28e8926fb4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-14 09:29:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harvard.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!zehntel!hplabs!sdcrdcf!sdcsvax!
dcdwest!ittvax!decvax!genrad!wjh12!harvard!chavez
From: chavez@harvard.UUCP
Newsgroups: net.micro.apple
Subject: Modem7 for Macintosh<-->Unix Transfers
Message-ID: <270@harvard.UUCP>
Date: Thu, 14-Jun-84 12:29:13 EDT
Article-I.D.: harvard.270
Posted: Thu Jun 14 12:29:13 1984
Date-Received: Fri, 22-Jun-84 05:10:28 EDT
Organization: Aiken Computation Lab, Harvard
Lines: 8

Does anyone out there have a C program for
the Unix end of Macintosh-to-Unix file transfers
using the MacTerminal VT100 emulator?

R. M. Chavez
...!decvax!genrad!wjh12!harvard!chavez

From -8753408794740975762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,ccc3990504c1a195
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,ccc3990504c1a195
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-14 11:38:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!fortune!grw
From: grw@fortune.UUCP (Glenn Wichman)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Re: Adventure Game Wanted
Message-ID: <3591@fortune.UUCP>
Date: Thu, 14-Jun-84 14:38:43 EDT
Article-I.D.: fortune.3591

Posted: Thu Jun 14 14:38:43 1984
Date-Received: Fri, 15-Jun-84 01:31:06 EDT
References: <183@aluxe.UUCP>, <549@ihuxj.UUCP>
Organization: Fortune Systems, Redwood City, CA
Lines: 7

bip.

There is at least one good graphic adventure game for the Atari, and that is Ali Baba & the Forty Thieves. I recommend it.

-Glenn

From -1349367040923623992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ba5b6560720c521,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-14 11:51:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!eosp1!byron
From: byron@eosp1.UUCP (Byron Han)
Newsgroups: net.micro.apple
Subject: Macintosh disk repairing
Message-ID: <938@eosp1.UUCP>
Date: Thu, 14-Jun-84 14:51:13 EDT
Article-I.D.: eosp1.938
Posted: Thu Jun 14 14:51:13 1984
Date-Received: Fri, 15-Jun-84 01:32:25 EDT
Organization: Exxon Office Systems, Princeton, NJ
Lines: 25

There have been a number of reports of disks becoming unavailable. By this I mean when you insert the disk to open it, the system crashes with ID=02 error. The disk is unavailable in that you cannot even erase it!

There are two ways of getting around this.

Number 1: If you have MacPaint/MacWrite documents on the damaged disk, get into MacP or MacW and close the window and click on the OPEN selection in the file menu. EJECT the MacP/W disk and insert the damaged disk. This SHOULD be successful and you can save the file on another disk.

Number 2: You can try to repair the disk in the following manner. After booting the system with the system disk, eject it. While holding down the OPTION and COMMAND keys simultaneously, insert the damaged disk. The system will then try to repair the disk. You will lose, however, all of the folder hierarchy. Files inside the folders will be okay.

Number 2 came from Apple Technical Support, number 1 I found by experimenting. Apparently, acc. to ATS, the problem is due to addressing problems in setting

up the file-display windows (w/all of those pretty icons.)

That's all folks!
<Byron Han>

From 4137404160434476977
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,15f7185502677ce2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-14 13:15:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site siemens.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!burl!ulysses!allegra!princeton!eosp1!
siemens!bourne
From: bourne@siemens.UUCP (Dave Bourne)
Newsgroups: net.micro.apple
Subject: MacMemory
Message-ID: <211@siemens.UUCP>
Date: Thu, 14-Jun-84 16:15:33 EDT
Article-I.D.: siemens.211
Posted: Thu Jun 14 16:15:33 1984
Date-Received: Sat, 16-Jun-84 00:46:54 EDT
Organization: Siemens RTL Princeton, NJ
Lines: 14

> The PAL chips provide all the address decoding, bus control, timing,
> refresh garbage for the RAM, etc. etc. (see first issue of MacWorld
> or February '84 issue of Byte magazine). When upgrading from 128K
> to 512K, its probably necessary to decode a few more address lines
> thus requiring a new PAL chip as well as new memory chips.
>
> Is this the type of comment you were looking for?

"The buck does NOT stop here"
dave
at
siemens!bourne

From -7173037533070965146
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,165dd57be2d4f436,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 04:57:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ucbvax!ucbcad!tektronix!hplabs!sri-unix!
KSPROUL@RUTGERS.ARPA
From: KSPROUL@RUTGERS.ARPA
Newsgroups: net.micro.apple
Subject: Apple II mouse
Message-ID: <887@sri-arpa.UUCP>

Date: Fri, 15-Jun-84 07:57:16 EDT
Article-I.D.: sri-arpa.887
Posted: Fri Jun 15 07:57:16 1984
Date-Received: Tue, 19-Jun-84 01:03:55 EDT
Lines: 26

I just got an Apple II mouse,,, It took long enough for the
store to get it... It works great, MOUSEPAINT is very good
and REALLY supper from a ram-disk...

Does anybody know what the format of the FONT files is??

I have a bunch of font data that I would like to use, but I need to
know what format it should be put in so that MOUSEPAINT can use it..

Only one major complaint about MOUSEPAINT!

You MUST go back to the keyboard to clear the screen... This is a very
big pain!!! If it had the simple double click that MACPAINT has it would
be much better..

Another question...

What is the Motorola 87335 chip that is on the interface board, it is
as 28 pin chip... I was under the impression that the interface had
its own microprocessor on the board, but I cant confirm this, unless
the 87335 is a micro...

Keith Sproul
Ksproul@Rutgers.arpa

From -8483901102213208136
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,59804fa580a4b451,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 05:53:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs7!
ee163abs
From: ee163abs@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Lower Case Using Apple DOS
Message-ID: <1259@sdccs7.UUCP>
Date: Fri, 15-Jun-84 08:53:29 EDT
Article-I.D.: sdccs7.1259
Posted: Fri Jun 15 08:53:29 1984
Date-Received: Tue, 19-Jun-84 01:11:03 EDT
Organization: U.C. San Diego, Computer Center
Lines: 9

Is there any way that I can have apple DOS 3.3 understand lowercase commands
(e.g. DELETE, CATALOG) when typed in lower case?

Thanks,
Ron Breger
...sdcsvax!sdccs7!ee163abs
(or post on news)

From -6472975220530130089
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2d10e7206ba959bc,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2d10e7206ba959bc,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,2d10e7206ba959bc,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 15f443,2d10e7206ba959bc,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-06-15 07:11:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!mcnc!unc!howell
From: howell@unc.UUCP (William Howell)
Newsgroups: net.micro,net.micro.pc,net.wanted,net.micro.apple
Subject: Wanted: Footnote Capability With Wordstar
Message-ID: <7347@unc.UUCP>
Date: Fri, 15-Jun-84 10:11:30 EDT
Article-I.D.: unc.7347
Posted: Fri Jun 15 10:11:30 1984
Date-Received: Tue, 19-Jun-84 01:09:09 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 8

I am in need of a program that will take a Wordstar document file and
a list of footnotes and format the pages such that the footnotes end
up at the bottom of the correct pages. About a year ago there was a
company called Digital Marketing selling such a product, called
"FOOTNOTE" but it appears that they have disappeared - have not seen
an advertisement in nearly a year. I need this for IBM machines
preferably but could work with one for Apple/CPM if necessary. If
you know of such a product please respond by mail. Thanks.

From 8714326471041450468
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,246816846bfb8ccf,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,246816846bfb8ccf,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,246816846bfb8ccf,start

X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-06-15 08:21:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!mcnc!unc!howell
From: howell@unc.UUCP (William Howell)
Newsgroups: net.wanted,net.micro.pc,net.micro.apple
Subject: WANTED: Footnote Capability For Wordstar
Message-ID: <7348@unc.UUCP>
Date: Fri, 15-Jun-84 11:21:13 EDT
Article-I.D.: unc.7348
Posted: Fri Jun 15 11:21:13 1984
Date-Received: Tue, 19-Jun-84 01:09:27 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 8

I am in need of a program that will take a Wordstar document file and
a list of footnotes and format the pages such that the footnotes end
up at the bottom of the correct pages. About a year ago there was a
company called Digital Marketing selling such a product, called
"FOOTNOTE" but it appears that they have disappeared - have not seen
an advertisement in nearly a year. I need this for IBM machines
preferably but could work with one for Apple/CPM if necessary. If
you know of such a product please respond by mail. Thanks.

From 6534403906174023015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,beeaec897c8dc97e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 08:44:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxf.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihuxf!at07
From: at07@ihuxf.UUCP (at07)
Newsgroups: net.micro.apple
Subject: Re: Free subscriptions to ST.Mac
Message-ID: <2256@ihuxf.UUCP>
Date: Fri, 15-Jun-84 11:44:04 EDT
Article-I.D.: ihuxf.2256
Posted: Fri Jun 15 11:44:04 1984
Date-Received: Sat, 16-Jun-84 04:03:36 EDT
References: <679@abnjh.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 2

Besides ST. Mac, the same company publishes SoftTalk for the Apple II*
computers (200-300 pages), SoftTalk for the IBM pc (~100 pages),

From -5617334395876527592
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,beeaec897c8dc97e

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 09:05:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxf.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihuxf!at07
From: at07@ihuxf.UUCP (at07)
Newsgroups: net.micro.apple
Subject: Re: Free subscriptions to ST.Mac
Message-ID: <2257@ihuxf.UUCP>
Date: Fri, 15-Jun-84 12:05:57 EDT
Article-I.D.: ihuxf.2257
Posted: Fri Jun 15 12:05:57 1984
Date-Received: Sat, 16-Jun-84 04:05:11 EDT
References: <679@abnjh.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 7

Sorry, screwed up. Besides St. Mac, the same company publishes SoftTalk for the Apple II* (200-300 pages) and SoftTalk for the IBM pc (~100 pages). Furthermore, they publish St. Game which is a game magazine for all microcomputers. All of these magazines have a free 1 year trial subscription offer. Just simply give them your name, address, which computer you own and the serial number.

From 4959812132228668652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3f3129e0be235c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 10:25:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ucbvax!ucbcad!tektronix!uw-beaver!
cornell!vax135!floyd!cmcl2!lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: Memory clearing routines (6502 programers read this!!)
Message-ID: <959@unm-cvax.UUCP>
Date: Fri, 15-Jun-84 13:25:10 EDT
Article-I.D.: unm-cvax.959
Posted: Fri Jun 15 13:25:10 1984
Date-Received: Tue, 19-Jun-84 01:19:48 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 60

< another bug bytes the bus (Is this bug still around?)>

I spent the last few days creating what I think has to be the
 fastest memory clearing routine found. The way it's run
 is that you put the starting page in the accumulator and the
 ending page into the x-register. Then you put what you want all the

locations changed to in location $30. When this is done you JSR to the routine.

ROUTINE (I added the hex codes for those of you who don't have a assembler):

```
1  ; A<=page<X
2               ORG $800
3  CLRMEM:
4               STA POSIT+$2    800 : 8D 09 08
5               LDA COLOR       803 : A5 30
6               LDY #$00        805 : A0 00
7  CLRLOOP:
8  POSIT        STA $2000,Y     807 : 99 00 20
9               INY             80A : C8
10              BNE CLRLOOP     80B : D0 FA
11              CPX POSIT+$2    80D : EC 09 08
12              BNE CLRLOOP     810 : D0 F2
13              RTS             812 : 60
14 COLOR        EPZ $30  ; Note : if you wish to use this for low resolution
15                       ; just put the color you what the back ground
16                       ; to be in the accumulator and JSR $F864 to set color.
17              END
```

SAMPLE runner (a faster GR routine):

```
1               ORG $4000
2               LDA $C050 ; set low res screen
3               LDA $C053
4               LDA $C054
5               LDA $C056
6               LDA #$14
7               STA $22   ; set screen boundary so that you can only
8                         ; print on the bottom 4 lines
9               LDA #$07
10              JSR $F864 ; set color to light blue
11              LDA #$04  ; starting page
12              LDX #$08  ; ending page
13              JSR $800  ; mem-clear routine
14              RTS
15              END
```

The above would set the low - res screen, make it light blue, and return control to the calling program. This is so fast that it can be run 6 times in the time that the basic GR command runs(We clocked it).

I would like to see if anybody can make a shorter and/or faster routine then this (no, you don't win anything except my respect). Also, does anybody have any routines that I might want to look at?

Josh Siegel

{convex,ucbvax,gatech,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From 3410501627647219204
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,d48bc9738e862dd,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,340b9ee6c3ff5d5b
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d48bc9738e862dd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 10:35:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxj.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihuxj!freak
From: freak@ihuxj.UUCP (C. E. Malloy, III)
Newsgroups: net.micro.atari,net.micro.apple,net.micro
Subject: Re: Adventure Game Survey
Message-ID: <561@ihuxj.UUCP>
Date: Fri, 15-Jun-84 13:35:26 EDT
Article-I.D.: ihuxj.561
Posted: Fri Jun 15 13:35:26 1984
Date-Received: Sat, 16-Jun-84 04:14:14 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 39

Tom:

I tried to fill out the survey form, but found it impossible. Explainations are necessary. To the first question: For an excellent game, with challenge, Infocom is the only manufacture. If pressed I might add Scott Adams, but there are great flaws in the logic of those games.

Question 2: The Best Game Overall Game" In orger of my preference: The "Zork" series, The "Enchanter" series, The "Mystery" series. These are all from Infocom.

Question 3: "The Most Difficult Game" This question can be taken either of two ways. One, the most difficult because of flaws in the logic, which is bad. Or, the most difficult because the logic is flawless and puzzles are difficult, which is good. On the first count, number one is Scott Adams followed closely by Serria On-Line. On the second count, my answer is Infocom, of course. In the difficulty field I will also include, Empire of the Over-Mind from Avalon Hill.

Question 4: "The Most Humerous Game" Again a game from Infocom, "Planetfall". But add any and all of the games from Infocom, they all contain both covert and overt humor.

And finally question 5: "The Most Realistic Game" What kind of question is this? Realistic? Adventure games are not realistic, they are escapeism. When I play an adventure game I want to forget about the real world. But, on the other hand, if you are asking if the game in question is real to the realm of Fantasy Role-Playing, then Infocom is the most

realistic. And, the closest thing that I have seen to Advanced Dungeons & Dragons (AD&D) is 'The Temple of Apshi' from Epyx, and the 'Dunzhin' series from Screenplay.

All of the information is based on my personal experience after five years of playing AD&D, seven years of playing games on Unix, and three years of playing on my Atari 800.

The above is the opinion of the author, and is correct.

Clancy Malloy (ihuxj!freak)

From 4136357732880239014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ccc3990504c1a195
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 11:06:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ucbvax!ucbcad!tektronix!hplabs!sri-unix!Knisely@his-phoenix-multics.arpa
From: Knisely@his-phoenix-multics.arpa
Newsgroups: net.micro.apple
Subject: RE: Adventure Game Wanted
Message-ID: <912@sri-arpa.UUCP>
Date: Fri, 15-Jun-84 14:06:00 EDT
Article-I.D.: sri-arpa.912
Posted: Fri Jun 15 14:06:00 1984
Date-Received: Tue, 19-Jun-84 01:06:00 EDT
Lines: 18

Can't agree with C. Malloy. I think there are several good graphics adventure games tht run on the Atari (there are lots of not-so-good too). "Wizard and Princess" is pretty good. The Ultima II and Ultima III pair are combination text/graphics games that are excellent. Depends somewhat on what you want and whether the person(s) playing are experienced in this type of game or not.

But, I will agree that the Infocom games are super, in the text adventure group they head the list and, as a whole, their games are better than the graphics group.

For something unusual, look into either "hercules" or "Ali Baba and the Forty Thieves". Not classic adventure games, these are fun and graphically oriented games that are less puzzle solving exercises than the other, more typical adventure games.

Have fun. (Why not post your query to Info-Atari at SU-SCORE?)
...Dick... Knisely.DSP1%pco at CISL

From -8564621276776155270
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 125dc4,c1b93b03c11b2fca
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 129c11,c1b93b03c11b2fca
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,179744b1562c2625
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 11:19:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!mit-eddie!nessus
From: nessus@mit-eddie.UUCP (Doug Alan)
Newsgroups: net.games,net.micro,net.micro.apple
Subject: Re: Adventure type games
Message-ID: <2142@mit-eddie.UUCP>
Date: Fri, 15-Jun-84 14:19:41 EDT
Article-I.D.: mit-eddi.2142
Posted: Fri Jun 15 14:19:41 1984
Date-Received: Tue, 19-Jun-84 01:09:55 EDT
References: mit-eddi.2088, <2709@ecsvax.UUCP> <1927@sdccsu3.UUCP>
Organization: MIT, Cambridge, MA
Lines: 19

> From: ee171bbr@sdccsu3.UUCP

> Infocom is decent, but it doesn't have graphics! And so I would
> have to say they are not worth the money.

Who cares if it doesn't have graphics!!! That's like saying you didn't
like a book because it didn't have pictures. It just isn't possible
given an Apple sized disk to have both a good adventure game and good
graphics. And who wants to wait 10 times as long for the computer to
draw a silly picture with people that look worse than saturday morning
cartoon characters anyway. I'd much rather have an imagitive
description. What hath TV wrought?
--
-Doug Alan
mit-eddie!nessus
Nessus@MIT-MC

"What does 'I' mean"?

__GoOgLE_
X-Google-ArrivalTime: 1984-06-15 11:20:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!abnjh!cbspt002
From: cbspt002@abnjh.UUCP (Marc E. Kenig)
Newsgroups: net.jokes
Subject: offnsive to organizing committees?
Message-ID: <687@abnjh.UUCP>
Date: Fri, 15-Jun-84 14:20:43 EDT
Article-I.D.: abnjh.687
Posted: Fri Jun 15 14:20:43 1984

Date-Received: Sat, 16-Jun-84 04:15:30 EDT
Organization: ATTIS, NJ
Lines: 6

UNIX(tm) - The official operating system of the 1984 summer Olympics in LA(c)

(tm) UNIX is a trademark of AT&T Bell Labs
(c)1980 L.A. Olympic Committee

From -5540425665939136704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62c8fd3b80ea62f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 12:31:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!bunker!jrh
From: jrh@bunker.UUCP (Jeff Hagen)
Newsgroups: net.micro.apple
Subject: apple II[-+e] 80col and 1200bps
Message-ID: <431@bunker.UUCP>
Date: Fri, 15-Jun-84 15:31:30 EDT
Article-I.D.: bunker.431
Posted: Fri Jun 15 15:31:30 1984
Date-Received: Tue, 19-Jun-84 01:09:43 EDT
Lines: 77

e.

But in this case, the processor only has to check for an incoming
character once every 8 millisecs, and it can check for this any
time in that interval.

So, write a polling routine that checks to see if a character
has come in, and if it has maintain a spooling buffer for
unprocessed characters. Then write the routine to process
the characters interspersing calls to the polling routine
so that the polling routine gets called at least once each
8 millisecs.

You could add another feature to the polling routine that
checks to see if the spooling buffer is nearly full.
If it is nearly full, send the host a control S.
When it is empty and a control S is pending, send a control Q
to restart the transmission.

right?

This would be applicable to 70col hires character generators as
well. So if 70 columns are enough, you don't even need an 80 column
card.

The size of the polling routine would be small, although
some ram would be necessary for the spooling buffer.

Jeffrey R. Hagen

From -6582816914388044311
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,d48bc9738e862dd
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,d48bc9738e862dd
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,340b9ee6c3ff5d5b
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-06-15 13:30:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxf.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ucbvax!ucbcad!tektronix!uw-beaver!
cornell!vax135!houxz!houxm!ihnp4!ihuxf!at07
From: at07@ihuxf.UUCP
Newsgroups: net.micro.atari,net.micro.apple,net.micro
Subject: Re: Adventure Game Survey
Message-ID: <2258@ihuxf.UUCP>
Date: Fri, 15-Jun-84 16:30:54 EDT
Article-I.D.: ihuxf.2258
Posted: Fri Jun 15 16:30:54 1984
Date-Received: Tue, 19-Jun-84 01:16:08 EDT
References: <561@ihuxj.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 7

To question 5, what about the Wizadry series and Ultima III? I consider
Ultima III tens time better than Temple of Asphai. In at least one magazine,
both of these game are ranked the highest among role playing games.

--
Albert L. M. Ting (ihuxf!at07)

From 5819672538935099059
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,165dd57be2d4f436
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-15 19:43:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ucbvax!ucbcad!tektronix!hplabs!sri-
unix!RALPHW@MIT-XX.ARPA
From: RALPHW@MIT-XX.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple II mouse
Message-ID: <923@sri-arpa.UUCP>
Date: Fri, 15-Jun-84 22:43:30 EDT
Article-I.D.: sri-arpa.923

Posted: Fri Jun 15 22:43:30 1984
Date-Received: Tue, 19-Jun-84 01:43:15 EDT
Lines: 10

From: "Ralph W. Hyre Jr." <RALPHW@MIT-XX.ARPA>

I believe there's a 6805 on board, but I don't know if 6805 = 87355. There's
also a couple of ROM's on the board. One is for the Apple's 6502, so the other
one must be for the 6805. I wonder what the program for the 6805 looks
like. Anyone care to find out?

                        - Ralph Hyre
                        (ralphw@mit-xx.arpa)

From 4515700406141372303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d89135b94e437d9f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-16 10:25:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!jbyrd@BBN-VAX.ARPA
From: jbyrd@BBN-VAX.ARPA
Newsgroups: net.micro.apple
Subject: peeling monitors
Message-ID: <928@sri-arpa.UUCP>
Date: Sat, 16-Jun-84 13:25:01 EDT
Article-I.D.: sri-arpa.928
Posted: Sat Jun 16 13:25:01 1984
Date-Received: Wed, 20-Jun-84 00:36:09 EDT
Lines: 7

From: James Byrd <jbyrd@BBN-VAX.ARPA>

Occasionally I have seen references to a book titled "The Apple Monitor
Peeled", or something like that, but I have never seen it for sale anywhere.
Does anyone know where I could find a copy? Thanks.

Jim Byrd

From 2438817001584289446
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d89135b94e437d9f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-16 12:15:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!jsweet@UCI-750A.ARPA
From: jsweet@UCI-750A.ARPA
Newsgroups: net.micro.apple

Subject: Re: peeling monitors
Message-ID: <931@sri-arpa.UUCP>
Date: Sat, 16-Jun-84 15:15:24 EDT
Article-I.D.: sri-arpa.931
Posted: Sat Jun 16 15:15:24 1984
Date-Received: Wed, 20-Jun-84 00:36:53 EDT
Lines: 12

From: Jerry Sweet <jsweet@UCI-750A.ARPA>

The book you are looking for is "Apple II Monitors Peeled", Apple product number D2L0013 (950-0018). I don't know the price, but it's outrageous, as usual. I don't know if the book has been updated for the //e and //c monitors; it was written around 1981 by someone outside of Apple, I think. Having a hardware reference manual for your Apple is a must, since it probably contains a monitor listing to which you will need to refer if you use A2MP.

-jns

From 1631880779087183022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a62c8fd3b80ea62f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-16 15:34:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!hao!seismo!rlgvax!cvl!umcp-cs!james
From: james@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Re: apple II[-+e] 80col and 1200bps
Message-ID: <7520@umcp-cs.UUCP>
Date: Sat, 16-Jun-84 18:34:50 EDT
Article-I.D.: umcp-cs.7520
Posted: Sat Jun 16 18:34:50 1984
Date-Received: Wed, 20-Jun-84 00:45:10 EDT
References: <431@bunker.UUCP>
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 11

Regarding making sure your polling routine gets called at
least every 8 msecs: this is the whole problem...once your 80-col card
ROM gets into its scroll routine, it's hard to get control again.

Easier than interrupts is relocating the whole ROM code to RAM and
sticking calls to your polling routine in all the right places.

Regarding sending ^S to the host automagically: it's yucky,
it's awful, and it only works if you are *extremely* careful.

--Jim

From 4261927250325390978
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,179744b1562c2625
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-17 09:43:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: Re: Re: Adventure type games
Message-ID: <1617@decwrl.UUCP>
Date: Sun, 17-Jun-84 12:43:04 EDT
Article-I.D.: decwrl.1617
Posted: Sun Jun 17 12:43:04 1984
Date-Received: Wed, 20-Jun-84 00:34:19 EDT
Organization: DEC Engineering Network
Lines: 18

> Infocom is decent, but it doesn't have graphics! And so I would have
> to say that they are not worth the money.

That's just the point!! Infocom's adventures DON'T have graphics. You
have hit upon the essential difference between comic books, which have
all those pretty pictures, and serious literature, which doesn't. The
magic of Infocom games is that they draw you in and make you IMAGINE a
scene rather than feeding it to you like so much pablum in a spoon.

LONG LIVE INFOCOM !!!

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: { decvax, allegra, ucbvax }!decwrl!rhea!dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Sunday 17th June 1984, 12:42 EDT by DOSDADI::BINDER

From 7749485000515372341
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20eae4dd9231fcd6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-17 20:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucuxc.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ucbvax!ucbcad!tektronix!uw-beaver!
cornell!vax135!houxz!houxm!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!rcook
From: rcook@uiucuxc.UUCP
Newsgroups: net.micro.apple

Subject: Re: RE: Floppies - (nf)
Message-ID: <23600011@uiucuxc.UUCP>
Date: Sun, 17-Jun-84 23:45:00 EDT
Article-I.D.: uiucuxc.23600011
Posted: Sun Jun 17 23:45:00 1984
Date-Received: Thu, 21-Jun-84 01:39:57 EDT
References: <555@ihuxj.UUCP>
Lines: 7
Nf-ID: #R:ihuxj:-55500:uiucuxc:23600011:000:92
Nf-From: uiucuxc!rcook   Jun 17 22:45:00 1984

#R:ihuxj:-55500:uiucuxc:23600011:000:92
uiucuxc!rcook   Jun 17 22:45:00 1984

Can i count on you to cancel (rip up) my check that is on its way in
the mail???

Rob Cook

From 7970301162776282486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,12b98e52f15db6dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-18 06:51:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!vax135!houxz!houxm!ihnp4!inuxc!pur-ee!CS-Mordred!
Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Scrolling with and without interrupts
Message-ID: <319@pucc-i>
Date: Mon, 18-Jun-84 09:51:41 EDT
Article-I.D.: pucc-i.319
Posted: Mon Jun 18 09:51:41 1984
Date-Received: Thu, 21-Jun-84 00:36:48 EDT
Organization: Purdue University Computing Center
Lines: 40

I have gotten some mail asking how to obtain the ROM listings I mentioned
for the //e. I got mine from an Apple dealer. Ask for the "Apple //e
Reference Manual." The ROM listings come packaged with the manual.

The entry to the Pascal output routine is JPWRITE at $C357. Most of the
work is done by PWRITE at $CA8E. A table at $CC5F controls the processing
of control characters. I duplicated the driver routine in my terminal
emulator and made a few patches in the control character table wherever
I wanted to handle something differently from the ROM, or add new capabilities
such as tabbing, or insert/delete line or character.

My first attempt to handle the scrolling problem was to write a transparent
subroutine (preserves registers and flags) to check for incoming characters

and place them in a buffer. I modified the scrolling routines, the bell routine, and a few others to call the polling routine at appropriate intervals. This helped, but I was still losing a character here and there. I tried adding more calls to the polling routine, but things were beginning to get out of hand and I was still losing characters. I decided to simplify and go to interrupts.

I turned my polling routine into an interrupt handler and removed all the calls I had inserted. In some cases I was able to remove entire subroutines and go back to the ROM version (the BELL routine, for example). The result was much cleaner code and it worked the first time.

As I mentioned previously, the //e ROM disables interrupts part of the time during scrolling. To be precise, interrupts are disabled whenever text page 2 (in the alternate bank, sometimes called page 1x) is swapped in. This happens because text page 1 contains some memory locations which are not mapped to the screen and which are reserved for use by the peripheral cards (see chapter 6 in the Reference Manual). Apple assumes that an interrupt handler might need to access some of these special locations, and that handlers from pre-//e days might not know about alternate banks.

My interrupt handler does not use any locations on text page 1, so I just leave interrupts enabled while page 2 is swapped in.
--

Dave Seaman   "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From -8663882072087855022
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dc0a84abfeb929fc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-18 08:05:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site wnuxb.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!hw3b!wnuxb!djmolny
From: djmolny@wnuxb.UUCP (Molny)
Newsgroups: net.micro.apple
Subject: Macintosh MS-BASIC warts
Message-ID: <128@wnuxb.UUCP>
Date: Mon, 18-Jun-84 11:05:03 EDT
Article-I.D.: wnuxb.128
Posted: Mon Jun 18 11:05:03 1984
Date-Received: Fri, 22-Jun-84 07:06:21 EDT
Organization: WECo. Warrenville Data Center
Lines: 24

< clean your plate; there are bugs starving in asia... >

Thought I'd share two nasty problems with Microsoft BASIC on the Mac.

1) When saving a large program (by selecting SAVE from the FILE menu),
one must wait for the disk to finish spinning before selecting another FILE
option (especially NEW, OPEN... or QUIT). Otherwise, the disk write is
truncated. This happened several times before I made the connection.
I sent Microsoft a bug report on this one.

2) A large quantity of LPRINTs can overrun the Imagewriter's buffer if the
printer is set for XON/XOFF protocol. Selecting DTR protocol (by opening dip
switch 2, bit 3) fixes the problem. I haven't tried MacWrite or MacPaint with
the printer in this mode, but I suspect there will be problems since they worked
fine with XON/XOFF.

Waiting for "C",
DJ Molny, ccom consultants, inc.
    at
AT&T Technologies
ihnp4!mgnetp!hw3b!wnuxb!djmolny

From 1669457948243414884
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c6949f840bec1ab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-18 11:38:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccsu3!loral!
hlb
From: hlb@loral.UUCP
Newsgroups: net.micro.apple
Subject: Lowercase DOS commands
Message-ID: <192@loral.UUCP>
Date: Mon, 18-Jun-84 14:38:43 EDT
Article-I.D.: loral.192
Posted: Mon Jun 18 14:38:43 1984
Date-Received: Wed, 20-Jun-84 00:47:36 EDT
Organization: Loral Instruments, San Diego
Lines: 10

To the best of my recollection, someone posted this and said
that inorder to change to lowercase input one had to change
location FD83h from DFh to FFh.

I have never tried this and cannot verify it. Perhaps someone
else can.

Regards.

From 1432126209720648250
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,dc0a84abfeb929fc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-18 14:42:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!floyd!vax135!houxz!houxm!mhuxl!
aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Re: Macintosh MS-BASIC warts
Message-ID: <187@aluxe.UUCP>
Date: Mon, 18-Jun-84 17:42:46 EDT
Article-I.D.: aluxe.187
Posted: Mon Jun 18 17:42:46 1984
Date-Received: Thu, 21-Jun-84 04:22:02 EDT
References: <128@wnuxb.UUCP>
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 40

You have only uncovered the surface, by no means does Microsoft BASIC even come close to utilize Mac's power. Some of the things Microsoft screwed-up on are:

- When you do an OPEN, you are faced with a single blank box you are supposed to type your filename into. NO scroll bars containing a list of the filenames, NO way to easily access a second drive. This is fine for the IBM-PC, but NOT the Mac.

- No COM statement to configure the communication ports. You have to poke in assembly programs to do this.

- No sound support of any kind. (Unless you count ^G :))

- Small working space, <20K if you want the desk accesories to be reasonably responsive.

- No way to size the output window from within the BASIC program.

- LPRINT doesn't configure the printer port correctly, you must do a screen dump before you do a listing so the XON/XOFF handshaking is performed.

- When you do a RENUM the listing window gets burried. agrivating!

- No way to cut and paste groups of lines within a listing. I realize that this is tricky with line numbers, but it can be done.

Whew! I feel a little better getting that off my chest, but Microsoft!! you can do better, MUCH better. Unless you want sales to drop to zero when the next language comes out, please bless us with an update that makes MS-BASIC a program for the Macintosh, not an IBM retrofit.

Awaiting for 'C' also

Lonnie R. Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From 6447638709351117078
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,491096c8c2c0d7fc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 23:14:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!gargoyle!oddjob!sean
From: sean@oddjob.UChicago.UUCP (Sean Casey)
Newsgroups: net.micro.apple
Subject: Mac and modem7 (Is this for umodem?)
Message-ID: <249@oddjob.UChicago.UUCP>
Date: Thu, 24-May-84 02:14:31 EDT
Article-I.D.: oddjob.249
Posted: Thu May 24 02:14:31 1984
Date-Received: Sat, 26-May-84 12:46:23 EDT
Organization: U. Chicago: Astronomy & Astrophysics
Lines: 16

Does anyone understand the modem7 transfer routine selectable
from within the Mac? I suspect that this is a variation of the
protocol for umodem. Please reply via mail and I will post
the results.

Modem7 is described in INFO-MODEM7@SIMTEL20 as
the "CP/M MODEM7 Christensen protocol file transfer program".
This is exactly what you find under a description of umodem
(except ,of course, for the modem7). I tried running umodem,
but the Mac file transfer routine timed out! I can modify
umodem.c, but what hand shaking does the Mac need? Thanks.

Sean Casey || University of Chicago
...!ihnp4!oddjob!sean || Dept of Astronomy and Astrophysics

From 4289121345478997096
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,2738ec021bf7639d
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 129c11,2738ec021bf7639d
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2738ec021bf7639d
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-05-24 10:06:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxm.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!ihuxm!brp
From: brp@ihuxm.UUCP (B.R. Priest)
Newsgroups: net.micro,net.micro.apple,net.micro.cbm
Subject: Re: Is there a fast High-level language for the 6502?
Message-ID: <1000@ihuxm.UUCP>
Date: Thu, 24-May-84 13:06:04 EDT
Article-I.D.: ihuxm.1000
Posted: Thu May 24 13:06:04 1984
Date-Received: Wed, 30-May-84 08:45:20 EDT
References: <268@intelca.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 20

<...>
     I don't see what al the fuss is about? What exactly do you
     want to do that needs to be faster? I have written several
     large applications on Apple computers using Apple pascal and
     the only real bottleneck I have encountered is Disk I/O.
     The solutions to that are hard disk or ram disk. Both are
     available. Given the limited memory space of the apple II
     series, I happily trade off the slower execution speed for the
     reduced size of P-Code vs compiled code. Better than swapping
     segments in and out all the time.
     Apple Pascal provides lots of low level built in functions
     and procedures if you need to speed up I/O. Other things that
     just have to be faster, can always be done with the assembler.

                                          Ben Priest
                                          AT&T Bell Labs
                                          Naperville IL
                                          !ihuxm
--
!ihuxm!brp

From 755094003466889004
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88f818f6b6df0c92
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-24 12:25:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: Re: INFO-MAC Articles
Message-ID: <389@drutx.UUCP>
Date: Thu, 24-May-84 15:25:35 EDT
Article-I.D.: drutx.389
Posted: Thu May 24 15:25:35 1984

Date-Received: Thu, 31-May-84 19:05:16 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 5

Did any sites miss the body of any of my 8 articles containing messages
from arpanet's INFO-MAC? If so, email me and I will repost.

Ray Davis UNIX Systems Group druxy!bees

From -7540651264299120379
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,49f143564983bf0f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,49f143564983bf0f
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1984-05-24 13:48:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!ulysses!mhuxl!
ihnp4!zehntel!hplabs!intelca!glen
From: glen@intelca.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: Flipping Floppies
Message-ID: <276@intelca.UUCP>
Date: Thu, 24-May-84 16:48:45 EDT
Article-I.D.: intelca.276
Posted: Thu May 24 16:48:45 1984
Date-Received: Mon, 28-May-84 05:39:01 EDT
References: <257@ihu1e.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 18

I have flipped all the blank floppies I've ever owned and had very few
disk errors (even with ultra-cheapo floppies). I don't know how
scientifically founded the criticisms are that discourage flipping floppies
but I have had great luck!

Some hints:
     It's easier to cut out the write-protect hole with a paper punch then
     with an exacto knife (sure the hole's round, but who cares?)

     Instead of measuring where the hole should be punched, just take
     another floppy, put one on top of the other facing each other,
     and now use the the real hole of one floppy to line up the punch
     for the new hole of the other.

^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!glen"@BERKELEY
\-/   --- stay mellow

From -4149358711232597941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75c9cf8f5610bfc1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-24 21:45:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!noscvax!uhpgvax!islenet!todd
From: todd@islenet.UUCP (Todd Ogasawara)
Newsgroups: net.micro.apple
Subject: review of ProDOS BASIC manual
Message-ID: <430@islenet.UUCP>
Date: Fri, 25-May-84 00:45:19 EDT
Article-I.D.: islenet.430
Posted: Fri May 25 00:45:19 1984
Date-Received: Mon, 21-May-84 03:34:24 EDT
Organization: Islenet Inc., Honolulu
Lines: 60

"BASIC Programming With ProDOS" is well worth its $30 price tag. A great number of changes and additions have been made to the ProDOS enhanced Applesoft. So much so that it is worth your while to switch to ProDOS if you must do any significant amount of work/programming in BASIC on the Apple (please, no flames about using BASIC!...Even though I mostly program in C and APL these days, BASIC still has a place in my toolbox).

Here are a few things I did not know until reading the manual.

-you can store all variable values in an active program by issuing a STORE instruction
e.g., PRINT D$;"STORE /MYDISK/VARFILE"
-the RESTORE instruction retrieves the STOREd variables from a disk
-BLOAD can now load the binary image of ANY filetype (Applesoft, text, random access, etc.)
-READ and WRITE can now access any filetype. It can also grab the directory since the directory is treated as a filetype too (does this sound familiar UN*X fans?)

Along with the book you receive a disk full of sample programs and data files. One of the more interesting programs is APA. This is the ProDOS version of the APA (Applesoft Programmer's Aid) that was part of the Apple DOS Tool Kit for DOS 3.3. This utility adds auto line numbering, renumbering, REM removal, and other useful programming aids.

There seems to be a problem with the XREF function in APA though. If you issue an XREF right after BRUNning APA, it sends the Apple into never-never land. I found that the following technique is needed to use XREF

(note that '-' is a universal execute command in ProDOS...It will RUN, BRUN, or EXEC as appropriate)

-APA

```
     LOAD BASPROG
     COMPRESS
     XREF
```

I don't know why COMPRESSing (removing REMarks) lets the XREF to work, but if you issue a COMPRESS once, XREF will work every time thereafter.

This technique was tried on three different Apple configurations. The same results were found. Machines used were:

```
     Apple II 64K (with old monitor ROMs.  Applesoft ROMs were swapped in
                   how many of you remember the Applesoft ROM board?)
     Apple II+ 64K
     Apple //e 128K
```

I also took a quick look at the ProDOS Tool Kit ($75) although I did not buy it. The Tool Kit contains a 6502 assembler and what appears to be a very sophisticated editor. The editor is capable of split screen simultaneous multiple file editing (say, doesn't all this REALLY remind you of something you are all familiar with?)

Now, unfortunately, another long wait is in store for me as I wait for the manual which will tell me how to hook machine language programs into ProDOS and where to hide them in RAM.

Todd Ogasawara -- University of Hawaii -- Dept. of Psychology
          { dual,vortex,uhpgvax,ihnp4 }!islenet!todd

From -2886130401672273280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,48e42f59f6a0345,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 01:04:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!ulysses!mhuxl!
ihnp4!fortune!rpw3
From: rpw3@fortune.UUCP
Newsgroups: net.micro.apple
Subject: Re: C compiler - (nf)
Message-ID: <3428@fortune.UUCP>
Date: Fri, 25-May-84 04:04:03 EDT
Article-I.D.: fortune.3428
Posted: Fri May 25 04:04:03 1984
Date-Received: Mon, 28-May-84 05:38:23 EDT
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 47

#R:sdccs7:-120700:fortune:22000004:000:2140
fortune!rpw3   May 24 20:49:00 1984

Incidentally, easy-to-use compiler-compilers for top-down languages HAVE
been written in the past. The "META" class of compiler-copilers got some
attention for a while. I once got a copy of an Algol-W compiler that had
been written with "META-II", and the distribution (from DECUS for the PDP-10)
included the full "META-II" package, so I played with it a bit. I was able
to write a compiler for a toy version of BLISS (took most of the language
but the generated code was *AWFUL*) in a weekend.

In META-II, you write the grammar with imbedded output rules. Once you match
a rule to the point of outputting something, backup is forbidden, so you need
to do a bit of munging to force (nearly) LL(1) prefix structure. Sample rules
(productions):

```
    expr:    "(" expr ")" | addop ;

    addop:   mulop "+" OUTPUT("push AC") addop OUTPUT("add @sp+");

    mulop:   mulop "*" OUTPUT("push AC") primary OUTPUT("mul @sp+");

    primary: integer OUTPUT("load ac,[%1]") | name OUTPUT("load ac,%1");
```

Each rule (production) was compiled into a recursive procedure, which
was called by the stack/backup control routine. Each literal string
was compiled into a call to 'match("string")'. The %1 notation was the
top of stack #1 (of 4), which contained the LEXICAL string most recently
matched (note the use in the rule 'primary'). (The stacks were actually
local stack-variables, in that there was a fresh set available on each
new rule invocation.) You could do ^2 to push onto stack #2, etc. Having
the four stacks around let you re-order the code generation for things like
'if' and 'case' statements. The 'OUTPUT' command was no more than a 'printf'
equivalant, so META-II-generated compilers output assembler source (like
C does).

However, once I had seen how they did it, I quit using META-II, and
started crafting my own recognizer procedures directly, using a small
library of things like 'match'. Given that "bag of tricks", small
top-down parsers are easy to whip up when needed.

Rob Warnock

UUCP: {ihnp4,ucbvax!amd70,hpda,harpo,sri-unix,allegra}!fortune!rpw3
DDD: (415)595-8444
USPS: Fortune Systems Corp, 101 Twin Dolphin Drive, Redwood City, CA 94065

From -8398975745109308935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,51191266c363a8de,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 05:30:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!ecsvax!ghb
From: ghb@ecsvax.UUCP

Newsgroups: net.micro.apple
Subject: MacTEP VERSION 1.18 posted to net.sources
Message-ID: <2585@ecsvax.UUCP>
Date: Fri, 25-May-84 08:30:52 EDT
Article-I.D.: ecsvax.2585
Posted: Fri May 25 08:30:52 1984
Date-Received: Fri, 1-Jun-84 01:40:57 EDT
Lines: 7

I have posted the most recent (that I can find) version
of MacTEP, v 1.18, in net.sources. It runs 400+ lines.

This version HAS been improved.

George Brett ...decvax!mcnc!ecsvax!ghb
NCECS POB 12035 RTP NC 27709 (919)549-0671

From -6556613887189351482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90f2bc754d78b525,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,90f2bc754d78b525,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,90f2bc754d78b525,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 06:36:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dicomed.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!hao!seismo!ut-sally!mordor!dual!zehntel!ihnp4!mgnetp!dicomed!boylan
From: boylan@dicomed.UUCP
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Apple Lisa w/unix info
Message-ID: <177@dicomed.UUCP>
Date: Fri, 25-May-84 09:36:49 EDT
Article-I.D.: dicomed.177
Posted: Fri May 25 09:36:49 1984
Date-Received: Wed, 30-May-84 00:11:55 EDT
Organization: DICOMED Corp., Minneapolis
Lines: 35
Xref: 938 1580 293

This is my second posting of this. Doesn't ANYONE out there have
a Lisa with UNIX on it??? I have received a couple of indirect
pointers to information that I am following up. I'll post the
results in a week or so.

I am thinking about buying an Apple Lisa-2 for my very own UNIX machine.
(I can get a very good price on any configuration.) However I know
practically nothing about the machine. This is a query to obtain information
from real live Lisa-2 users. I will post a summary to net.micro of

what I get and am free to quote. Thanks for your help. Some questions:

What UNIX do you have and what do you think of it?

How is the support?

Can you reconfigure it? (Relink it?)

Can you run Apple software off the cassette and/or selectively boot
UNIX/Apple software?

Does the basic Lisa-2 come with an integral disk controller?

Is the disk interface something standard or is it a roll-your-own?
Can I plug in a Maxtor with mucho storage, or similar, into
the Lisa?

How is the performance?

Do you like it?

--
     Chris Boylan
     {mgnetp | ihnp4 | uwvax}!dicomed!boylan

From 2728298642510564393
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13bddc,8e3d3ce6d3489a53,start
X-Google-Attributes: gid13bddc,public
X-Google-Thread: 1622d3,8e3d3ce6d3489a53,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 09:19:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: ih.micro,net.micro.apple
Subject: Apple //e Replacement Power Supplies?
Message-ID: <763@ihuxp.UUCP>
Date: Fri, 25-May-84 12:19:21 EDT
Article-I.D.: ihuxp.763
Posted: Fri May 25 12:19:21 1984
Date-Received: Mon, 28-May-84 05:42:48 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 34

I just filled up the last slot in my Apple //e system. I think that I
have detected a power supply problem where, in some cases, the standard
//e power supply doesn't quite have enough capacity. I have a super
serial card in slot 1, Micromodem //e in slot 2, 80 col--extended 64K
card in slot 3 (Aux slot actually, cann't use slot 3), Apple Mouse in
slot 4, Vista 8 inch controller card in slot 5, standard 5 1/4 controller

in slot 6, and a PCPI Appli-Card in slot 7.

I get a disk write error on the 5 1/4's when both drives are active (actually switching back and forth rapidly). I can work on the 8 inch drives "all night", or be reading from a 5 1/4 and writing to an 8 inch drive with no problems. I only have a problem when there is a program that uses both 5 1/4's (for example, [under CPM] using pip to copy one 5 1/4 to another).

This problem just appeared after I added the Vista card. I suspect that the total power requirements for the system exceeds the capacity of the power supply when both 5 1/4's are very busy. I am going to do some more checking by removing some of the other cards first (I'll leave the Vista card in to make sure that it's not a software problem).

QUESTION: Are there replacement power supplies that have a larger capacity than the standard power supply in the Apple //e. Thanks in advance for any assistance?

George V. Wilder
ihnp4!ihuxp!gvw1
1 (312) 979-1937

--

George V. Wilder

ihnp4!ihuxp!gvw1

From -2163077221676772589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,49f143564983bf0f
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,49f143564983bf0f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 11:12:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site felix.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!bmcg!felix!
zemon
From: zemon@felix.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Re: Flipping Floppies -- Oi! Not this discussion AGAIN!
Message-ID: <281@felix.UUCP>
Date: Fri, 25-May-84 14:12:17 EDT
Article-I.D.: felix.281
Posted: Fri May 25 14:12:17 1984
Date-Received: Mon, 28-May-84 06:05:59 EDT
References: <257@ihu1e.UUCP>
Organization: FileNet Corp., Costa Mesa, Ca.
Lines: 29

This has been discussed at LEAST 8,000,000 times in the last year
on this newsgroup. PLEASE folks, don't start it again!

.....

To summarize previous discussions on the matter:

There has been much give 'n take on this question and on the more general
one of using the back of single sided disks. The bottom line is no one
knows the risk. It depends on a lot of things like the cleanliness of
your environment, the quality of the disks, the amount of usage, etc.

If you clean your disk drive heads regularly then you will reduce the chance
of damage. If your environment is clean then there will be less dirt in the
jacket to cause trouble.

In any case, the danger is not immediate. It is a cumulative danger both to
the drive head and the diskette. You will have to weigh the cost of
diskettes against the number of backups you keep and the value of your data
to decide whether the gamble is worthwhile for you.

.....

Personally, I use el cheapo diskettes in my Morrow (DSDD). I also keep a
backup of EVERY diskette and I clean the disk drive regularly.

    Art Zemon
    FileNet Corp.
    ...!{ucbvax,decvax}!trwrb!felix!zemon

From -1042346592345057137
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6b2adc4f3e0473d8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 11:24:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadre.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!idis!cadre!geb
From: geb@cadre.UUCP
Newsgroups: net.micro.apple
Subject: mac-info postings
Message-ID: <229@cadre.UUCP>
Date: Fri, 25-May-84 14:24:28 EDT
Article-I.D.: cadre.229
Posted: Fri May 25 14:24:28 1984
Date-Received: Fri, 1-Jun-84 03:23:03 EDT
Organization: Decision Systems Lab., Univ. of Pgh.
Lines: 52

I appreciated getting the ARPA news on the mac. It is interesting
to see the heat and controversy it is generating.

The situation reminds me some of what happened way back in
1978 when I bought my Apple II. At that time a cadre of (largely
hardware) hackers had developed who were running 8080 systems, usually
S-100. In order to sucessfully use a computer at home then, you had
to really understand it and be able to configure the system and
write the software for it yourself, as well as make repairs, since
there were no real dealers.

For the first year or two after the Apple II came out, there was very little
software available (it took a year before even a single disk drive was
available). Many people recommended the TRS-80 because of its HUGE
excess of available software. However, the superiority of Apple features
such as graphics and an open system shifted the balance to Apple's favor
over the next 2 or 3 years.

The other change that the Apple II and the TRS-80 wrought was that
you no longer had to be smart to have a computer. This led to the
flooding of the computer clubs with novices and the driving out of
many of the clubs' founding hackers who got tired of continually
answering the same stupid questions. The moaning we are hearing now
with the advent of the mac is in someways analogous, I think.
The mac is the first computer that is so easy to learn how to use
that almost anyone can do it. I have recommended the Mac to a couple
of people who had a hard time understanding that they had
to press return after issuing an operating system command and
within a day or so they were in love with it, and using it productively.
The brilliance of the mac, I think, is that it adapts the concepts
flowing from the research at Xerox PARC that Xerox failed to market
sucessfully in the Alto, at least at a price that every person can afford.
The melding of a decent processor with intuitive software which can
be manufactured cheaply is Apple's breakthrough. I certainly may not
agree entirely with the present 128K, 1 drive and $2500 price configuration,
but it represents a rational marketing decision and the price will
surely come down if/when production can keep up with demand.
Remembering the Apple II experience, the software will probably
not be voluminous for a year or two, but this is unavoidable.
This is not to say the Mac is the computer for everyone. The BIOS hackers and
hardware folks can still have fun trying to get BSD UNIX up on their
16032 homebrew, but should recognize that it is computers like the
mac that are the likely candidates as a tool for everyman.

I was especially disappointed in Jerry Pournelle's attitude, which
seemed to me short-sighted for a person who professionally looks
toward the future (s-f writer). I hope his negativity is not
reflected so strongly in his BYTE column as to discourage novice
users from buying macs and that future software and hardware developments
will change his mind about the mac.

Well, I've shot off my mouth enough for today...

From 4349845181907704392
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,51685fe7eb32252,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 11:46:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ssc-vax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!tektronix!uw-beaver!ssc-vax!tjj
From: tjj@ssc-vax.UUCP (T J Jardine)
Newsgroups: net.micro.apple
Subject: Pascal 1.2 Upgrade Delivery
Message-ID: <165@ssc-vax.UUCP>
Date: Fri, 25-May-84 14:46:12 EDT
Article-I.D.: ssc-vax.165
Posted: Fri May 25 14:46:12 1984
Date-Received: Sat, 2-Jun-84 09:22:23 EDT
Organization: Boeing Aerospace, Seattle
Lines: 19

After seeing the messages about the upgrade from Apple's UCSD Pascal 1.1
to 1.2, I surveyed the local Apple dealers in the Seattle area and then
sent my diskette and money to the address quoted. The local dealers
were not aware of the upgrade (or at least claimed they were not aware)
as each quoted me the time-worn $250 price for the original purchase.
One Computerland rep even asked me why I would prefer Pascal to BASIC!!
A phone call last Monday to Apple Customer Service got me the news that
the initial distribution of 1.2 has resulted in a recall -- apparently
more bugs than they were happy with had been found. Their indication was
that a revised distribution would be coming out the first week in June.
Thought this latter might be of interest to others who had requested the
upgrade.

Ted Jardine
--
TJ (with Amazing Grace) The Piper
Boeing Computer Services
Artificial Intelligence Center
...uw-beaver!ssc-vax!tjj

From -6341251714820562289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21a37b4e30b1e622,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-25 13:00:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell   )
Newsgroups: net.micro.apple
Subject: JEP vs MAC
Message-ID: <131@analog.UUCP>
Date: Fri, 25-May-84 16:00:37 EDT
Article-I.D.: analog.131

Posted: Fri May 25 16:00:37 1984
Date-Received: Fri, 1-Jun-84 05:00:01 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 44

After reading the recent postings of INFO MAC traffic (for which I thank the poster) I can't help but respond to the tantrums of Jerry Pournelle regarding the Mac. (perhaps at the risk of repeating some things already said.)

Jerry appears to me to have evaluated so many pieces of hardware and software and looked so much at the flaws and problems of everything that comes into his hands, that he is losing the objectivity to see the good points. He is definitely at his best when he is fighting the Good Fight against venal software vendors for shoddy documentation, poor support, intimidating license agreements, and vile copy protection schemes, and I cheer him for those efforts. But it is possible that he has become so negative about the efforts of the industry (or, perhaps, certain players therein) that he is unwilling to see the good in anything as well hyped (and, admittedly, over-hyped) as the Macintosh.

I seem to remember that when the IBM PC first came out (and it was pretty well hyped, too, if I recall correctly), it didn't have very much in the way of either software or peripherals available for it, and IBM was quoted as saying that certain very desirable peripherals, for example, would be supplied by independent manufacturers. Ditto for much of the desirable software. And lo, now 2 years later, that has all come to pass, perhaps with a vengeance. So it isn't very surprising that Apple would do the same sort of thing with the Mac. This sort of thing is common in the entire computer industry (e.g. witness the history of DEC's VAX), and is nothing to get alarmed about, in my opinion, UNLESS the Mac totally bombs commercially.

I think it is significant that Jerry acquired a Mac in the first three months of its existence, but he waited until the PC was about 1.5 years old and had LOTS of hardware add-ons, support, and software available before he bought one and reviewed it. Fairness would dictate that he at least wait a year before seriously reviewing the Mac. Let's compare apples with apples (or with IBM's, on an equal footing).

I really enjoy Jerry's BYTE columns, and read them even when I read nothing else in BYTE. I expect to continue to enjoy them, but I will take what he says with a grain of salt. I will be interested in what he has to say about the Mac in his column, as opposed to what he said in this forum. The question of the hour is, "will he tone it down, any?"

Kim Helliwell
hplabs!analog!kim

From -3985649941280010235
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,473ac4455b12a59f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-26 14:32:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs7!
ee163abs
From: ee163abs@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Apple //e extended 80 col. card
Message-ID: <1241@sdccs7.UUCP>
Date: Sat, 26-May-84 17:32:50 EDT
Article-I.D.: sdccs7.1241
Posted: Sat May 26 17:32:50 1984
Date-Received: Mon, 28-May-84 06:16:00 EDT
Organization: U.C. San Diego, Computer Center
Lines: 12

I have an Apple //e with the Standard 80 col. card. I am thinking of
getting an extended 80 col. card and I would like to have some feedback
on which one I should buy.

By the way, as most of you know, the regular 80 col. card for the //e that Apple
makes is too slow to keep up with 1200 baud modem without a specialized driver
program. Please indicate if you have any knowledge of how quick the
card(s) are.

Thanks,
Ron Breger
(..sdcsvax!sdccs7!ee163abs)

From -4770967419680029241
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c763ac50254bca,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,4c763ac50254bca,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1984-05-26 15:47:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Apple CP/M text editor wanted
Message-ID: <420@ittral.UUCP>
Date: Sat, 26-May-84 18:47:20 EDT
Article-I.D.: ittral.420
Posted: Sat May 26 18:47:20 1984
Date-Received: Fri, 1-Jun-84 21:10:33 EDT
Lines: 12

[]
     I recently purchased a Z-80 card for my Apple //e. It didn't take me

long to realize that ED has to be the *worst* text editor in the world! So my question is this: Are there any good text editors in the public domain? If not, what about commercially available editors? There has to be something better out there somewhere.

While I'm on the subject, is there a good source of public domain software somewhere? Any info is much appreciated.

Doug Hall
...ittvax!ittral!hall

From -622779648216213638
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,66a26cf072ec0656,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-28 11:24:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Wordstar with Dot Matrix Printers - (nf)
Message-ID: <2424@harpo.UUCP>
Date: Mon, 28-May-84 14:24:11 EDT
Article-I.D.: harpo.2424
Posted: Mon May 28 14:24:11 1984
Date-Received: Fri, 1-Jun-84 00:06:02 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8

#N::37600007:000:339
!bob   May 28 14:23:00 1984

Can anyone tell me how to bury control characters in a Wordstar file to control the various special features of a dot matrix printer such asdownloadable character sets, double size printing, character width etc.? There are four control characters associated with User1, User2, Use3, and User4 which allow doing this to a limited extent.

From 6059341845911471294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,66a26cf072ec0656
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-28 12:08:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple

Subject: Wordstar with Dot Matrix Printers - (nf)
Message-ID: <2425@harpo.UUCP>
Date: Mon, 28-May-84 15:08:03 EDT
Article-I.D.: harpo.2425
Posted: Mon May 28 15:08:03 1984
Date-Received: Fri, 1-Jun-84 00:06:15 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 8

#N::37600007:000:339
!bob   May 28 14:23:00 1984

Can anyone tell me how to bury control characters in a Wordstar file to
control the various special features of a dot matrix printer such asdownloadable
character sets, double size printing, character width etc.? There are four
control characters associated with User1, User2, Use3, and User4 which
allow doing this to a limited extent.

From -4915510806244016834
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2738ec021bf7639d
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,2738ec021bf7639d
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,2738ec021bf7639d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-30 07:22:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxa.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!inuxa!tob
From: tob@inuxa.UUCP (T Burger)
Newsgroups: net.micro,net.micro.apple,net.micro.cbm
Subject: Re: Is there a fast High-level language for the 6502?
Message-ID: <283@inuxa.UUCP>
Date: Wed, 30-May-84 10:22:54 EDT
Article-I.D.: inuxa.283
Posted: Wed May 30 10:22:54 1984
Date-Received: Fri, 1-Jun-84 06:26:09 EDT
References: <268@intelca.UUCP>
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 14

There is a fast language for the 6502!!!!!!!

A new language called ACTION! has been developed for the 6502. I have the
version for the ATARI system. The syntax is a cross between C and pascal
with the emphasis on pascal. Some of the nifty things in C are missing
but on the whole the language isn't bad. YES it does compile to native
6502 code, and yes it excutes very fast. The compiler is also very fast
This new language is supposed to be available for the apple machines also.

A rumor abounds that it will be ported to the IBM-PC on its 8088.

If you want a native code for the 6502 check it out.
:q
:wq

From -546615959444612008
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,90f2bc754d78b525
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-30 08:32:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wateng.UUCP
Path: utzoo!watmath!wateng!broehl
From: broehl@wateng.UUCP (Bernie Roehl)
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <1040@wateng.UUCP>
Date: Wed, 30-May-84 11:32:26 EDT
Article-I.D.: wateng.1040
Posted: Wed May 30 11:32:26 1984
Date-Received: Fri, 1-Jun-84 06:32:42 EDT
References: <177@dicomed.UUCP>
Organization: U of Waterloo, Ontario
Lines: 7

I suspect that you won't get many responses re: Unix on a Lisa.
There just weren't all that many Lisas sold, and the intersection
set between Lisa users and netters is likely to be small.
Best of luck, though.

--
        -Bernie Roehl   (University of Waterloo)

From -6471640857744245923
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,96c46f17167e8a9b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-30 10:43:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Macintosh C
Message-ID: <153@mhuxt.UUCP>
Date: Wed, 30-May-84 13:43:44 EDT

Article-I.D.: mhuxt.153
Posted: Wed May 30 13:43:44 1984
Date-Received: Fri, 1-Jun-84 22:21:42 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 9

Manx Software will be releasing their Macintosh C very soon -- they will
now take your name and put it on a mailing list. Does anyone have any
specifics yet? If you want to get on their mailing list try them at:

     (201) 530-7997

                    Steve Crandall
                    ihnp4!mhuxt!evans

From -8388049708625561589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,90f2bc754d78b525
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-05-31 08:25:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cubsvax.UUCP
Path: utzoo!linus!philabs!cmcl2!rocky2!cubsvax!peters
From: peters@cubsvax.UUCP
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <232@cubsvax.UUCP>
Date: Thu, 31-May-84 11:25:57 EDT
Article-I.D.: cubsvax.232
Posted: Thu May 31 11:25:57 1984
Date-Received: Sat, 2-Jun-84 11:46:25 EDT
References: <177@dicomed.UUCP>, <1040@wateng.UUCP>
Organization: Columbia Univ Biology, New York City
Lines: 10

I missed the original news article on this subject, and saw only
a discouraging reply. I know that there *is* a UNIX for the Lisa,
and it comes out of New Jersey. I just looked for the envelope
on which I had (several months ago) scribbled the source, and couldn't
find it. (It may have been purged in a recent cleaning of my desk.)
If the person who was interested is still interested, s/he should
send me mail, and I will get the information and pass it on.

{philabs,cmcl2!rocky2}!cubsvax!peters   Dr. Peter S. Shenkin
Dept of Biol. Sci.; Columbia Univ.; New York, N. Y. 10027; 212-280-5517

From -1154197016291463521
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,473ac4455b12a59f
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10773f,ce7f1c592c99df4f,start
X-Google-Attributes: gid10773f,public
X-Google-ArrivalTime: 1984-05-31 18:23:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!rlgvax!cvl!umcp-cs!james
From: james@umcp-cs.UUCP
Newsgroups: net.micro.apple,sdnet.computing
Subject: Re: Apple //e extended 80 col. card
Message-ID: <7312@umcp-cs.UUCP>
Date: Thu, 31-May-84 21:23:08 EDT
Article-I.D.: umcp-cs.7312
Posted: Thu May 31 21:23:08 1984
Date-Received: Sat, 2-Jun-84 11:42:52 EDT
References: <1241@sdccs7.UUCP>
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 2

The standard //e Extended 80-col card is just
as slow as the regular 80-col card.

From 2162371252955945953
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75a7d66e7a046094
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-31 21:23:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site sdcrdcf.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ihnp4!drutx!houxe!hogpc!houti!
ariel!vax135!floyd!cmcl2!seismo!hao!hplabs!sdcrdcf!darrelj
From: darrelj@sdcrdcf.UUCP
Newsgroups: net.micro.apple
Subject: Re: INFO-MAC Articles - 3 of 8
Message-ID: <1105@sdcrdcf.UUCP>
Date: Fri, 1-Jun-84 00:23:06 EDT
Article-I.D.: sdcrdcf.1105
Posted: Fri Jun 1 00:23:06 1984
Date-Received: Mon, 28-May-84 05:43:48 EDT
References: <370@drutx.UUCP>
Reply-To: darrelj@sdcrdcf.UUCP (Darrel VanBuer)
Organization: System Development Corporation, Santa Monica
Lines: 27

Apparently some (non Mac users) are complaining of a lack of META, ESCAPE
and arrow keys to use with EMACS on a MACterminal. I'm not a macuser, but
I heavily use a similar interface constantly on a Xerox lisp machine.
Emacs is my main editor on VAX unix, and I use it both from ordinary
terminals (so I know and use most of the arcane keybindings) and from a

virtual terminal on Ethernet in a Lisp window. On the Lisp machine I do most of my cursor movements, scrolling, gross positioning and commands with the mouse, not from the keyboard. I move a few characters from the keyboard, anything longer with the mouse, including scrolling (both by number of lines and percent of file). Most of the commands I use are on menus surrounding the "terminal". Emacs has so (damn) many commands to provide lots of flexibility. The mouse subsumes most of them with a small set of paradigms. (By the way, it took only a few dozens of lines of lines of code in each of the Lisp machine and emacs to make it work. The programability of Emacs is quite worthwhile [for wizards, anyway]).

(clue to value of the mouse [to me]: it's got the only uncluttered square foot of surface area in my office)

--
Darrel J. Van Buer, PhD
System Development Corp.
2500 Colorado Ave
Santa Monica, CA 90406
(213)820-4111 x5449
...{allegra,burdvax,cbosgd,hplabs,ihnp4,sdccsu3,trw-unix}!sdcrdcf!darrelj
VANBUER@USC-ECL.ARPA

From -6847080108832473800
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c768b1193f4861a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-01 19:08:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!sdcrdcf!sdcsvax!dcdwest!ittvax!decvax!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: JEP vs MAC
Message-ID: <2644@ecsvax.UUCP>
Date: Fri, 1-Jun-84 22:08:43 EDT
Article-I.D.: ecsvax.2644
Posted: Fri Jun 1 22:08:43 1984
Date-Received: Tue, 5-Jun-84 19:38:25 EDT
References: analog.131
Lines: 7

But the Mac is so damned S L O W ! ! !

D Gary Grady
Duke University Computation Center, Durham, NC 27706
(919) 684-4146
USENET: {decvax,ihnp4,akgua,etc.}!mcnc!ecsvax!dgary

From 4166059333755471044

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c76d627f04c8f4f4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-03 17:05:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Multiplan. - (nf)
Message-ID: <2546@harpo.UUCP>
Date: Sun, 3-Jun-84 20:05:37 EDT
Article-I.D.: harpo.2546
Posted: Sun Jun 3 20:05:37 1984
Date-Received: Tue, 5-Jun-84 20:09:52 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 7

#R:sri-arpa:-30100::37600008:000:151
!bob   Jun 3 20:04:00 1984

edman
I suspect you may be using 60k CPM. Try dropping back to 56 or lower and see
if you still have the problem. I'd be interested in your results.

From 3673979069792336515
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c76d627f04c8f4f4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-03 18:14:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Re: Multiplan. - (nf)
Message-ID: <2547@harpo.UUCP>
Date: Sun, 3-Jun-84 21:14:49 EDT
Article-I.D.: harpo.2547
Posted: Sun Jun 3 21:14:49 1984
Date-Received: Tue, 5-Jun-84 19:56:43 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 7

#R:sri-arpa:-30100::37600008:000:151
!bob   Jun 3 20:04:00 1984

edman
I suspect you may be using 60k CPM. Try dropping back to 56 or lower and see
if you still have the problem. I'd be interested in your results.

From 7998697815512442287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c3f529ebdd0cd8d2
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c3f529ebdd0cd8d2
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15cf62,c3f529ebdd0cd8d2
X-Google-Attributes: gid15cf62,public
X-Google-ArrivalTime: 1984-06-03 22:28:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site cwruecmp.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!decvax!cwruecmp!cmf
From: cmf@cwruecmp.UUCP (Carl Fongheiser)
Newsgroups: net.micro.apple,net.micro,net.rumor
Subject: Re: Apple drives may have more storage?
Message-ID: <1174@cwruecmp.UUCP>
Date: Mon, 4-Jun-84 01:28:45 EDT
Article-I.D.: cwruecmp.1174
Posted: Mon Jun 4 01:28:45 1984
Date-Received: Wed, 6-Jun-84 00:48:58 EDT
References: <1497@sdccs6.UUCP>
Organization: CWRU Computer Engr. Cleveland, Ohio
Lines: 60

There seems to be some confusion (this may be an understatement) about exactly what an Apple disk drive is and what it will do. This may be a bit technical, but here goes...

The mechanics (i.e. head, motors, chassis, etc.) of the Apple drives are equivalent to those of a Shugart SA400. Shugarts were used for a while, but reliability problems started cropping up, and they switched to ALPS drives. In any case, these are your standard, run-of-the-mill, 48 TPI floppy drives. Only 35 out of the 40 available tracks are used, probably because 35 track drives are cheaper, being older. The recording method used is FM. However, they pack 4K on a track, which is the same density as most MFM disks. In fact, if the Apple drive used 40 tracks and both sides (like some of the Rana and other drives), it would have 320K per disk, just like an IBM PC. Now, you may ask, how does the Apple get MFM data density with FM data rates and encoding? The answer is a very clever recording method called MGCR (stands for Modified Group Code Recording). Thanks to some wizardry (no lesser adjective is appropriate) on the part of Steve Wozniak, this is done with a handful of cheap chips (look closely at the Apple controller sometime).

The basic idea involved in FM is to have a stream of clock bits with a stream of data bits interleaved. MFM takes this and fudges with the clock bits (sorry for the lack of technical accuracy, folks), sometimes dropping them altogether in order to fit in the data. On the average, there are more flux changes per unit length, and thus a higher bit density. MGCR takes the data bit stream and breaks it up into 6-bit groups. It maps these groups to 8-bit groups (hence the name "group

code recording") which represent flux changes on the disk. No clock bits are used. Instead, each 8-bit group conforms to a simple set of restrictions regarding number of consecutive 0 bits and others (including the high bit being high (no pun intended)). These restrictions allow the nifto Woz state machine on the controller to keep track of everything and stay synced up. This technique is used for high-density tape drives and on the MAC. In short, it gives you double-density with single-density physical bit density (flux changes per unit length), and hence, greater reliabilty.

It's too bad everyone else uses flakey old MFM. Oh, well.

On the issue of 96 TPI drives, etc.:

The stepper for the head on Apple-compatible drives is controlled directly by the 6502. The existing code in DOS will step at 96 TPI even with a 48 TPI mechanism. Several copy-protection schemes rely on this so-called "half-tracking" ability. In fact, with appropriate incantations, you can step the head at 192 TPI. There's only one small catch: a 48 TPI head is twice as wide as the one on a 96 TPI mechanism. Therefore, a standard Apple drive will not quite handle 96 TPI. A 96 TPI mechanism will. This is the trick by which the Rana and other 96 TPI drives will boot and run 48 TPI (standard) disks without complaining. They look like normal drives, but can handle the higher track density. One wonders why Apple doesn't bring out 80 track, double sided drives. Again, Oh well.

--Clayton Elwell
...!cbosgd!osu-dbs!elwell
despite the address on the header of
this message.

P.S. Flames are welcome, but do not send to cwruecmp!cmf...

From -8532602436467135622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2c6133774f07bb29,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-04 07:40:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!houxz!houxm!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Manx Mac C
Message-ID: <175@mhuxt.UUCP>
Date: Mon, 4-Jun-84 10:40:47 EDT
Article-I.D.: mhuxt.175
Posted: Mon Jun 4 10:40:47 1984
Date-Received: Wed, 6-Jun-84 00:58:20 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 9

<   >
Manx called back with information that they will be releasing their Macintosh C in late July. There will be two versions: a $199 "personal" version and a $500 "commercial" version. They did not go into the differences between the two and promised more information in their mailing. Ring them up at (201) 530-7997 if you want to get on their list.

steve crandall
ihnp4!mhuxt!evans

From -6813741613807840679
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,90f2bc754d78b525
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,90f2bc754d78b525
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,90f2bc754d78b525
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-06-04 08:57:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site teldata.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!cornell!uw-beaver!
teltone!teldata!tac
From: tac@teldata.UUCP ()
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Re: Apple Lisa w/unix info
Message-ID: <368@teldata.UUCP>
Date: Mon, 4-Jun-84 11:57:15 EDT
Article-I.D.: teldata.368
Posted: Mon Jun 4 11:57:15 1984
Date-Received: Wed, 6-Jun-84 04:46:04 EDT
References: <177@dicomed.UUCP>, <1040@wateng.UUCP>
Organization: Teltone Corp., Kirkland, WA
Lines: 19

, (sop to the blank line eaters--consider it a religious sacrifice)

To the fellow who expects no responses I say, "Au Contrair!" A friend here at work and I have each ordered a Lisa 2/10 and Unisoft's Uniplus operating system. His has arrived, mine has not. I did not want to reply to the original posting because the request was for people who already had experience and were running it now. They are out there. I would like to here more about the small systems out there running UNIX, as that is an excellent topic for the net.

From the Soapbox of
Tom Condon   {...!uw-beaver!teltone!teldata!tac}

A Radical A Day Keeps The Government At Bay.

DISCLAIMER: The opinions expressed herein are those of everyone who

matters, but not necessarily anyone you know, and most certainly not
my employers!

From -357539452034729075
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4733f7fd45d0e55f,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,4733f7fd45d0e55f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-04 13:39:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site omsvax.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!houxe!hogpc!houti!ariel!vax135!
cornell!uw-beaver!tektronix!hplabs!intelca!omsvax!danl
From: danl@omsvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Apple dropping Lisa II
Message-ID: <922@omsvax.UUCP>
Date: Mon, 4-Jun-84 16:39:22 EDT
Article-I.D.: omsvax.922
Posted: Mon Jun 4 16:39:22 1984
Date-Received: Wed, 6-Jun-84 07:15:20 EDT
Organization: Intel Corp, Hillsboro, OR
Lines: 21

For what it is worth, in the May 21, 1984 issue of
Information Systems News, there is an article:

"See Apple Dropping Apple III, Lisa II, by Philip J. Gill

  Although the company has officially denied it, some
industry analysts and former Apple Computer Inc. employees
said the Cupertino, Calif., personal computer (PC) maker
plans to abandon its Apple III and Lisa II models in favor
of the newer Macintosh and IIc computers."

  "... Omri Serlin, president of ITOM International Inc., a
Los Altos, Calif., market research firm, ... contends that
from all indications the life of Lisa II is likely to be
a brief one.
  Serlin also noted that Apple is only shipping about 2,000
Lisa units per month, which makes its contribution to revenues
at the $1 billion firm virtually negligible."

Any one want to comment on this?

From -7315573538319641400
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10773f,b55c6ec3c4575437,start
X-Google-Attributes: gid10773f,public
X-Google-Thread: 1622d3,b55c6ec3c4575437,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-04 18:58:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccs6!ir320
From: ir320@sdccs6.UUCP (ir320)
Newsgroups: net.micro.apple,sdnet.computing
Subject: Apple Keyboards
Message-ID: <1525@sdccs6.UUCP>
Date: Mon, 4-Jun-84 21:58:19 EDT
Article-I.D.: sdccs6.1525
Posted: Mon Jun 4 21:58:19 1984
Date-Received: Thu, 7-Jun-84 19:21:53 EDT
Organization: U.C. San Diego, Computer Center
Lines: 10

This is a hardware question. I am trying to add a * REAL * * FULL *
keyboard to my Apple][+. I know there are $300 keyboards available,
but I don't want function keys, etc. I just want a full keyboard
which can plug into the existing Apple keyboard encoder. Is there a
way to use the $40 ascii encoded keyboards with my Apple.

                    Thanks, John Antypas
                ...!noscvax!sdcsvax!sdccs6!ix255
            arpa: sdcsvax!sdccs6!ix255@Berkeley

From -2492743693325444909
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,193114f76a40944f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-05 02:05:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!amd70!dual!proper!ksj
From: ksj@proper.UUCP (Kent Johnson)
Newsgroups: net.micro.apple
Subject: Re: Apple and Lisa 2
Message-ID: <1307@proper.UUCP>
Date: Tue, 5-Jun-84 05:05:56 EDT
Article-I.D.: proper.1307
Posted: Tue Jun 5 05:05:56 1984
Date-Received: Thu, 7-Jun-84 00:46:24 EDT
Organization: Proper UNIX, San Leandro, CA
Lines: 13

<>
It seems to me that as long as a Lisa is needed to do serious Mac
software development, Apple will have to sell and support Lisa.
Any guesses on how long that will be?
Also the literature distributed to prospective Mac developers makes
much of the upgrade path to the Lisa and the extra installed base

available to compatible programs, indicating that they plan to
continue the product.
Why make a major upgrade of the product if it will be continued?
Besides, the price/performance is finally getting interesting.

--Kent Johnson
  {ucbvax,amd70,zehntel,unisoft}!dual!proper!ksj

From 111424536504791907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,473ac4455b12a59f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-05 15:26:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: Apple //e extended 80 col. card
Message-ID: <308@pucc-i>
Date: Tue, 5-Jun-84 18:26:34 EDT
Article-I.D.: pucc-i.308
Posted: Tue Jun 5 18:26:34 1984
Date-Received: Thu, 7-Jun-84 07:07:43 EDT
References: <1241@sdccs7.UUCP>, <7312@umcp-cs.UUCP> <2748@brl-vgr.ARPA>
<287@uwvax.ARPA>
Organization: Purdue University Computing Center
Lines: 44

> I talked with someone at Apple at Chicago Userfest who said he has
> the new 80 col. ROM in his //e. He didn't seem to think that it speeded
> up display any. I have a friend (a developer) who has the ROM who
> though it speeded
> up scrolling. My friend also said that turning off the
> cursor speeds up display quite a bit (if you look at the ROM code you
> see that the cursor is displayed twice for each character printed).

Why scrolling is slow:

   Turning the cursor on and off is not the problem. That operation takes
only a few microseconds, and you have something like 8.3 milliseconds between
characters at 1200 baud. Besides, when you scroll the screen you are only
worrying about the cursor twice (before and after), just as with any other
output operation to the screen.

   Let's do some arithmetic. To scroll the screen on the Apple, you need
to pick up 1840 memory-mapped characters (23 rows, 80 columns) and move them
to new locations, after which you clear the 24th row to blanks. At the
very least you need 1840 fetches, 1920 stores, and 1920 increment instructions.
On the 1.023-MHz 6502 you have already used up 5.5 milliseconds, which leaves
only 2.8 milliseconds for testing, branching, and recomputing base addresses

along the way. That certainly is not enough time for a "test and branch" after every character.

It might actually be possible if you do some clever loop unrolling, but that is going to take up a LOT of ROM space and it only solves ONE of the problems you have to face in order to function at 1200 baud. What are you going to do about the BELL character, which chews up something like a tenth of a second in buzz loops, just to tweak the speaker occasionally? What are you going to do about form feeds, or their cousins the "clear to end of line" and "clear to end of screen" operations, or the "reverse scroll" operation? The answer is NOT to write faster code.

The answer is to use interrupts, so that you can continue with your scrolling operations and not have to worry about losing incoming characters. You may get a few characters behind while scrolling, but you catch up very quickly when all you have to do is store characters into the text page.

Those bells sound a bit funny when they get interrupted enough times.
--

Dave Seaman "My hovercraft is full of eels."
..!pur-ee!pucc-i:ags

From -3852625696477010386
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4733f7fd45d0e55f
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,4733f7fd45d0e55f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-05 22:11:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!whuxle!
spuxll!ech
From: ech@spuxll.UUCP (Ned Horvath)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple dropping Lisa II
Message-ID: <486@spuxll.UUCP>
Date: Wed, 6-Jun-84 01:11:37 EDT
Article-I.D.: spuxll.486
Posted: Wed Jun 6 01:11:37 1984
Date-Received: Thu, 7-Jun-84 07:03:22 EDT
References: <922@omsvax.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 25

The figures quoted don't make a lot of sense; 2000 units per month at a minimum of $5000/unit equates out to $120 Million/year, hardly a "negligible" fraction of $1 Billion.

On a different level (and I do NOT claim to be a marketing expert!) it seems to me that a decision to kill the LISA II would be SILLY. At 2000 units

a month it is certainly repaying its development cost. Prior to January 24, I would have EXPECTED a discontinuation of the LISA I - too high a price for a "weird" machine (only the PARC freaks could get excited, and they knew it wasn't REALLY a "Dolphin").

But the II's are more machine for less money than the I's, and more to the point, the Macintosh ANCHORS the whole "Apple 32" line. This is even more the case if (as expected) the Mac drops into the $2k range to make room for the "fat mac" around the end of the year.

Where does one go when one outgrows one's Macintosh? The popularity of the Mac makes that question inevitable, and only Apple has an answer today (no doubt I will read in the WSJ tomorrow that Big Blue has announced windowing software for the PC, available 1Q86!).

(*sigh*) oh, damn...to any sensible observer it seems ridiculous that Apple would kill the LISA. Guess that means it's gonna happen any minute...

=Ned=

From -2646590939405238190
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,311f114f838caeda
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-06 02:39:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-eddie.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!mit-eddie!nessus
From: nessus@mit-eddie.UUCP (Doug Alan)
Newsgroups: net.micro.apple
Subject: Re: LL(1) parser for an apple. (are you - (nf)
Message-ID: <2055@mit-eddie.UUCP>
Date: Wed, 6-Jun-84 05:39:36 EDT
Article-I.D.: mit-eddi.2055
Posted: Wed Jun 6 05:39:36 1984
Date-Received: Thu, 7-Jun-84 00:50:56 EDT
References: <3321@fortune.UUCP> <3863@utzoo.UUCP>
Organization: MIT, Cambridge, MA
Lines: 25

> From: henry@utzoo.UUCP
> This is actually an understatement. Error-handling is much
> easier in recursive-descent/LL(1) than in LALR systems like
> yacc.

I find this extremely hard to believe. It is amazingly easy to write a very good error recovery system for an LALR parser. In fact, I was able to write an error recovery system for an LALR Modula 2 parser in less than a day. And not only that, it worked much better than the error recovery in any other compiler I've ever seen. How much easier can you get?

What makes it so easy to do good and easy error recovery systems for
LALR parsers is that you have the parse stack directly available to you
and you can copy it and fiddle with it until you get something that
works. You can't do this with a recursive decent parser. Though, of
course, there are ways of doing error recovery with a recursive decent
parser, I can't imagine that any of them are easier.
--
                    -Doug Alan
                     mit-eddie!nessus
                     Nessus@MIT-MC

                    "What does 'I' mean"?

 __GoOgLE_
X-Google-ArrivalTime: 1984-06-06 03:19:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alice.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!alb
From: alb@alice.UUCP (Adam L. Buchsbaum)
Newsgroups: net.math.stat,net.stat,net.news.group
Subject: Re: net.stat vs. net.math.stat
Message-ID: <2833@alice.UUCP>
Date: Wed, 6-Jun-84 06:19:13 EDT
Article-I.D.: alice.2833
Posted: Wed Jun 6 06:19:13 1984
Date-Received: Thu, 7-Jun-84 07:10:03 EDT
References: <432@whuxle.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 3

net.math.stat is the correct group. If statistics isn't
a branch of mathematics, I don't know what is. Let's not
play ping-pong with group names.

From -4605325035426554988
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21a37b4e30b1e622
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-06 12:54:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uicsl.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!uiucdcs!uicsl!keller
From: keller@uicsl.UUCP
Newsgroups: net.micro.apple
Subject: Re: JEP vs MAC - (nf)
Message-ID: <5800001@uicsl.UUCP>
Date: Wed, 6-Jun-84 15:54:00 EDT
Article-I.D.: uicsl.5800001
Posted: Wed Jun 6 15:54:00 1984
Date-Received: Mon, 11-Jun-84 00:18:36 EDT
References: <131@analog.UUCP>
Lines: 21

Nf-ID: #R:analog:-13100:uicsl:5800001:000:1010
Nf-From: uicsl!keller   Jun 6 14:54:00 1984

#R:analog:-13100:uicsl:5800001:000:1010
uicsl!keller   Jun 6 14:54:00 1984

I spent about 3 hours working with a Mac and cannot see any justification
for characterizing it as slow. The Mac I used belongs to a friend who is
writing his thesis on it and so far he loves it. The only annoyance seems
to be trying to get along with one disk drive. The Mac needs about 270k
worth of system code space on one drive and forces you to do a lot of disk
swapping when changing applications. A second drive cures the problem.
With more memory and double sided drives the Mac won't have the same behavior.

All screen operations are very fast and the inherent CPU power is far
above IBM 8088 based systems. I use a XEROX Dandelion at work and can
say that as a mouse/window based system the Mac is superb. If the $35k
Dandelion had the same price performance ratio I would be delighted.

I am amused by the widespread misunderstanding of the benefits of
the mouse and window interface. A knowledgeable and fast typing UNIX
user can be beat by a knowledgeable mouse/window/menu user any day.

-Shaun

From 7245598603108064176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9db66d72cd86974a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-06 14:47:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!mcnc!ecsvax!bet
From: bet@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple floppy controller
Message-ID: <2676@ecsvax.UUCP>
Date: Wed, 6-Jun-84 17:47:33 EDT
Article-I.D.: ecsvax.2676
Posted: Wed Jun 6 17:47:33 1984
Date-Received: Fri, 8-Jun-84 01:32:47 EDT
Lines: 10

Is this slick, wifty disk drive controller that uses only a few, cheap
chips to blame for the slow access speed of Apple drives? I didn't
really think that much of it on the original Apples, inasmuch as they
were doing an awful lot with just a 6502, but the Macintosh is *just*
as bad! Approx. 20 seconds to load an application! What in the world
it could be doing with all that time is quite beyond me. Could it be
that the Wozniak controller scheme is intrinsically slow for some reason?
Or is there some minor implementation problem here?
                        Bennett Todd
                        ...{decvax,ihnp4,akgua}!mcnc!ecsvax!bet

From 5867733008496300484
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 10773f,512d7cac5c871737,start
X-Google-Attributes: gid10773f,public
X-Google-Thread: 1622d3,512d7cac5c871737,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-06 21:13:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!linus!philabs!cmcl2!seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccs6!ir320
From: ir320@sdccs6.UUCP (ir320)
Newsgroups: sdnet.computing,net.micro.apple
Subject: Apple 2 System for sale $1000/b.o.
Message-ID: <1540@sdccs6.UUCP>
Date: Thu, 7-Jun-84 00:13:43 EDT
Article-I.D.: sdccs6.1540
Posted: Thu Jun 7 00:13:43 1984
Date-Received: Sat, 9-Jun-84 08:31:19 EDT
Organization: U.C. San Diego, Computer Center
Lines: 12

I have an Apple][+ for sale with 2 40 track drives and monitor for
$1000 or best offer. I am moving up to 8" CP/M system, and I'm also
transfering schools and don't want to lug a computer with me.

Comes complete with copies of Aztec C65, UCSD Pascal, UCSD Fortran and
more!

If interested...   Call Richard Stein. (619) 457-5813
or send mail to
               UUCP: ...!noscvax!sdcsvax!sdccs6!ix255
             arpanet: sdcsvax!sdccs6!ix255@Berkeley

From 7553332308765511883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12eaa7,78c9970a1f262963,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 129c11,78c9970a1f262963,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,78c9970a1f262963,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,78c9970a1f262963,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-07 03:26:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!akgua!mcnc!
unc!howell
From: howell@unc.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.trs-80,net.wanted

Subject: WANTED: Apple to TRS communications
Message-ID: <7321@unc.UUCP>
Date: Thu, 7-Jun-84 06:26:48 EDT
Article-I.D.: unc.7321
Posted: Thu Jun 7 06:26:48 1984
Date-Received: Wed, 13-Jun-84 04:55:09 EDT
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 14

I am posting the following for Gil White, from the School of Medicine
here at the University of North Carolina. If you have information
that can be of help please contact him directly at 919-966-3311 or
send me electronic mail and I will hard copy it for him.

Gil White needs software to allow an Apple IIe to communicate (i.e
transfer files) with a TRS-80 model 4(P?). The communication link
is RS232 and the Apple has a Super Serial Card.

Or if you have information on how to run Apple programs on Radio
Shack computers.

Thanks.

From 3576701680002507994
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8330d0f89ab68815,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-07 08:09:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!analog!kim
From: kim@analog.UUCP (Kim Helliwell   )
Newsgroups: net.micro.apple
Subject: MacPaint Discovery
Message-ID: <132@analog.UUCP>
Date: Thu, 7-Jun-84 11:09:54 EDT
Article-I.D.: analog.132
Posted: Thu Jun 7 11:09:54 1984
Date-Received: Sun, 10-Jun-84 00:16:48 EDT
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 17

I recently made a "discovery" about MacPaint which might be appropriate to
share, since it is not mentioned in the manual, and I don't recall seeing
reference to it in any article about MacPaint.

Use the selection rectangle to cut or copy a selection to the clipboard.
Open another selection rectangle and then select the paste function from
the edit menu. The selection that you previously cut will appear in the

new selection rectangle and it will be stretched or compressed to fit the new rectangle's size. Thus, there is an implicit stretching operation performed when pasting to a selected area. Did everyone else already know that??

Kim Helliwell
hplabs!analog!kim

From 3486044030474493450
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4e66e635838dd3f1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-07 09:54:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!cornell!uw-beaver!
tektronix!hplabs!sdcrdcf!sdcsvax!sdccs6!ir320
From: ir320@sdccs6.UUCP (ir320)
Newsgroups: net.micro.apple
Subject: apple keyboards
Message-ID: <1542@sdccs6.UUCP>
Date: Thu, 7-Jun-84 12:54:49 EDT
Article-I.D.: sdccs6.1542
Posted: Thu Jun 7 12:54:49 1984
Date-Received: Sun, 10-Jun-84 00:44:28 EDT
Organization: U.C. San Diego, Computer Center
Lines: 16

 I have found a keyboard which can be attatched to an Apple with little dificulty. In the May 84 Byte Pge. 66 Jameco Electronics is selling a par. Cherry keyboard for $29.95 (I can find a case somewhere) and more than one person I have talked to said if you keep the cable short, you'll have no timing problem. (Even if you did, it's just a small 50 cent fix.) The entire job, keyboard, case, wired cable and apple 16 pin wired connector should take less than an hour so I'm told. Total cost less case $35

John Antypas
UC San DIego

UUCP: ...!noscvax!sdcsvax!sdccs6!ix255
arpanet: sdcsvax!sdccs6!ix255@Berkeley

From -8496143222272169810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,541db45f23dbf4a6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-08 05:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10 5/3/83; site aplvax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
rlgvax!cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Terminal Emulation
Message-ID: <633@aplvax.UUCP>
Date: Fri, 8-Jun-84 08:46:00 EDT
Article-I.D.: aplvax.633
Posted: Fri Jun 8 08:46:00 1984
Date-Received: Sun, 10-Jun-84 00:30:18 EDT
References: <566@sri-arpa.UUCP>
Organization: JHU/Applied Physics Lab, Laurel, MD
Lines: 17

I started off with AE "Pro", but I now use "Softerm II" by Softronics. While AE "Pro" concentrates on macros and file transfer, Softerm concentrates on terminal emulation. They currently support over a dozen different terminal types (including vt102, which gives you char/line insert/delete). It does some uploading and downloading, but the macros are pretty weak. The best thing about it (particularly for Unix work) is that they now have a board that plugs into any slot, and gives you three extra buttons. This means that you never again have to worry about ^L causing your modem program to switch to all upper case, that is done with a combination of one of the new keys and the L. I have had Softerm (in various versions) for over a year now, working at 1200 baud, and have not had any problems. I highly recommend it. (Warning: it is not cheap, I think list is now bordering on $200)

--
eric
...!seismo!umcp-cs!aplvax!eric

From -7200313600223012110
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12eaa7,78c9970a1f262963
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 15f443,78c9970a1f262963
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,78c9970a1f262963
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,78c9970a1f262963
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-08 10:48:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccsu3.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccsu3!
ee171bbr
From: ee171bbr@sdccsu3.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.trs-80,net.wanted
Subject: Re: Implementation of floating point
Message-ID: <1904@sdccsu3.UUCP>

Date: Fri, 8-Jun-84 13:48:13 EDT
Article-I.D.: sdccsu3.1904
Posted: Fri Jun 8 13:48:13 1984
Date-Received: Wed, 13-Jun-84 04:56:02 EDT
References: <7321@unc.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 14

How does one go about implementing floating point functions?
I have written a subset of a compiler and want to add floating point
a floating point library.
The question is- How does one go about implementing floating point
functions.
     I know if you wanted to implement sine, a quick and dirty way
     would be to have a table of values and interpolate those
     values that you didn't have.
     but, NO!!! that is the ignorant way. anyways, please give me
     ideas.
     (a maclaurin series maybe?!?)

N. Flor

From 1067535169671362627
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,3668dedd440882fa,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12eaa7,3668dedd440882fa,start
X-Google-Attributes: gid12eaa7,public
X-Google-Thread: 15517a,3668dedd440882fa,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,3668dedd440882fa,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12c65a,3668dedd440882fa,start
X-Google-Attributes: gid12c65a,public
X-Google-ArrivalTime: 1984-06-08 11:49:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxj.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!houxz!houxm!ihnp4!ihuxj!freak
From: freak@ihuxj.UUCP (C. E. Malloy, III)
Newsgroups:
net.micro.apple,net.micro.atari,net.micro.pc,net.micro.cbm,net.micro.trs-80
Subject: Floppy Disks
Message-ID: <545@ihuxj.UUCP>
Date: Fri, 8-Jun-84 14:49:25 EDT
Article-I.D.: ihuxj.545
Posted: Fri Jun 8 14:49:25 1984
Date-Received: Sat, 9-Jun-84 08:13:27 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 6

I have about 45 floppy disks that I no longer need. Most of them are Dysan
single sided/double density. Others are generic, elephant, etc. They are all

5.25" and I will sell them for $1.25 each. If you are interested, please
send me mail, and I will send them to you where ever you wish.

Clancy Malloy (ihuxj!freak)

From 653778618021421574
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bff6d0d8bb0e9357,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12c65a,bff6d0d8bb0e9357,start
X-Google-Attributes: gid12c65a,public
X-Google-ArrivalTime: 1984-06-08 15:49:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!lanl-a!
unm-cvax!janney
From: janney@unm-cvax.UUCP
Newsgroups: net.micro.apple,net.micro.cbm
Subject: more on compilers for the 6502
Message-ID: <948@unm-cvax.UUCP>
Date: Fri, 8-Jun-84 18:49:27 EDT
Article-I.D.: unm-cvax.948
Posted: Fri Jun 8 18:49:27 1984
Date-Received: Sun, 10-Jun-84 00:16:02 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 61

New information and further reflection have led me to revise my opinion
on the feasibility of Pascal and C compilers for the 6502:

I've recently had the opportunity to play with Turbo Pascal (1.0) on my
father's Z80-based Morrow. Turbo Pascal puts local variables at fixed
addresses: if you turn on the compiler option for recursion it saves
the old values on a stack at the beginning of every call (just the way
you would do in Fortran). The manual implies that this is also
done in the 8088 version. As long as they're going to do it that way,
there's no reason why there shouldn't be a 6502 version also.

Using fixed addresses is a fairly reasonable approach although I think
arrays should be exempted for two reasons:

    You're going to have to calculate addresses anyway

    It is arrays that are going to occupy lots of memory--
    no one is going to declare a hundred different integers.

Furthermore, even allocating local variables on a stack is not as bad
as I originally thought. True, the 6502 will take more instructions than
the Z80 or 6809 BUT--
    the instructions are shorter.

Consider loading the accumulator with a byte from a location on
the run-time stack. Sorry, I'm not familiar with all the assembler
conventions, so the instruction formats may not be quite right.

processor	inst	bytes	cycles	explanation
6502	LDY #offset	2	2	put offset in Y register
	LDA (ind) Y	2	5	address is contents of Y plus contents of a 16-bit word on page 0
Z80	LD A, (IX+d)	3	5	address is contents of IX register plus an offset specified in the instruction
6809	LDA ???	3	5	address is contents of one of several registers plus an offset specified in the instruction. A short form can be used if the offset is 5 bits or less.

Thus the 6502 takes 4 bytes and 7 cycles where the other cpu's take 3 and 5.
This is a noticeable difference, but not the factor of 2 or 3 I had
originally suspected. Also, if the needed offset is already in the Y register
it doesn't need to be loaded again: this could be used by the += and
-= operators in C.

The 6502 will be at a disadvantage doing 16-bit arithmetic, since it has no
16-bit instructions. However, the Z80's indexed addressing mode cannot be
used with 16-bit instructions (no 16-bit indexed load).

Conclusion: compiling Pascal or C for the 6502 is difficult but not out of
the question.

Jim Janney
{{convex,ucbvax,gatech}!unmvax, {purdue,lbl-csam,cmcl2}!lanl-a}!unm-cvax!janney

From 6084381170808528567
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,80049e2d9abbe8ca,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 16103e,80049e2d9abbe8ca,start
X-Google-Attributes: gid16103e,public
X-Google-ArrivalTime: 1984-06-08 16:38:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!vax135!floyd!cmcl2!
seismo!hao!hplabs!sdcrdcf!sdcsvax!dcdwest!ittvax!decvax!mcnc!ecsvax!das
From: das@ecsvax.UUCP
Newsgroups: net.micro.ibm,net.micro.apple
Subject: quadlink report
Message-ID: <2690@ecsvax.UUCP>
Date: Fri, 8-Jun-84 19:38:47 EDT

Article-I.D.: ecsvax.2690
Posted: Fri Jun 8 19:38:47 1984
Date-Received: Tue, 12-Jun-84 01:36:19 EDT
Lines: 44

This is a vote in favor of Quadlink and a comment about an apparently undocumented feature.

Our dept recently purchased 3 PC's, keeping in step with the rest of the University. However, we have a very large library of instructional software for the Apple II+, with one machine that has been serving as word processor, db manager, software design facility, and classroom demonstrator. The classroom use often conflicted with the fixed base uses, and we had to decide whether to buy another Apple for that purpose. Since we expect to also use a PC in our classrooms, we opted to put a Quadlink in one PC and not buy another Apple. We won't know how successful this is in the classroom until next fall, but all the good things we read about Quadlink are true. It's very easy to use, and it runs all the Apple stuff we have tried. We had heard it might have difficulty with copy-protected software, but Screenwriter and General Manager work fine on it. The only problem we have had is in reading GM data disks that were written on Apple drives. However, when these disks were copied with the Filer disk that comes with Quadlink onto disks written on the IBM drives (in Apple format, of course), the copies worked fine. And Filer had no trouble reading the originals accurately.

Now the undocumented feature. The QL manual lists control sequences for printing text that are identical to Grappler commands for the Apple (and probably the same as for a lot of other printer interfaces). There is no mention of printing graphics, but we were curious to see what would happen if we tried Apple programs that print graphics with our Grappler - NEC 8023 combination. They worked! Well, almost. The PC's have Epson FX-80 printers, and the Epson aspect ratio requires rotating hi-res pictures, whereas the NEC does better if they are not rotated. But the point is that Quadlink knows the Grappler-Epson graphics commands, even though the manual does not say so. BTW, that manual is really the only weak link in Quadlink. It's not too bad for what it does contain, but it has no index, so it's hard to use as a reference manual. Fortunately it's not needed often. It seems to be written for someone unfamiliar with both the PC and the Apple, but I can't imagine why such a person would buy a Quadlink.

     David A. Smith
     Department of Mathematics
     Duke University
     Durham, NC 27706
     (919) 684-2321
     {decvax,akgua}!mcnc!ecsvax!das

From -8102207906229567736
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,3668dedd440882fa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-09 08:41:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: Notesfiles; site uiucuxc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!uiucdcs!uiucuxc!
rcook
From: rcook@uiucuxc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Floppy Disks - (nf)
Message-ID: <23600008@uiucuxc.UUCP>
Date: Sat, 9-Jun-84 11:41:00 EDT
Article-I.D.: uiucuxc.23600008
Posted: Sat Jun 9 11:41:00 1984
Date-Received: Mon, 11-Jun-84 06:29:44 EDT
References: <545@ihuxj.UUCP>
Lines: 7
Nf-ID: #R:ihuxj:-54500:uiucuxc:23600008:000:253
Nf-From: uiucuxc!rcook   Jun 9 10:41:00 1984

#R:ihuxj:-54500:uiucuxc:23600008:000:253
uiucuxc!rcook   Jun 9 10:41:00 1984

I couldn't figure out how to send you mail, but i would like to buy some of
your diskettes. Would you like a personal check or how would you like to
handle it? I would like about 20 good disks. Please respond to this
message as soon as possible.

From 2326920896481485877
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14bc6d,1e8b0ad934c6c056,start
X-Google-Attributes: gid14bc6d,public
X-Google-Thread: 1622d3,1e8b0ad934c6c056,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-09 15:25:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site kpnoa.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!drutx!houxe!hogpc!houti!ariel!vax135!
floyd!cmcl2!seismo!hao!noao!kpnoa!sharp
From: sharp@kpnoa.UUCP
Newsgroups: net.lang.lisp,net.micro.apple
Subject: Lisp on Apple II/III ?
Message-ID: <351@kpnoa.UUCP>
Date: Sat, 9-Jun-84 18:25:33 EDT
Article-I.D.: kpnoa.351
Posted: Sat Jun 9 18:25:33 1984
Date-Received: Mon, 11-Jun-84 00:36:58 EDT
Organization: Natl. Optical Astronomy Observatories   Tucson AZ USA
Lines: 11

Does anyone know if it is possible to get Lisp for the Apple III ? Since it
can emulate Apple II, that would also be possible. Any information about

possible suppliers/sources or even if it can be done would be welcome.
Answers by mail, please.
--

Nigel Sharp National Optical Astronomy Observatories
Tucson, Arizona (602) 325-9273

UUCP: {akgua,allegra,arizona,decvax,hao,ihnp4,lbl-csam,seismo}!noao!sharp
ARPA: noao!sharp@lbl-csam.arpa

From 5812938583182266853
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,3668dedd440882fa
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 12c65a,3668dedd440882fa
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,3668dedd440882fa
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12eaa7,3668dedd440882fa
X-Google-Attributes: gid12eaa7,public
X-Google-ArrivalTime: 1984-06-09 15:35:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxj.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxj!freak
From: freak@ihuxj.UUCP (C. E. Malloy, III)
Newsgroups: net.micro.apple,net.micro.atari,net.micro.cbm,net.micro.trs-80
Subject: Floppy Disks
Message-ID: <547@ihuxj.UUCP>
Date: Sat, 9-Jun-84 18:35:42 EDT
Article-I.D.: ihuxj.547
Posted: Sat Jun 9 18:35:42 1984
Date-Received: Sun, 10-Jun-84 01:48:06 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 6

I have about 50 5.25 disk that I no longer need. Most of them are Dysan single
sided/double density. Some are elephant, maxell, generic and others.
I will send them anywhere in the U.S. for the small price of $1.25 each.
Either send me mail or post a message to me if you are interested.

Clancy Malloy (ihuxj!freak)

From 5534947903134230210
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,62c67e93e6690a57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-06-09 21:54:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!houxz!vax135!floyd!cmcl2!seismo!
hao!hplabs!sri-unix!gwyn@BRL-VLD.ARPA

From: gwyn@BRL-VLD.ARPA
Newsgroups: net.micro.apple
Subject: Re: WANTED: Apple to TRS communications
Message-ID: <789@sri-arpa.UUCP>
Date: Sun, 10-Jun-84 00:54:06 EDT
Article-I.D.: sri-arpa.789
Posted: Sun Jun 10 00:54:06 1984
Date-Received: Thu, 14-Jun-84 23:46:03 EDT
Lines: 6

From: Doug Gwyn (VLD/VMB) <gwyn@BRL-VLD.ARPA>

You're not going to run Apple programs on Radio Shack computers;
they use different processors and i/o architecture.

Use KERMIT (available from COLUMBIA-20) for file transfer.

From -5078232229468922040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,311f114f838caeda
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 14:42:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!henry
From: henry@utzoo.UUCP (Henry Spencer)
Newsgroups: net.micro.apple
Subject: Re: LL(1) parser for an apple. (are you - (nf)
Message-ID: <3863@utzoo.UUCP>
Date: Wed, 16-May-84 17:42:28 EDT
Article-I.D.: utzoo.3863
Posted: Wed May 16 17:42:28 1984
Date-Received: Wed, 16-May-84 17:42:28 EDT
References: <3321@fortune.UUCP>
Organization: U of Toronto Zoology
Lines: 30

Rob Warnock says, in part:

> It also happens to be the case that IF the grammar is LL(1) or even
> reasonably close, a recursive-descent parser is:
>
> ...
>
> 4. Capable of acceptable error-handling (assuming you want to
>   detect errors, not "fix" them)

This is actually an understatement. Error-handling is much easier in
recursive-descent/LL(1) than in LALR systems like yacc. It is possible
to build an error-handling module which fits between the parser and the
scanner which does all the work. The parser has to be specific about
what it wants -- this just means a slightly unusual-looking "scanner"

interface for the parser -- but the parser then sees a syntactically-
correct program regardless of what the user feeds in. The key feature
of top-down parsing, for this and other purposes, is that the software
"knows what it wants": it has a fairly specific idea of what sort of
input it's expecting at a given instant, and can take intelligent action
if there is a mismatch. Bottom-up methods like yacc don't give you this
sort of detailed context to work in, which is why error repair is such
a headache for them.

The above is not theory; such an error-repair system was built here at
U of T years ago for the SP/k compiler, and several similar things for
other languages have been done since. It really works well.
--
Henry Spencer @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!henry

From -9137547486814687015
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 14:53:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!henry
From: henry@utzoo.UUCP (Henry Spencer)
Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <3864@utzoo.UUCP>
Date: Wed, 16-May-84 17:53:56 EDT
Article-I.D.: utzoo.3864
Posted: Wed May 16 17:53:56 1984
Date-Received: Wed, 16-May-84 17:53:56 EDT
References: <288@sjuvax.UUCP>, <470@spuxll.UUCP>
Organization: U of Toronto Zoology
Lines: 41

spuxll!ech comments:

> What possible reason would you have to USE an LL(k)-based parser generator?
> (given that you can use yacc, that is.) Yacc is based on LALR(1), see
> the paper by Aho and Johnson (Computing Surveys, 1974 -- happy 10th
> anniversary!), and is far and away the easiest tool for HUMANS to use to
> construct parsers; by contrast, LL(1) is much more restrictive, and
> operator precedence is a REAL bear.
>
> Sorry, didn't mean to come on so strong, there. IS there any good reason
> to use any top-down method?

Yes. The *only* thing bottom-up has going for it (aside from being more
"fashionable") is that one can build bottom-up parser generators that
accept a very wide range of grammars and make it very easy to throw a
parser together quickly. This is important, particularly when the parser

is secondary to some other objective, but it isn't everything.

Top-down schemes, in general, can do better error handling/repair (see my other followup for comments on this), are easier to fit semantics into, cope better with situations where odd parsing methods are needed for some special component of the language, and are easier to understand and work with. Their one problem is that it's often harder to cast a given language into a suitable form. Note that there are better ways of specifying top-down parsers than LL(1) grammars: LL(1) grammars are incredibly difficult to come up with, but tables for table-driven analogs to recursive descent are very easy to write. Even so, it's not quite as simple as throwing together a yacc grammar.

In short, top-down methods show up much better when the problem is to write a "production" compiler/whatever and one is willing to expend considerable effort on getting things just right. Bottom-up methods work much better -- **IF** you have yacc or the equivalent already written! -- for quick experimenting and throwing together a parser for a user interface to some other tool.

It is unfortunate that top-down parsing methods are badly neglected in current textbooks and courses.
--
Henry Spencer @ U of Toronto Zoology
{allegra,ihnp4,linus,decvax}!utzoo!henry

From -608220236964106369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,411c5cceb7bd6070,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,411c5cceb7bd6070,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 125017,411c5cceb7bd6070,start
X-Google-Attributes: gid125017,public
X-Google-ArrivalTime: 1984-05-16 19:58:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxj!mhuxi!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.graphics,net.micro.apple,net.micro
Subject: Tektronix 4014 for the Mac
Message-ID: <141@aluxe.UUCP>
Date: Wed, 16-May-84 22:58:39 EDT
Article-I.D.: aluxe.141
Posted: Wed May 16 22:58:39 1984
Date-Received: Thu, 17-May-84 04:51:15 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 23

In the "What's New?" section of the May BYTE I noticed a description of a Tektronix 4014 emulator for the Lisa. Since I have a Mac, I

gave the the people a call and asked if they were doing anything for
the Mac. The answer was a definite YES, and they are hoping to
ship product around July 1. The person I talked with said the emulation
was pretty complete, multiple character sizes e.g., though he mentioned
that dotted lines were too expensive to do at high speeds and were't
implemented. The price wasn't set, but expect $200-$300. For
more info contact:

    Mesa Graphics
    POB 506
    Los Alamos, NM   87544
    (505) 672-1998

Lonnie R. Abelbeck
AT&T Bell Laboratories
mhuxi!aluxe!lra

From -4428631462097847289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,d5db7e1b0032686e,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,fe40208f4384d425
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 22:59:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!cmcl2!lanl-a!unm-cvax!janney
From: janney@unm-cvax.UUCP
Newsgroups: net.micro.apple,net.micro.cbm
Subject: compilers for the 6502
Message-ID: <850@unm-cvax.UUCP>
Date: Thu, 17-May-84 01:59:07 EDT
Article-I.D.: unm-cvax.850
Posted: Thu May 17 01:59:07 1984
Date-Received: Fri, 18-May-84 00:49:15 EDT
Organization: Univ. of New Mexico, Albuquerque
Lines: 66

There have been a number of requests on the net for real (native code) C and
Pascal compilers for the 6502, and a fairly noticeable lack of response.
As it happens, I've been studying the 6502 recently and I've reached a
conclusion that is now ready for beta-testing ("let's throw it onto the
net and watch them kick it apart"), to wit:

    There will never be any good C or Pascal compilers for the 6502.

Before you start organizing the mob of peasants with torches, allow me to
explain. C and Pascal, and other similar languages, make extensive use
of what C calls "automatic" variables. These are variables that are local
to a particular function and have no existence outside it. Space is
allocated for them when the function is entered and released again when

the function is terminated. This is essential for recursion and allows
better use of memory in general.

This causes a problem for the 6502 in that these variables do not
occupy fixed addresses: an address may be different for every call
to the function. The usual solution is to express these addresses
as offsets from an index register: when the function is called, all
you have to do is put the right base address in the register and
the code is ready to run.

Unfortunately, although the 6502 has two 8-bit index registers and a
zillion different ways for clever assembly language programmers to use
them, it doesn't have any 16-bit index registers. So the usual solution
doesn't work, unless you can live with a 256-byte address space.
Worse, there don't seem to be any other good solutions. I will briefly
consider a few possible solutions.

> Fake the automatic variables: use fixed addresses except in recursive
> functions. This requires the compiler to recognise recursive
> functions: easy in Pascal, not always possible in C (consider
> indirect recursion with separate compilation). This loses the
> memory saving of automatic variables and still has to deal
> with recursion somehow.
>
> Fake an index register: construct the address in memory, probably
> on page 0. This is very expensive both in time and instruction
> space. It requires a minimum of one extra instruction for every
> reference to an automatic variable (probably more).
>
> Calculate all the addresses once on entry to the function. This
> is an improvement over the previous scheme, but makes calling
> a function very expensive.
>
> The register approach: put all automatic variables in "registers"
> (fixed locations on page 0) and save all registers before entry
> to a function. This can be improved by keeping a pointer to the
> highest location with a meaningful value, so you don't waste time
> saving garbage. It also makes calling a function expensive,
> depending on the number of local variables it uses.

Note: very little of this applies to arrays, since you have to do address
calculation for them anyway. For the record, the 8080 or 8085 is even
worse off, since it doesn't have all the nifty addressing modes of the 6502.
The Z80 is a different story, since it has two 16-bit index registers.

Sorry this got so long. "There ain't no such animal" propositions are
hard to defend. I am very interested in hearing other people's opinions
on this, especially if someone can refute me. Does anyone know how
Manx C does it?

Jim Janney
{{convex,ucbvax,gatech}!unmvax, {purdue,lbl-csam,cmcl2}!lanl-a}!unm-cvax!janney

From 4179047373688568469
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c65a,d5db7e1b0032686e
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,fe40208f4384d425
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 04:44:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple,net.micro.cbm
Subject: Re: compilers for the 6502
Message-ID: <2124@brl-vgr.ARPA>
Date: Thu, 17-May-84 07:44:44 EDT
Article-I.D.: brl-vgr.2124
Posted: Thu May 17 07:44:44 1984
Date-Received: Fri, 18-May-84 02:14:24 EDT
References: <850@unm-cvax.UUCP>
Organization: Ballistics Research Lab
Lines: 5

Manx C65 allocates automatics off the stack, as usual for C runtime
design. However, they do not use the hardware stack since it is too
limited but instead maintain their own (SP in a known place). This
works just fine, although clearly a better architecture would permit
faster, smaller code.

From -4258770364744257192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,89f77d9bb92ff3c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 05:01:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: More on Fat Mac
Message-ID: <123@mhuxt.UUCP>
Date: Thu, 17-May-84 08:01:46 EDT
Article-I.D.: mhuxt.123
Posted: Thu May 17 08:01:46 1984
Date-Received: Fri, 18-May-84 05:54:15 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 10

<----->

Several people have inquired about the "Fat Mac" article wondering if any

dates were quoted. There is no real indication other than late 84 or into 85. One wonders what the upgrade will cost - will we get soaked, or will it be fairly close to cost?

A question to other Mac owners.. I have heard that an updated MacWrite/ MacPaint is due out about now. Will owners of the old version get a free upgrade, or will it cost us $?

From 7693127482695459181
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6705aaa55defee3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 05:39:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!decwrl!binder@dosadi.DEC
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: Re: Dvorak Keyboard for Apple //e
Message-ID: <265@decwrl.UUCP>
Date: Thu, 17-May-84 08:39:29 EDT
Article-I.D.: decwrl.265
Posted: Thu May 17 08:39:29 1984
Date-Received: Fri, 18-May-84 02:33:13 EDT
Organization: DEC Engineering Network
Lines: 13

I don't know if there is anything built in to support the Dvorak keyboard, but I DO know of one third-party way to get it, and that is to buy Diversi-DOS, whose 64K incarnation allows the user free rein to create keyboard macros totalling 256 characters; one of the files included with Diversi-DOS is a complete remapping of the keyboard for Dvorak. This capability is also available for the Apple][and][+ if there is a language card present. I haven't got the address of the maker (Diversified Software Research, Inc.) handy, but there have been adverts in the magazines recently.

Dick Binder
UUCP: Amorphous, try the return path on this message...
ARPA: binder%dosadi.DEC@decwrl.ARPA

From -1392302989197161342
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6974ad386518161
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 07:17:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)

Newsgroups: net.micro.apple
Subject: Re: The Apple //c"s specs (long)
Message-ID: <276@pucc-i>
Date: Thu, 17-May-84 10:17:19 EDT
Article-I.D.: pucc-i.276
Posted: Thu May 17 10:17:19 1984
Date-Received: Sat, 19-May-84 00:39:36 EDT
References: sri-arpa.654, <416@ittral.UUCP> <2066@brl-vgr.ARPA>
Organization: Purdue University Computing Center
Lines: 20

> You must never have tried to do anything interesting with peripherals
> if you haven't had trouble with the Apple //e 80-column card. It has
> several problems:
>   PR#s where s is not 3 breaks its operation.
>   The scrolling firmware is too slow for 1200baud modems.
>   Wraparound garbages the first column.
> There are other problems but these are indicative.

1. What does PR# mean? (only partly :-))
2. Scrolling and wraparound work just fine if you use interrupts.

Doing interesting things with peripherals and unable to remember seeing
my Apple in 40-column mode.
--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From -1231787932504506975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,53f8fcd1d284dfc8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 08:04:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
noscvax!uhpgvax!islenet!todd
From: todd@islenet.UUCP
Newsgroups: net.micro.apple
Subject: read the fine print...
Message-ID: <429@islenet.UUCP>
Date: Thu, 17-May-84 11:04:43 EDT
Article-I.D.: islenet.429
Posted: Thu May 17 11:04:43 1984
Date-Received: Sat, 19-May-84 00:28:30 EDT
Organization: Islenet Inc., Honolulu
Lines: 6

...on page 51 of the 21 May 1984 issue of TIME magazine. You'll be glad you did. Bravo Apple, for not putting the same boring legal mumbo jumbo everyone else puts in fine print!

Todd Ogasawara -- University of Hawaii -- Dept. of Psychology
{ dual,vortex,uhpgvax }!islenet!todd

From 3745520421094729315
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b52fd002bde75438,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 14:15:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site loral.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccsu3!loral!hlb
From: hlb@loral.UUCP (Howard Brandell)
Newsgroups: net.micro.apple
Subject: apple //e mouse users?
Message-ID: <143@loral.UUCP>
Date: Thu, 17-May-84 17:15:28 EDT
Article-I.D.: loral.143
Posted: Thu May 17 17:15:28 1984
Date-Received: Fri, 18-May-84 07:08:40 EDT
Organization: Loral Instruments, San Diego
Lines: 12

If any one is using a mouse with their Apple //e,
I would like to know what it can be used with
besides the Paint software.

Any other application information would be greatly
appreciated.

Any experience with sound boards for Apple ? Would
like to hear any comments. Thanks in advance.

From 7903320749861527501
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6705aaa55defee3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 14:49:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (Yah Right)
Newsgroups: net.micro.apple
Subject: Re: Dvorak Keyboard for Apple //e
Message-ID: <2804@rabbit.UUCP>
Date: Thu, 17-May-84 17:49:25 EDT
Article-I.D.: rabbit.2804
Posted: Thu May 17 17:49:25 1984

Date-Received: Fri, 18-May-84 07:04:18 EDT
References: <265@decwrl.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 33

There is a simple way to get your keyboard configured anyway you want.

All Apple II series machines handle character output in the following way:

There is a routine in ROM called COUT (CHaracter OUTput). Upon entry to this routine an ASCII value is expected in the A register (accumulator). The routine does a jump to a routine pointed to by locations $36 and $37.

If one changes the bytes at these locations to go to a user routine, it is simple to intercept the character to be printed and change it to something else. A simple way to do this is with the following program:

```
            TAX
            LDA TBL,X
            JMP $FDF0
```

That's it. The actual ASCII value is transferred to the X register and then used as an index to pull the character that you want to see printed in its place, then goes to a routine to print a character to the screen ($FDF0-called COUT1 I think).

An exchange can be done for all keys although problems crop up where the shift key is concerned for Apple II and Apple II+ machines.

If there is sufficient interest, I will be more than happy to implement the above program in a more user friendly environment.

"Sorry, Indy"
Steve Hawley
<allegra,alice>!rabbit!sdh

From -2959716689923915106
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26b610be7a649b8f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 15:44:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site hasmed.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!cbosgd!qusavx!hasmed!bob
From: bob@hasmed.UUCP (bob)
Newsgroups: net.micro.apple
Subject: apple][c bus ?
Message-ID: <108@hasmed.UUCP>
Date: Thu, 17-May-84 18:44:37 EDT

Article-I.D.: hasmed.108
Posted: Thu May 17 18:44:37 1984
Date-Received: Fri, 18-May-84 23:31:02 EDT
Organization: Hamilton's H.A.S, Cincinnati,OH 45239
Lines: 11

Does anyone know if it is possible to get to the bus?
I have not seen any tech stuff on the unit yet but I
know there is a expansion for the disk drive. (# 2 drive)

I want to put some expansion boards on the think and I
need to know what I can get to on the inside...

Bob Hamilton
...!cbosgd!qusavx!hasmed!bob

From -419363799151916814
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e242e60a5efbe387,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 20:04:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!abc
From: abc@brl-tgr.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Inventory Software
Message-ID: <2981@brl-tgr.ARPA>
Date: Thu, 17-May-84 23:04:18 EDT
Article-I.D.: brl-tgr.2981
Posted: Thu May 17 23:04:18 1984
Date-Received: Sat, 19-May-84 00:19:08 EDT
Organization: Ballistics Research Lab
Lines: 14

My wife's elementary school needs a program to run on a IIe
with one or two drives. This program will be used to keep
track of the school's inventory of textbooks used in 5 grades
and kindergarten. All suggestions are welcome, but budgetary
considerations make public domain software particularly
attractive.

Please reply to me or the net.

Thanks,

Brint

abc@brl.arpa

From -3996964073086682488

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6705aaa55defee3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-17 23:54:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!uwvax!neves
From: neves@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: Re: Dvorak Keyboard for Apple //e
Message-ID: <264@uwvax.ARPA>
Date: Fri, 18-May-84 02:54:35 EDT
Article-I.D.: uwvax.264
Posted: Fri May 18 02:54:35 1984
Date-Received: Sat, 19-May-84 00:00:14 EDT
References: <265@decwrl.UUCP> <2804@rabbit.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 10

To quote Feb '83 Byte on the //e.
"A ROM on the main board maps the keyboard-switch closures into the appropriate
ASCII codes and can be changed to provide foreign or special keyboards.
(Incidentally, the American version of the ROM is only half used. The other
half holds a Dvorak keyboard map that can be accessed with a few jumpers
and etch cuts.)"
By the way, does anyone know how get get rid of the n-key rollover bug in
the //e? (The bug is that certain combinations of keys introduced unhit
keys. Like "the" produces "thje".) Would the scan of the keyboard have
to be speeded up or what?

From -3828986079403739727
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26b610be7a649b8f
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-18 06:58:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: apple][c bus ?
Message-ID: <2153@brl-vgr.ARPA>
Date: Fri, 18-May-84 09:58:19 EDT
Article-I.D.: brl-vgr.2153
Posted: Fri May 18 09:58:19 1984
Date-Received: Sat, 19-May-84 01:37:46 EDT
References: <108@hasmed.UUCP>
Organization: Ballistics Research Lab
Lines: 3

The Apple //c is not designed for internal bus expansion; however,
nearly all the traditional bus lines are available on the disk

drive connector.

From 2846124484431791697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e75fe00bb3513bf7,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,e75fe00bb3513bf7,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1984-05-18 14:04:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo 4/10/84; site apollo.uucp
Path: utzoo!watmath!clyde!akgua!sdcsvax!dcdwest!ittvax!decvax!wivax!apollo!nazgul
From: nazgul@apollo.UUCP
Newsgroups: net.lang.c,net.micro.apple
Subject: Aztec C and Rana Elite I disk drives and ORCA/M
Message-ID: <1f6d6285.425@apollo.uucp>
Date: Fri, 18-May-84 17:04:43 EDT
Article-I.D.: apollo.1f6d6285.425
Posted: Fri May 18 17:04:43 1984
Date-Received: Sun, 20-May-84 00:22:14 EDT
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 32

....
    I've been having trouble recently with my C compiler. If I can persuade the linker to work properly the code generated often will just run and then stop. Without ever having printed anything out. I'm running Aztec C65 1.05i, although I'm probably going to order an update soon. Has anyone else had this problem? Does anyone know if it is related to the following question?

    I have a Rana Elite I disk drive (along with a generic half-height drive). Rana provides software to take advantage of the fact that their drive runs considerably faster than most others (my disk speed program rates it at 43 on a scale of -100 to 100, where -5 to 5 is "acceptable"). Since several of the programs I use very often (Aztec C and the ORCA/M assembler) use their own modified versions of DOS, I have been wondering whether I should adjust the speed of the Rana to make it compatable with my other drive. Any ideas? If that seems acceptable, then where is the adjustment!? I took the drive apart, the strobe lines were all there and everything, but I could find no sign of any adjustment screw. Anyone?

    Is anyone out there using the ORCA/M assembler? I have it and am enjoying it, but I understand that there are quite a few bugs hidden around. The only ones I have found are trivial (except for the one that keeps reseting my CPS card to midnight, 2148 AD). Comments?

          F   -kee
          I
        FINGER
          G

E
R

From -8576403205291609547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c3f529ebdd0cd8d2,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c3f529ebdd0cd8d2,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15cf62,c3f529ebdd0cd8d2,start
X-Google-Attributes: gid15cf62,public
X-Google-ArrivalTime: 1984-05-19 16:11:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs6!ix255
From: ix255@sdccs6.UUCP (ix255)
Newsgroups: net.micro.apple,net.micro,net.rumor
Subject: Apple drives may have more storage?
Message-ID: <1497@sdccs6.UUCP>
Date: Sat, 19-May-84 19:11:57 EDT
Article-I.D.: sdccs6.1497
Posted: Sat May 19 19:11:57 1984
Date-Received: Mon, 21-May-84 04:39:56 EDT
Organization: U.C. San Diego, Computer Center
Lines: 11

Rumor is that Apple (most Shugard drives in fact) are capable of
double density recording butr controllers are behind the times. As an
Apple, I would be very interested in drives with 630k/side. (80 tracks,
32 sector/track). Of course I don't expect Apple to tell me about this, so
does anyone out there know of a way (if any) to:
   1 Allow the apple/Quentin/etc. drives to use all 80 tracks
       (its claimed the existing drives can do this now)
   2 Allow the apple to use something called MFM recording

All info is most helpfull.   ..!noscvax!sdcsvax!sdccs6!ix255

From 7720548176083502975
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2738ec021bf7639d,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,2738ec021bf7639d,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,2738ec021bf7639d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-20 09:28:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!hplabs!intelca!glen
From: glen@intelca.UUCP

Newsgroups: net.micro,net.micro.apple,net.micro.cbm
Subject: Is there a fast High-level language for the 6502?
Message-ID: <268@intelca.UUCP>
Date: Sun, 20-May-84 12:28:48 EDT
Article-I.D.: intelca.268
Posted: Sun May 20 12:28:48 1984
Date-Received: Tue, 22-May-84 07:35:41 EDT
Organization: Intel, Santa Clara, Ca.
Lines: 84
Xref: 1472 246 250

Is there any high-level language for a 6502 based machine that
executes the final code quickly and efficiently?

Recent discussions in net.micro.apple and net.micro.cbm seem to indicate:
- No very efficient compilers exist
- It is very difficult to write efficient compilers for the 6502

Most of the compilers for 6502 machines either:
- compile down to an intermediate code which is eventually interpreted
  (For example: Apple Pascal compiles to p-code)
- compile down to 8080/8085/Z80 code and require external hardware
  (For example: Turbo Pascal requires CP/M card)

Neither case is a true, fast 6502 compiler.

Jim Janney writes:

From: janney@unm-cvax.UUCP
Newsgroups: net.micro.apple,net.micro.cbm
Subject: compilers for the 6502
Message-ID: <850@unm-cvax.UUCP>

There have been a number of requests on the net for real (native code) C and
Pascal compilers for the 6502, and a fairly noticeable lack of response.
As it happens, I've been studying the 6502 recently and I've reached a
conclusion that is now ready for beta-testing ("let's throw it onto the
net and watch them kick it apart"), to wit:

    There will never be any good C or Pascal compilers for the 6502.

Before you start organizing the mob of peasants with torches, allow me to
explain. C and Pascal, and other similar languages, make extensive use
of what C calls "automatic" variables. These are variables that are local
to a particular function and have no existence outside it. Space is
allocated for them when the function is entered and released again when
the function is terminated. This is essential for recursion and allows
better use of memory in general.

This causes a problem for the 6502 in that these variables do not
occupy fixed addresses: an address may be different for every call
to the function. The usual solution is to express these addresses
as offsets from an index register: when the function is called, all

you have to do is put the right base address in the register and
the code is ready to run.

Unfortunately, although the 6502 has two 8-bit index registers and a
zillion different ways for clever assembly language programmers to use
them, it doesn't have any 16-bit index registers. So the usual solution
doesn't work, unless you can live with a 256-byte address space.
Worse, there don't seem to be any other good solutions.

...

Jim Janney
{{convex,ucbvax,gatech}!unmvax, {purdue,lbl-csam,cmcl2}!lanl-a}!unm-cvax!janney

One language that seems to be fairly efficient according to net response is
Manx Aztec C. They seem to have circumvented this problem as follows:

Doug Gwyn writes:

From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple,net.micro.cbm
Subject: Re: compilers for the 6502
Message-ID: <2124@brl-vgr.ARPA>

Manx C65 allocates automatics off the stack, as usual for C runtime
design. However, they do not use the hardware stack since it is too
limited but instead maintain their own (SP in a known place). This
works just fine, although clearly a better architecture would permit
faster, smaller code.

****

OK, so Aztec C is fairly efficient, are there any other efficient languages
for the 6502 (besides assembly)? Will there ever be?

{The views expressed are soley my own and not necessarily those of my employer}

^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!cem"@UCB-VAX
\-/   --- stay mellow

From 4445164815234574811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c3784cdba8f22da1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-20 11:21:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1.chuqui 4/7/84; site nsc.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!hplabs!nsc!chuqui
From: chuqui@nsc.UUCP

Newsgroups: net.micro.apple
Subject: Re: THE APPLE IIC!!?!!! HAHA
Message-ID: <947@nsc.UUCP>
Date: Sun, 20-May-84 14:21:38 EDT
Article-I.D.: nsc.947
Posted: Sun May 20 14:21:38 1984
Date-Received: Tue, 22-May-84 01:08:52 EDT
References: <1226@sdccs7.UUCP>
Organization: National Semiconductor, Sunnyvale
Lines: 28

>THE opinion:
>I have read the specs and I personally

>AM NOT IMPRESSED!!!

Well, I have read the specs, and I AM impressed. The only thing it doesn't have is lots of expandability, and I'll bet the disk drive port will give us that some day. I have decided to go ahead and purchase a IIc unless something bad shows up in it before I get to it. I wouldn't consider it if I needed CP/M, a clock or something else that requires a slot but because all I'm really interested in is already available in the back of the machine (printer, modem, mouse, monitor, second disk) I don't care. The minimized chip count should make the stupid thing very reliable, the light weight and small size will help it to fit into my house, the low price (compared to earlier apples -- I had a II+ that was pretty comparable to the IIc and it ran me a good $2800 versus <$1500 today) makes it competitive with things like Commodores even before you thow in available software (Wizardy again! *drool*) and customer support issues.

chuq
If it only had a decent processor. Not that the 6502 sucks or anything....
snicker
--
>From the closet of anxieties of: Chuq Von Rospach
{amd70,fortune,hplabs,ihnp4}!nsc!chuqui (408) 733-2600 x242

How do you know if you're really in love?
Do violins swell when you're touching the one that you're loving?

From -6321781713806590734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,92fda18e9e248acb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-20 20:40:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!cca!ima!haddock!johnl
From: johnl@haddock.UUCP
Newsgroups: net.micro.apple
Subject: University Macintosh info? - (nf)
Message-ID: <170@haddock.UUCP>
Date: Sun, 20-May-84 23:40:00 EDT

Article-I.D.: haddock.170
Posted: Sun May 20 23:40:00 1984
Date-Received: Tue, 22-May-84 07:38:59 EDT
Lines: 10

#N:haddock:21300001:000:268
haddock!johnl   May 19 15:24:00 1984

Does anyone have, or know where I could get, a list of the colleges and
universities that have Macintosh discount deals?

Thanks, as always, in advance.

John Levine, decvax!yale-co!ima!johnl, ucbvax!cbosgd!ima!johnl,
{allegra|ihnp4|amd70}!ima!johnl, Levine@YALE.ARPA

From 9048994048333631710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,89f77d9bb92ff3c1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 03:50:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site denelcor.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!hplabs!hao!denelcor!pking
From: pking@denelcor.UUCP
Newsgroups: net.micro.apple
Subject: Re: More on Fat Mac - MacWrite Update
Message-ID: <442@denelcor.UUCP>
Date: Mon, 21-May-84 06:50:50 EDT
Article-I.D.: denelcor.442
Posted: Mon May 21 06:50:50 1984
Date-Received: Wed, 23-May-84 09:12:55 EDT
References: <123@mhuxt.UUCP>
Organization: Denelcor, Aurora, CO
Lines: 13

==========

     For the update, just go to your Apple
     dealer. They have the "New System Disk",
     which contains the updated MacWrite, the
     Disc Copy program, and some other stuff.
     They will make a copy of this for you,
     provided you bring in your own disc.

          P. King (...hao!denelcor!pking)

==========

From 7957815658061406189

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98703fb0912491f8
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,98703fb0912491f8
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,98703fb0912491f8
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-05-21 05:46:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
sdcrdcf!hplabs!intelca!cem
From: cem@intelca.UUCP
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Re: Koala Pad for Sale
Message-ID: <269@intelca.UUCP>
Date: Mon, 21-May-84 08:46:46 EDT
Article-I.D.: intelca.269
Posted: Mon May 21 08:46:46 1984
Date-Received: Wed, 23-May-84 09:29:09 EDT
References: <422@uw-vlsi.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 16
Xref: 1475 249 874

This has been said before but I guess it needs repeating now and then.

Do *NOT* post advertisements on net.micro! net.wanted was specifically
created for this. Net.micro and some others are particularly sensitive
since they also go out on the ARPAnet where it is against ARPA policy
to put any advertisements or solicitations. That means if it happens to
often the link will be cut and a valuable source of information will be
lost. So please do not cc your ad to any news group you think will be
interested, if they want to buy something they will read net.wanted.

              --Chuck

P.S. Sorry about wasting your time reading this but some people never read
     Emily Post for Usenet that is in net.announce.newusers

From -4283457978258809500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,594aad49bd29bca0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 08:43:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 Fluke 1/4/84; site fluke.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!tektronix!uw-beaver!ssc-
vax!fluke!limey
From: limey@fluke.UUCP (Paul Baldock)

Newsgroups: net.micro.apple
Subject: Accounting Program for the IIE
Message-ID: <1225@vax3.fluke.UUCP>
Date: Mon, 21-May-84 11:43:05 EDT
Article-I.D.: vax3.1225
Posted: Mon May 21 11:43:05 1984
Date-Received: Sat, 26-May-84 11:55:18 EDT
Organization: John Fluke Mfg. Co., Everett, WA
Lines: 13

Can anybody help:

I'm looking for an accounting package for the IIE. This is for
a small school to do budgeting, and track expenses and income.

Most programs I've seen don't have the ability to do budgeting, and
tracking actuals against the budget.

Any suggestions?

Paul Baldock @Fluke

From -2488477573603295486
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,521ef4d02d415e35,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 14:25:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs7!ee163ahp
From: ee163ahp@sdccs7.UUCP (GALACTUS)
Newsgroups: net.micro.apple
Subject: Is the saybrook card worth buying?
Message-ID: <1229@sdccs7.UUCP>
Date: Mon, 21-May-84 17:25:08 EDT
Article-I.D.: sdccs7.1229
Posted: Mon May 21 17:25:08 1984
Date-Received: Tue, 22-May-84 19:11:44 EDT
Organization: U.C. San Diego, Computer Center
Lines: 12

I have read, in BYTE, that there is a 68000 co-processor
for the apple II series that runs at max-14.5 mhz
and can support unix.

Besides the lack of software, what are the possible problems
associated with the purchase of such?
Is it better to upgrade my system and buy one of these cards,
or buy a new computer alltogether?

Nick.

From 5513423006378640590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,cc11a11fe04b31d8,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,cc11a11fe04b31d8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 19:49:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro,net.micro.apple
Subject: Mac Finder..etc.. upgrade available FREE
Message-ID: <143@aluxe.UUCP>
Date: Mon, 21-May-84 22:49:15 EDT
Article-I.D.: aluxe.143
Posted: Mon May 21 22:49:15 1984
Date-Received: Tue, 22-May-84 19:13:44 EDT
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 35

The upgrades of MacWrite/MacPaint and the Finder are available from your friendly Apple Computer Dealer. The upgrade is free to those who bring in their old "System Disk", and 2 "Write/Paint" disks. The dealer has a master copy and will do the copying in the store.

Some of the new features are:

New Application.. Disk Copy.. The maximum number of swaps to copy an entire disk has been reduced to four.

New Finder Command.. Set Startup.. you can set up a disk to load and run an application when it is booted, skipping over the Finder.

New Fonts.. A 10-point font size has been added for Geneva and New York fonts. Cairo-18, Los Angeles-12, Los Angeles-24 and New York-36 are new fonts.

MacWrite.. has Superscripts and Subscripts.. yehhh

Make sure you do a (apple)
|
About the Finder..

well.. I won't spoil it

Also, I saw pre-releases of MacTerminal, MacPascal, MacDraw, and MacProject. Will these be out in June?? I hope!!

Lonnie R. Abelbeck

AT&T Bell Laboratories
mhuxi!aluxe!lra

From -848145578914636804
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fe088f5b32bae1c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 20:06:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!seismo!uwvax!anderson
From: anderson@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: 68008 coprocessor board for Apple II
Message-ID: <268@uwvax.ARPA>
Date: Mon, 21-May-84 23:06:24 EDT
Article-I.D.: uwvax.268
Posted: Mon May 21 23:06:24 1984
Date-Received: Thu, 24-May-84 02:13:09 EDT
Organization: U of Wisconsin CS Dept
Lines: 16

<>
I received a product announcement from Stellation Two for a coprocessor
board for the Apple II/IIe using a MC68008 (8-bit data bus version of 68K).
Stellation Two also makes a 6809 coprocessor board, which I have used
quite a bit and am very happy with.

The 68008 board, together with 68K FigForth, is advertised at $169 (!);
$229 with a 6502-to-68000 cross assembler.

This seems like a really cheap way to get your hands on a 68K system,
but it is unclear how useful it would be. The board uses the Apple's
memory and clock so it would not be a real dramatic increase in performance
over the 6502. However, it might be fun to fiddle around with while
waiting for your Mac.

David Anderson (uwvax!anderson)

From 3730744634097967046
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,18e7aa2fe1ab4065,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-21 23:48:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
whuxle!spuxll!ech
From: ech@spuxll.UUCP
Newsgroups: net.micro.apple
Subject: MacFORTH

Message-ID: <476@spuxll.UUCP>
Date: Tue, 22-May-84 02:48:14 EDT
Article-I.D.: spuxll.476
Posted: Tue May 22 02:48:14 1984
Date-Received: Wed, 23-May-84 19:16:02 EDT
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 44

You say you want a development system for the Macintosh, but assembler ain't your style, you don't want to wait 'til 1Q85 for standalone C or Pascal, and MS Basic is such a pig you can't stand it?

Your problems may be behind you: I recently picked up MacFORTH from Creative Solutions, 4801 Randolph Rd., Rockville MD 20852; or get out your VISA or MasterCard and call them at (301) 984-0262.

FORTH is a postfix-polish language; the compiler doesn't do a WHOLE lot beyond lexical analysis; the result is then interpreted by a lightning-fast stack machine emulator. Look for "Starting FORTH" for more language info.

What I got for $150 was MacFORTH level 1; level 2 is due out this month, level 3 next month. Withing a week of ordering I upgraded my license to level 2 -- this is a NICE package. Many of the toolbox goodies are directly accessible in level 1 (including full window and menu control).

Package includes a ~250 page manual, including tutorials that walk you through window and menu creation and management; a batch of demos reminiscent of the early jerq/blit demos (at comparable speed!); an online "getting started" tutorial; and an editor which harnesses the toolbox editor for writing FORTH code. No in-line assembler, but that is due in level 2. (Price $250, or upgrade your level 1 license for the $100 difference). Dealers will have the package soon; in the meantime, they will take VISA or MasterCard orders over the phone and ship UPS the same day (I and a friend each received our orders within 48 hours).

The disk is not copy-protected, but the license says "single CPU." Keep your larceny at bay on this one: these folks have done a NICE job and deserve the bread!

Incidentally, the editor is written in FORTH and can be dumped off to your printer. The source bears a caveat that they use the toolbox "text edit buffer" and scrollbar facilities, but that you use at your own risk; these facilities are not well-documented, but you can dope out a lot by reading the editor code, and they seem to work just fine.

I'd still prefer to have a high-level language, preferably C, but once you get adjusted (or readjusted) to thinking in postfix, FORTH is a convenient medium.

MacFORTH is fast, cheap, versatile, lets you get at the toolbox, and available now. DO IT!

=Ned=

From 4693286711622436399
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,972c116160c1aeaf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-22 06:17:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!ihnp4!zehntel!hplabs!sri-unix!
jeffj@ARDC.ARPA
From: jeffj@ARDC.ARPA
Newsgroups: net.micro.apple
Subject: Apple IIe modem hookup
Message-ID: <1072@sri-arpa.UUCP>
Date: Tue, 22-May-84 09:17:32 EDT
Article-I.D.: sri-arpa.1072
Posted: Tue May 22 09:17:32 1984
Date-Received: Fri, 1-Jun-84 05:46:40 EDT
Lines: 19

From: "Jeffrey J. Josephson" (MISD-MAD) <jeffj@ARDC.ARPA>

Has anyone ever used the Hayes Smartmodem 1200 ? I tried
to but couldn't get it to work. I connected the RS232c cable from
the modem to the Dispatcher, which was placed into slot number 2.
I had pin 4 of the Dispatcher up because the mainframe to which I
will be connected to is 1200 baud. I then turned to page 2-9 of
the Hayes "Smartmodem 1200 Hardware Reference Manual", and tried
the initial checkout. The response should be "ok", but I got
"syntax error". Even though I got this message, I was able to
dial out and hear a computer tone, but unable to received any
prompts from the mainframe. The mainframe is for half duplex.
To dial out I used "AT Ds" and to call the modem typed "PR#2".

Any solution on how to access a computer with this particular modem
and Apple IIe computer will be most helpful.

Send mail to either info-apple@brl-tgr or send it directly to me
using jeffj@ardc.

From 2478291163777471751
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e75fe00bb3513bf7
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12da6b,e75fe00bb3513bf7
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1984-05-22 09:52:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site genrad.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!genrad!al
From: al@genrad.UUCP (Al Gudaitis)
Newsgroups: net.lang.c,net.micro.apple
Subject: Re: Aztec C and Rana Elite I disk drives and ORCA/M

Message-ID: <4014@genrad.UUCP>
Date: Tue, 22-May-84 12:52:56 EDT
Article-I.D.: genrad.4014
Posted: Tue May 22 12:52:56 1984
Date-Received: Wed, 23-May-84 19:31:13 EDT
References: <1f6d6285.425@apollo.uucp>
Organization: GenRad, Bolton, Mass.
Lines: 10

In reference to the Aztec C part of your message:

Aztec's linker (unless they fixed it) has a very annoying bug. It does not know when it has run out of disk space. (Or at least it doesn't say anything about it.) So, it is very possible to get an incomplete compilation. I've had perfectly good programs start up and then seem to die simply because some piece of code that was called did not really exist due to a bad link. Maybe that is your problem. Remember that several large, intermediate files are created during the entire process. Try using a different disk drive for some of your temporary files.

From -6091150958035004286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5cd41d81709e9311,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-22 11:14:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sask.UUCP
Path: utzoo!watmath!clyde!burl!mgnetp!ihnp4!alberta!sask!custead
From: custead@sask.UUCP (Der cuss)
Newsgroups: net.micro.apple
Subject: Help! MAC questions.
Message-ID: <53@sask.UUCP>
Date: Tue, 22-May-84 14:14:14 EDT
Article-I.D.: sask.53
Posted: Tue May 22 14:14:14 1984
Date-Received: Wed, 23-May-84 09:45:29 EDT
Organization: U of Saskatchewan, Canada
Lines: 27

Here is my situation.

I have some 512 x 512 bitmaps which I would like to edit with MacPaint.
The bitmaps are on a VAX. I am using MacTEP 1.8 to talk to the VAX.
It should be possible to download (encoded) 256 x 256 bitmaps to a basic
program which would then graph them. The resulting graph can be
snap-shotted into a macpaint file.
(note: basic => microsoft basic throughout this article)

Is it possible to:

1) Create a Macpaint document file directly from a basic program?
   (This would allow the full 512^2 bitmap to be placed in the file.)

2) Read a Macpaint file from a basic program? (Would like to upload
the bitmaps back to the VAX after editing.)

3) Cut a piece of a Macpaint document that is larger than the
Macpaint window? (I want to use the bitmaps in MacWrite.)
Also, If I could cut and paste bigger than the window, I could
get the 512^2 picture in by doing two 256x512 segments in BASIC,
snap-shotting each, cutting one and pasting it into the other.
(Assuming it could be aligned exactly).

It seems (in Macworld) that people ARE using digitizers to create
MacPaint documents. Would appreciate any ideas on how to accomplish
the above, or suggestions for better ways to do this.

From -3001059767759453323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,c3f529ebdd0cd8d2
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,c3f529ebdd0cd8d2
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15cf62,c3f529ebdd0cd8d2
X-Google-Attributes: gid15cf62,public
X-Google-ArrivalTime: 1984-05-22 13:20:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pur-phy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-
H:Physics:clt
From: clt@pur-phy.UUCP (Carrick Talmadge)
Newsgroups: net.micro.apple,net.micro,net.rumor
Subject: Re: Apple drives may have more storage?
Message-ID: <1337@pur-phy.UUCP>
Date: Tue, 22-May-84 16:20:33 EDT
Article-I.D.: pur-phy.1337
Posted: Tue May 22 16:20:33 1984
Date-Received: Sat, 26-May-84 10:03:43 EDT
References: <1497@sdccs6.UUCP>
Organization: Purdue University Physics Dept.
Lines: 18

The way I understand it the Apple][analog board does use the
MFM recording scheme. Also as Dave Seaman reported, the problem is in
the Tandem drive itself. It can half-track so as to give an appearance
of 80 track drives, but, as I understand it, there are two reasons why
this can't be utilitized to double the amount of info stored on a disk.
First, the width of the track written to disk by the magnetic head is
too wide to allow adjacent half tracks to be written without overlap, and
secondly, even if the magnetic head could produce a sufficiently "thin"
recording track, the head positioning mechanism is not precise enough to
take advantage of it. Some computer manufacturers such as Commodore get
around this by writing more than 16 sectors to disk on the outer tracks,

but this leads to an anoumously high diskette failure rate...

Carrick Talmadge

UUCP: {decvax,ucbvax,harpo,allegra,inuxc,seismo,teklabs}!pur-ee!Physics:clt
INTERNET: clt @ pur-phy.UUCP

From 3924662102377689612
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2738ec021bf7639d
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,2738ec021bf7639d
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,2738ec021bf7639d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-22 21:26:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
cmcl2!seismo!uwvax!reid
From: reid@uwvax.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.cbm
Subject: Re: Is there a fast High-level language for the 6502?
Message-ID: <269@uwvax.ARPA>
Date: Wed, 23-May-84 00:26:48 EDT
Article-I.D.: uwvax.269
Posted: Wed May 23 00:26:48 1984
Date-Received: Sat, 26-May-84 09:59:29 EDT
References: <268@intelca.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 14

I suggest you check out the Action! language available from OSS (Optimized
Software Systems, I think). It was originally written for the Atari 800
(6502) but versions were supposed to become available for the Apple, etc.

It compiles into very fast code, is prodecure-oriented, supports 16-bit
(CARDinal or INTeger) variables as well as 8-bit BYTEs, supports pointers,
arrays, standard I/O package, etc. The only major limitation I have found
is that you can't nest function calls: Call1 (Call2 (X)). And you can'T
recurse. But it sure beats anything else I've seen....

Glenn Reid
...seismo!uwvax!reid

From 6468033345904753790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c58c736de728cb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 02:58:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!Damouth.Wbst@XEROX.ARPA
From: Damouth.Wbst@XEROX.ARPA
Newsgroups: net.micro.apple
Subject: Re: apple drives
Message-ID: <1146@sri-arpa.UUCP>
Date: Wed, 23-May-84 05:58:00 EDT
Article-I.D.: sri-arpa.1146
Posted: Wed May 23 05:58:00 1984
Date-Received: Mon, 28-May-84 05:45:48 EDT
Lines: 70

There are at least two different "apple drives". The old original is a standard Shugart 390 mechanism, with Apple data handling electronics. I believe that the current drives are sourced in the orient, but have no details.

If you have a Shugart drive, you should be able to purchase a service manual directly from Shugart, 475 Oakmead Parkway, Sunnyvale Ca 94086 (408)988-2800. If they don't have a 390 manual, you could also use the manual for a 400, since the mechanism is identical (the 400 has data electronics and a few extra goodies like an index sensor and head lifting solenoid).

First, however, do a few checks:

(1) format a blank disk, write something, and try to read it. If you cannot read it, your problem is NOT alignment (or at least that's not the only problem). You should be able to read your own recently written disks even with badly misaligned heads. if the newly formatted disks read ok and the old ones (or disks written by others) don't work, you can suspect alignment. You need a special disk and an oscilloscope to do alignment the official way, so the manual by itself won't help you much. It shouldn't cost much to get a local service shop to align it for you.

(2) Check that the head is clean. You don't need a manual for this. Remove the cover and large electronics board (be careful with the small connector to the head cable - it's fragile). Lift the hinged pressure pad out of the way, and examine the head. If it looks clean and shiny, leave it alone. If it has visible accumulations of crud, scrub it clean with a Q-Tip and pure isopropyl alcohol. Don't use "rubbing alcohol", vodka, etc. The head cleaning solution sold for cassette tape decks is ok (Radio Shack, etc). Also look at the felt pressure pad. Standard advice is to replace it with a new one. I just lightly scrape the pile surface with a knife edge, which dislodges the accumulated oxide, and I'm still using my original five-year-old pads. The manual claims that after replacing the pad, you should rotate it a few degrees at a time while monitoring read signal strength with an oscilloscope, leaving it in the position that maximizes the read output voltage. Before I noticed that instruction, I had removed and replaced my pads several times without paying any attention to orientation. Since I have never noticed any read errors, I haven't bothered to check the signal strength

and make the ajustment. Maybe I'm lucky, or more likely, the Apple read electronics has a wide latitude and Shugart is being over-conservative.

(3) Check the disk speed. Some utility disks (such as recent versions of LockSmith) include a program to measure and display speed. Alternatively, there is a built-in strobe disk on the motor (at least there is on mine). You simply look at it in flourescent light and adjust until the pattern is stationary with a disk inserted and the head on a center track (a "catalog" command should get the head on the center track). The adjustment screw is on the little motor control board at the back of the drive. It's a typical long skinny 10-turn pot, and is the only ajustment on that board. Speed can be fairly far off before problems occur.

(4) Check the cable and connectors between controller and drive. You could have a broken wire - the exposed cable takes a beating whenever you move things around.

(5) If all the above doesn't fix it, your problem is probably in the Apple electronics, and The Shugart manual won't help. First borrow a good controller board, to isolate the problem to either the controller or the drive (or just interchange drives, if you have two). I have never seen any detailed description of the Apple controller and drive electronics. There is a schematic in the back of the DOS 3.2 manual (and probably the 3.3 manual, although I don't have one handy to check). The book "Beneath Apple DOS" explains in a general way what is going on in the digital stuff, but pays no attention to circuit details. If you want to work blind, first check the ROMS on the controller - they seem to be more fragile than the other chips.

From 7410025497759045782
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ecfd3f6056700f0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 07:47:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!Pace@USC-ECLC.ARPA
From: Pace@USC-ECLC.ARPA
Newsgroups: net.micro.apple
Subject: Prom Blaster for apple II
Message-ID: <1130@sri-arpa.UUCP>
Date: Wed, 23-May-84 10:47:13 EDT
Article-I.D.: sri-arpa.1130
Posted: Wed May 23 10:47:13 1984
Date-Received: Mon, 28-May-84 05:46:50 EDT
Lines: 12

From: Chris <Pace@USC-ECLC.ARPA>

Does anybody know of, or have recommendations for a PROM

burner for an apple II. If you have one or know of a good one
let me know: approx cost, where to get it, and what kinds of prom
chips it will handle (no of pins).

    Thanks in advance,

        Chris.

From -6589792922423729038
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2607129e852eda67,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 1 of 8
Message-ID: <368@drutx.UUCP>
Date: Wed, 23-May-84 11:29:19 EDT
Article-I.D.: drutx.368
Posted: Wed May 23 11:29:19 1984
Date-Received: Sat, 26-May-84 11:17:01 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 345

22-Mar-84 10:22:46-CST,802;000000000000
Return-Path: <@SUMEX-AIM.ARPA:JSMCCLEES@BBNG.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 22 Mar 84 10:22:42-
CST
Received: from BBNG.ARPA by SUMEX-AIM.ARPA with TCP; Thu 22 Mar 84 08:12:27-PST
Date: Thu, 22 Mar 1984 11:13 EST
Message-ID: <JSMCCLEES.12001391635.BABYL@BBNG>
>From: JSMCCLEES@BBNG.ARPA
To: info-mac@SUMEX-AIM.ARPA
Subject: AUC & outright purchasing

A while back there was some talk about the problem of restricting Mac
resales. It was suggested that only a leasing arrangement would legally
inhibit resale of college-bought Macs.

Well, Harvard is now releasing Macs by a system of one-year leases (the
price is ~$1200), after which period the machine does indeed become the
full property of the lessee.

--Mark Eckenwiler
(jsmcclees@bbng)

22-Mar-84 19:13:13-CST,761;000000000000
Return-Path: <@SUMEX-AIM.ARPA:CC.DCL@COLUMBIA-20.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 22 Mar 84 19:13:11-CST
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Thu 22 Mar 84 16:37:22-PST
Date: Thu 22 Mar 84 19:36:15-EST
>From: Don Lanini <CC.DCL@COLUMBIA-20.ARPA>
Subject: A bushel of Apples
To: info-mac@SUMEX-AIM.ARPA

I just heard from a reliable source (whose name was actually Lisa), that a certain eastern university had trouble locating a shipment of Macintoshes. It seems that when the delivery truck arrived at their Computer Center and said they were delivering Apples, they were sent to Food Service. Food Service reportedly accepted the shipment of untold boxes (bushels). :->
/dc

23-Mar-84 11:11:40-CST,1545;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 23 Mar 84 11:11:37-CST
Date: Fri 23 Mar 84 09:01:49-PST
>From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
Subject: West Coast Computer Faire
To: info-mac@SUMEX-AIM.ARPA

Some brief MACnotes from the faire -

o Reportedly, next months BYTE magazine wil have one of those 'do it yourself' articles by Steve CIARCIA on how to upgrade your Macintosh to 512K.

o Creative Solutions was there with there MacForth. It was very impressive, although I don't speak FORTH yet. It is the same 68K FORTH kernel they have supported for 3 years or so on other 68K machines, and appears to have been well ported to the Mac. The speed was impressive. The difference between the level I forth and the level II is that for an extra $100, level II provides an assembler and extended graphics routines. The author said he has been working 20 hour days for the last 3 months getting this product ready. They also offer a 25% educational discount.

o Saw a couple of graphic adventure games - each was interesting. One from PENGUIN is expected out in less than a month.

o Got a good look at MACproject. Was VERY impressed. Seems to do everything you would want a structured graphics program to do. Will be out in the summer. Entering beta test now.

o If you bought Multiplan, be sure to send in your registration card. Microsoft is currently sending out a free update to correct some bugs.

-- Ed

22-Mar-84 09:49:36-CST,964;000000000000
Return-Path: <@SUMEX-AIM.ARPA:donegan@RICE>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 22 Mar 84 09:49:33-CST
Received: from RICE by SUMEX-AIM.ARPA with TCP; Thu 22 Mar 84 06:46:04-PST
Received: by RICE (AA06234); Thu, 22 Mar 84 08:41:40 CST
Date: Thu, 22 Mar 84 08:41:40 CST
>From: Mike Donegan <donegan@RICE>
Message-Id: <8403221441.AA06234@RICE>
To: aronson@cmu-cs-c, info-mac@sumex-aim
Subject: floating point

Mac uses a floating point emulation package which essentially implements full IEEE numerics. It is another implementation of SANE (Standard Apple Numerical Environment) which exists for the Apple III and now the II with Pascal and I suppose LISA as well. The package takes up something like 6K but I don't know about speed. I know our SUNs run floating emulation which is pretty lousy, but Apple has been doing SANE for over 2 years now so they have probably learned some tricks. Still it IS software.

mkd
23-Mar-84 13:44:24-CST,1287;000000000000
Return-Path: <@SUMEX-AIM.ARPA:tecot@cmu-cs-h.arpa>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 23 Mar 84 13:44:18-CST
Received: from CMU-CS-H.ARPA by SUMEX-AIM.ARPA with TCP; Fri 23 Mar 84 11:20:42-PST
Date: 23 Mar 1984 14:17:36-EST
>From: Edward.Tecot at CMU-CS-H
Subject: MacStuff

I am going to try to clear up all that has gone on while I was on spring break:

Apple Pricing : Inside Mac - no comment.
Apple Dealers can get a Macintosh, Imagewriter, MacPaint/Write, Multiplan, and a carrying case all for $1068. The reason the Mac is priced at $2500 is to protect the II/e sales. Prices are expected to come down when Mac Sales slack off.

Colons : The colon is used to separate volume and file name. This is mentioned in the Multiplan manual. As a matter of fact, if you try to edit a file name and put a colon in, it gets translated to a space.

Stretching : The shift key forces proportion, i.e. horizontal, vertical, and diagonal lines, true circles, and movement along one axis. When stretching, where you put the cursor is what counts. Near the middle of a side of the box will

cause one dimensional stretching, near the corners will
provide to dimensions.

_emt
tecot@cmu-cs-h.arpa

23-Mar-84 14:46:57-CST,632;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 23 Mar 84 14:46:52-CST
Date: Fri 23 Mar 84 12:34:46-PST
>From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
Subject: Re: West Coast Computer Faire
To: INFO-MAC@SUMEX-AIM.ARPA
In-Reply-To: Message from "Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>" of Fri 23 Mar 84 09:02:10-PST

Sorry - my message about the structured graphics editor I saw at the West Coast Computer Faire was referring to MACdraw, not MACproject. MACproject is a PERT/CPM type planning program which was shown there, but I didn't see it.

-- Ed

23-Mar-84 19:18:01-CST,3631;000000000000
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 23 Mar 84 19:17:55-CST
Received: from CISL-SERVICE-MULTICS.ARPA by SUMEX-AIM.ARPA with TCP; Fri 23 Mar 84 17:06:46-PST
Received: from HIS-PHOENIX-MULTICS.ARPA by CISL-SERVICE-MULTICS.ARPA dial; 23-Mar-1984 20:02:58-est
Received: from HIS-LA-CP6.ARPA by HIS-PHOENIX-MULTICS.ARPA dial; 23-Mar-1984 18:01:16-mst
Date: Fri, 23 Mar 84 16:36 PST
>From: TRACY TONDRO at HIS-LA-CP6.ARPA
To: INFO-MAC at SUMEX-AIM
Subject: 1/2-meg Lisa

I'm trying to low-ball a Lisa-2 (i.e., get the cheapest model I can) to meet my word-processing needs, with an eye to future use for software development. But I'm having trouble with hardware/software configurations. There seems to be almost no flexibility in the operating system(s) available for the Lisa and Mac.

The basic, stripped-down Lisa-2 comes with "only" 1/2 megabyte of memory. What software can run on this, and under which OS? I hear the Lisa Office System (LisaWrite, LisaDraw, etc.), which "runs under the Lisa OS" (?) won't run with less than a meg. I also hear all Macintosh programs will run on the 1/2-meg Lisa, "under the Macintosh OS" (?). But does this mean the Mac program won't know about the hard disk or the letter-quality printer on my Lisa?

Lists I've seen of 3rd-party software show them as being tied to

either the "Mac OS" or the "Lisa OS"; none on the list I saw
(with about 200 entries) ran on both OSs. This seems strange to
me; given the traditional style of interface between an application
program and the OS, the differences between the Mac OS and the Lisa
OS should be (mostly) transparent to the application program:
   o multi-tasking - A stand-alone program such as a word processor
       shouldn't have any direct need for multi-tasking services.
   o size of memory - Memory-management service calls to the OS
       shouldn't depend on the amount of memory installed in the
       box.
   o size of video bit-map - The way I understand Quikdraw to work,
       the application program should just have a "picture space"
       (or some such term) to work with, and shouldn't care how
       Quikdraw chooses to display this space on the screen.
   o different peripherals - Hasn't Apple yet heard about
       "device independence" for their I/O systems? Seems like
       an application program, such as a word processor, shouldn't
       care if it's sending the text to an Imagewriter or a
       letter-quality printer; the OS should mask the differences
       in the device interfaces. I hear even CP/M supports some
       level of device independence.

Of course, these are traditional notions of what an OS does for you.
Lisa/Mac represent quite a few departures from the traditional notions
of what a computer is. But I sure would hope the Lisa/Mac OS's
would support some kind of decoupling of the application program
from specific hardware configurations.

Any information about the software-OS match-ups supported would
be appreciated.

Also, I hear Apple has conveniently modified the EPROMs on the
Apple (nee Qume) letter-quality printer, so you can't just
plug in an off-the-shelf Qume printer instead of the Apple
printer. Well that's fine for Apple-developed software --
does anybody know if the 3rd-party word processing packages
will support the more common letter-quality printers
(e.g., Brother, Qume, Diablo, NEC, etc)? A cheaper letter-quality
printer would sure help my "billfold blues"!
(Again, is the support for the different printer protocols in
the OS or the application program?!?!)
26-Mar-84 12:38:07-CST,800;000000000000
Return-Path: <@SUMEX-AIM.ARPA:COWER@COLUMBIA-20.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 26 Mar 84 12:38:04-
CST
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Mon 26 Mar 84
10:27:31-PST
Date: Mon 26 Mar 84 13:27:13-EST
>From: Rich Cower <COWER@COLUMBIA-20.ARPA>
Subject: Letter quality
To: info-mac@SUMEX-AIM.ARPA

I am not sure what "letter quality" is, but we found that printing

on the Apple Imagewriter and reducing it down to 90% on a Xerox
machine produces very good looking output. This was after turning on
the high quality option when print was selected on the Mac.
My only gripe about the printing is when in "high quality" mode, those
high quality line feeds at the end of a document are VERY slow.

..Rich Cower@Columbia-20

26-Mar-84 21:06:29-CST,2690;000000000000
Return-Path: <@SUMEX-AIM.ARPA:MOBERLY%hp-thor.csnet@csnet-relay.arpa>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 26 Mar 84 21:06:25-
CST
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Mon 26 Mar 84 18:18:51-PST
Received: by csnet-relay via xhp-labs; 26 Mar 84 20:26 EST
Received: by HP-VENUS id AA23887; Mon, 26 Mar 84 11:43:18 pst
Message-Id: <8403261943.AA23887@HP-VENUS>
Date: Mon 26 Mar 84 11:44:34-PST
>From: MOBERLY%hp-labs.csnet@csnet-relay.arpa
Subject: Macintosh books at the 9th West Coast Computer Faire
To: info-mac%sumex-aim.arpa@csnet-relay.arpa
Cc: moberly@csnet-relay.arpa
Source-Info: From (or Sender) name not authenticated.

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books on Macintosh at the Ninth West Coast Computer Faire

One indication of the success potential of a product is the number of
authors who think they can make a buck writing a book about that
product. There were at least four books on Macintosh already on sale
(with announcements of more to come) at the Ninth West Coast Computer
Faire. Although most of the books seem to be "quickies" that merely
reiterate the standard documentation that comes with a Macintosh, some
seem actually worth buying.

Microsoft Press   (distributed by Simon and Schuster)
     "The Apple Macintosh Book"   <for sale>
          Cary Lu $18.95   320pp.
     "Presentation Graphics on the Apple Macintosh"   <announced>
          Steve Lambert $18.95   256pp.   <May84>
     "Macwork/Macplay"   <announced>
          Lon Poole $18.95   352pp.   <Aug84>
     <book on Microsoft Basic for the Apple Macintosh> <rumor>
          Mitchell Waite
     <another book on basic>   <rumor>
          Mitchell Waite
     <book on Microsoft Word for the Apple Macintosh>   <rumor>
          Mitchell Waite
     <book on Microsoft Multiplan for the Apple Macintosh>
     <rumor>
          Mitchell Waite

Softalk Books
     "Macintosh! Complete"   <for sale>
          Doug Clapp $19.95   ~240pp.

Hayden Books
     "Macintosh Revealed"   <announced>
     "Macintosh Instant Pascal"   <announced>
     "Macbasic Tutor - Volume One"   <announced>
     "Macbasic Tutor - Volume Two"   <announced>
     "Macbasic Programmer's Reference"   <announced>

Reston Computer Group   (a Prentice-Hall Company)
     "Understanding the Macintosh Computer"   <announced>
          Rick Dayton

Sams Books
     "Introducing the Apple Macintosh"   #22361   <for sale>
          Connolly/Lieberman $12.95   ~120pp.
     "Insight to the Apple Macintosh" #22319   <announced>
          ?? $12.95   288pp.

Dilithium Press
     "Presenting the Macintosh"   <for sale>
          Miller/Myers $5.95   116pp.

27-Mar-84 06:33:35-CST,1148;000000000000
Return-Path: <@SUMEX-AIM.ARPA:POURNE@MIT-MC>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 06:33:33-
CST
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 04:25:10-PST
Date: 27 March 1984 07:26-EST
>From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Macintosh books at the 9th West Coast Computer Faire
To: MOBERLY%hp-labs.csnet @ CSNET-RELAY
cc: info-mac @ SUMEX-AIM, moberly @ CSNET-RELAY
In-reply-to: Msg of Mon 26 Mar 84 11:44:34-PST from MOBERLY%hp-labs.csnet at
csnet-relay.arpa

We are informed that the Cary Lu Mac Book was heavily subsidized
by people with big financial stake in high Mac sales, so that
one, at least, can hardly be counted as independent evidence of
future Macsales. There were big Maccrowds around the Macintosh,
though, and we are Mactold that the Macintosh is out macselling
the PCjr.
     At Faire I saw almost not macsoftware. There was
macforth, and bruce tonkin had a nice program demonstrated at
the Workman booth, but outside ot macplan (which has a ghastly
form of maccopy macprotection) I saw maclittle outside software.
Did I macmiss macsomething?

27-Mar-84 06:45:30-CST,979;000000000000
Return-Path: <@SUMEX-AIM.ARPA:POURNE@MIT-MC>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 06:45:28-CST
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 04:35:21-PST
Date: 27 March 1984 07:35-EST
>From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Mac 100 day offer?
To: kato.PA @ PARC-GW
cc: info-mac @ SUMEX-AIM, kalagher @ MITRE
In-reply-to: Msg of 25 Mar 84 22:32:59 PST () from kato.PA at PARC-GW.ARPA

If thaty macraise that price any more, by charging for their
macsoftware for a mac chine that doesn't do bery much anyway,
they'll probably be in mactrouble. I understand the Wall Street
journal is preparing a macevaluation that is not macfavorable
for it as a macbusiness machine. Of course that's correct; it
takes about 40 disk swaps to make a backup, and no business can
operate without safety copies. Even the macforth people had no
second drive (well they had one, but it was a kludge without case.)

From -6713329815004110278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87862a4dbe5bf8ef,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 2 of 8
Message-ID: <369@drutx.UUCP>
Date: Wed, 23-May-84 11:29:22 EDT
Article-I.D.: drutx.369
Posted: Wed May 23 11:29:22 1984
Date-Received: Sat, 26-May-84 11:17:29 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 379

27-Mar-84 12:25:32-CST,1344;000000000000
Return-Path: <@SUMEX-AIM.ARPA:ERIK@SRI-AI.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 12:25:27-CST
Received: from SRI-AI.ARPA by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 09:30:04-PST
Date: Tue 27 Mar 84 09:31:59-PST
>From: ERIK@SRI-AI.ARPA
Subject: Re: Disk naming + copying

To: CAULKINS@USC-ECL.ARPA
cc: info-mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "CAULKINS@USC-ECL.ARPA" of Tue 27 Mar 84 07:35:37-PST

The Finder now has a 50K buffer, worst case, which means that a 400K disk should be copyable in 8 swaps (16 insertions), + a swap to get back the boot disk.

There will also be a single-drive-copy utility which will use a 100K buffer (including the screen) which allows a disk copy in 4 swaps (8 insertions). For copying a small number of files, the Finder will be better, however. For example, copying four 10K files can be done in as little as one disk insertion.

JEP's note about Mac not being a good business machine will be obsoleted by the external disk drive. Since I'm at Apple, I've had a Mac and an external drive for quite a while now, and backing up is trivial. Why all the negative stuff, JEP? Still living in the S100 world? Please go and try one--I think you'll be pleasantly surprised, if you approach it with an open mind.

Bruce
(Erik@SRI-AI)

27-Mar-84 13:19:59-CST,786;000000000000
Return-Path: <@SUMEX-AIM.ARPA:mike@rice.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 13:19:57-CST
Received: from rice.ARPA by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 11:07:55-PST
Received: by rice.ARPA (AA02181); Tue, 27 Mar 84 13:03:12 CST
Date: Tue, 27 Mar 84 13:00:02 CST
>From: Mike Caplinger <mike@rice.ARPA>
Subject: Re: Jerry E. Pournelle
To: info-mac@sumex-aim.ARPA
Message-Id: <mike.518@Dione.rice>

I usually try to avoid public ad hominem remarks, but does everybody else find JEP as obnoxious as I do? Honestly, Jerry, we heard all the Mac prefix jokes we're likely to need already. Please try and use the real English language from here on out. Just because advertising people don't use it is no excuse for us not to.
27-Mar-84 18:05:26-CST,4258;000000000000
Return-Path: <@SUMEX-AIM.ARPA:MOBERLY%hp-thor.csnet@csnet-relay.arpa>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 18:05:19-CST
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 14:31:41-PST
Received: by csnet-relay via xhp-labs; 27 Mar 84 17:19 EST
Received: by HP-VENUS id AA16391; Tue, 27 Mar 84 12:38:34 pst
Message-Id: <8403272038.AA16391@HP-VENUS>
Date: Tue 27 Mar 84 12:39:54-PST
>From: MOBERLY%hp-labs.csnet@csnet-relay.arpa
Subject: Macintosh stuff at the 9th West Coast Computer Faire
To: info-mac%sumex-aim.arpa@csnet-relay.arpa
Cc: moberly@csnet-relay.arpa
Source-Info: From (or Sender) name not authenticated.

Macintosh stuff at the Ninth West Coast Computer Faire

In addition to books on Macintosh for sale at the Ninth West Coast Computer Faire, several other Macintosh and Lisa related products were on display. It seems reasonable to assume that many Lisa related products will be converted to work with Macintosh.

Hardware

Tecmar demonstrated both a ten Mbyte fixed winchester disk system and a dual five Mbyte removable winchester disk system (the obvious fixed/removable combination is also in development). Each system was connected to Macintosh via one of the serial ports. Both are expected to be available by fall and cost slightly over $2K. They announced print buffer and an HPIB-to-AppleBus converter products, but no firm information.

Several Apple Macintosh external disk drive preproduction prototype drives were seen, but none were for being sold.

Several manufacturers (Apple, TNW, Hayes, etc.) demonstrated 300 and/or 1200 baud modem products with MacTerminal.

The Artsci demonstrated their MacPhone product (touchtone, two phone lines, auto dialing, hold button, rate timer, etc.). They said it was completed and awaiting FCC approval.

Software

Several retail/wholesalers were selling Microsoft's MacBasic and Macintosh Multiplan. Several developers demonstrated programs using Instant Pascal (looks fairly fast although the windows may actually make it harder to use). MacProject (very impressive) and MacTerminal were show by various vendors.

Creative Solutions was selling MacForth (level one for $149 and level two for $249). It looks good as a product, but the cost of right-to-execute license may limit potential markets.

A version of Creator/Reporter for the Macintosh was demonstrated at the Workman & Associates booth. Creator is a public domain data base program generator for Microsoft Basic while Reporter is a report program generator.

Penguin Software demonstrated a version of Transylvannia for the Macintosh (Apr84 $34.95). They announced that Graphics

Magician Picture Painter, The Quest, and The Coveted Mirror would be released by summer.

Sir-Tech demonstrated a version of Wizardry for the Macintosh (available soon) and mentioned that several other games which they may convert.

> Parenthetically, most of the interesting animation affects on the Apple II were accomplished via page-flipping between the high resolution screens. Is there any way to change the start of the displayed memory in Macintosh? Is this technique necessary in Macintosh for animation effects?

Artsci mentioned that they will probably convert their Magic Office System to run on Macintosh.

Videx demonstrated their Desktop Calendar (notebook, appointment book, alert, tickle file, calendar, etc.) for the Lisa 2 Office System. One of their people indicated a Macintosh version was in development.

Macintosh Development Team

The following booths had Macintosh Development Team posters indicating that they have a least some level of interest in developing Macintosh related products:

Apple	Sir-Tech
Creative Solutions	Penguin Software
Hayden Books	International Apple Core
Dilithium Press	Call-Apple
Waveform	Softalk
FTL	Pterodactyl
Artsci	TNW
Central Point	MacWorld

27-Mar-84 18:46:14-CST,1517;000000000000
Return-Path: <@SUMEX-AIM.ARPA:STERNLIGHT@USC-ECL.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 27 Mar 84 18:46:12-CST
Received: from USC-ECL.ARPA by SUMEX-AIM.ARPA with TCP; Tue 27 Mar 84 16:25:02-PST
Date: Tue 27 Mar 84 16:25:12-PST
>From: STERNLIGHT <STERNLIGHT@USC-ECL.ARPA>
Subject: Re: Jerry E. Pournelle
To: mike@RICE.ARPA, info-mac@SUMEX-AIM.ARPA
cc: STERNLIGHT@USC-ECL.ARPA
In-Reply-To: Message from "Mike Caplinger <mike@rice.ARPA>" of Tue 27 Mar 84 15:01:47-PST

The thing about Pournelle, whose remarks in general, it seems to me, sometimes reflect lack of information (it`s called being both positive and wrong), is that on the Mac he has, it seems to me, turned nasty. It is my opinion that many of his remarks seem to reflect a lot of anger. Why he should be angry, and at whom isn't clear. As long as he confines it to this bulletin board, each of us can filter what he says through our own opinions. When he starts to put some of the content in his column, he can be damaging. I believe there's something going on; I live near him and offered to let him look at my copy of 'Inside Macintosh' and answer any technical questions(I am an Apple registered developer), giving him my phone number and offering to make myself available at his convenience. He never took me up on the offer, and is still spouting what I see as emotional anti-mac stuff. I dunno, Marty, what do you want to do tonight? --david--

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28-Mar-84 11:55:34-CST,2884;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 11:55:26-CST
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 00:16:01-PST
Date: 28 March 1984 03:17-EST
>From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Jerry E. Pournelle
To: STERNLIGHT @ USC-ECL
cc: info-mac @ SUMEX-AIM, mike @ RICE
In-reply-to: Msg of Tue 27 Mar 84 16:25:12-PST from STERNLIGHT <STERNLIGHT at USC-ECL.ARPA>
ReSent-date: Wed 28 Mar 84 09:04:02-PST

ye flinking gods.
LOVE ME, I am APPLE, and you MUST LOVE ME! Anything less than total devotion shall be punished.

Tell me, MacSir: if I am a business man and I put together a large and important financial model, how shall I save it? How back it up? How many swaps? And if I wish to DO SOMETHING USEFUL, with what do I macDo It?

I am getting damned tired of the MacHype, and especially the kind of crap represented by your comments about my "emotionalism". Anything less than total devotion to the Mac is, I gather, punishable. One does not question the Good Guys.

Well, we have bought a Mac for 3000 bucks, and the documents that explain the error codes and such like for another 150; which is why I had no need to take you up on your macoffer, and besides, I didn't need another dose of machype about how macwonderful it is.

I have yet to get a logical answer to the question of what the computer for the rest of us can DO just now. True: if they can sell enough of them, then the software may appear (assuming the deliberate limits to the machine such as the soldered in 128 k of memory and the single drive and the keyboard with no escape key and no arrow keys and the non-available numeric keypad (not available at our store anyway,

and unimportant; I presume it will come) -- assuming the inherent limits don't stop the software, then if they sell enough of htem it will get written.

A neat job. Like a Hollywood movie. Go to the star and say you have the script; to the director and say you have a star; to the writer and say you have a director; to the money people and say you have star, script, and director; and with luck you will have made it all retroactively true. If you do not bring it off, well...

So Apple treats its customers as venture capitalists, and that's all right; but then they will not listen to any suggestions (you cannot imagine how many PLEADED with them to add another drive, or at least have the extra drive avaialable when it came out) and to keep the price at something reasonable is not within their intent.

Are those facts? Then if it were not an apple product -- if it were IBM -- would you condemn anyone for wondering what all the shouting is about?

Ye immortal gods. Do you wash your own brains, or do you take them to a laundry?

28-Mar-84 12:30:54-CST,1256;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 12:30:51-CST
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 00:21:29-PST
Date: 28 March 1984 03:22-EST
>From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Macintosh stuff at the 9th West Coast Computer Faire
To: MOBERLY%hp-labs.csnet @ CSNET-RELAY
cc: info-mac @ SUMEX-AIM, moberly @ CSNET-RELAY
In-reply-to: Msg of Tue 27 Mar 84 12:39:54-PST from MOBERLY%hp-labs.csnet at csnet-relay.arpa
ReSent-date: Wed 28 Mar 84 09:04:13-PST

1> the Development Team Seminar was useless. More information has been in BYTE than Apple gave at the seminar.

2> Bruce Tonkin wrote the Creator program in his P-basic (which is a preprocessor to microsoft basic). It was about the only application software for Mac I saw other than the two microsoft (multi plan and basic) products.

I had not known Bruce put Creator in public domain. I believe my copy carries a copyright notice. It's not here just now so I can't check.

3> there is a problem with using the data base: namely that saves are slow and backup copies are slow to make. But it does work, and it's fairly impressive.

28-Mar-84 12:54:46-CST,1645;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>

Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 12:54:42-CST
Return-Path: <edhall@rand-unix>
Received: from rand-unix by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 00:27:52-PST
Date: Wednesday, 28 Mar 1984 00:16-PST
To: Jef Poskanzer <Poskanzer.PA@PARC-GW.ARPA>
Cc: Mike Caplinger <mike@RICE.ARPA>, info-mac@SUMEX-AIM.ARPA
Subject: Re: Jerry E. Pournelle
In-reply-to: Your message of 27 Mar 84 11:34:02 PST (Tuesday).
>From: edhall@Rand-Unix
ReSent-date: Wed 28 Mar 84 09:04:30-PST

I wish people would follow the editor's advice and keep ``Is the MacIntosh a useful/bogus machine'' discussions off of INFO-MAC. They are a bit like the anti-UNIX flames that occasionally erupt in UNIX-WIZARDS, and generates no more useful information.

As for Jerry Pournelle, I would hope that someone who has been around as long as he has would have a bit more respect for the purpose of this list: information, not innuendo. The jury is still out as to what kind of technological advance the Mac represents (if any). Right now, those of us with Macs and those of us preparing for Macs want hard data, to see just what we can get this beastie to do. Six months from now we'll all know just how successful our efforts have been.

If you want to argue the relative merits of the MacIntosh as compared to the IBM-PC or the IMSAI 8800, do it in INFO-MICRO where such discussions are more appropriate. Or even better, bite your tongue for a while until the dust clears.

-Ed Hall
The Rand Corporation
1700 Main St.
Santa Monica, CA 90406
(213) 393-0411

28-Mar-84 13:23:52-CST,4028;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 13:23:29-CST
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 00:48:59-PST
Date: 28 March 1984 03:50-EST
>From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Disk naming + copying
To: ERIK @ SRI-AI
cc: info-mac @ SUMEX-AIM, CAULKINS @ USC-ECL
In-reply-to: Msg of Tue 27 Mar 84 09:31:59-PST from ERIK at SRI-AI.ARPA
ReSent-date: Wed 28 Mar 84 09:25:28-PST

When (Real Soon Now) you can GET the external drive (and how much will that cost?) I will be glad to act as if Apple is selling a two-drive systm. At the moment, for completely

unfathomable resons--certainly no one has ever given me a logical explanation other than that by saving some money Apple can pass the savings along to their stockholders, just like IBM does-- the Macintosh is a single drive system.

When the software is out, and the second drive is out, and the extra memory is installed, you are probably talking about a $4000 package. It may be that for that price there is no competitive system, but I thnk I do not _a priori_ accept that.

If the systems documents came with it, one might be able to decide what you could REALLY do with the Mac; but in fact the "development seminar" at the Faire was a , well, I won't say joke, but the kindest words I heard were "waste of my time" (this from a Mac enthusiast). Thus: I don't know whqt you can do with a Mac other than buy a Lisa-2 to keep it company. Lord knows this is a clever deal for Apple; Lisa sales were not very good, so perhaps the Mac can do something to remedy the situation.

None of this is reprehensible. However, I see no reason to pretend that Apple has joined the ranks of the public benefactors, or that we should view this marketing strategy any differently from the way we would view it if IBM or DEC had adopted it.

If IBM had come out with a proprietary operating system, every editor in this field would be screaming at them.

The MacIntosh divides the micro community; there is not even a way to get source code onto it (except through a Lisa). The documents that come with it do not explain the error messages you can get by what seem reasonable operations. Thgere are several ways inadvertantly to lose text or pictures (we lost the pretty picture of the fish when I cut instead of pasted).

I can do four to six page illustrated memos with a Mac. Or with a Flair.

The worst is that there exists a terrific operating system, more or less derived from the dame place that Apple got the ideas for Lisa and Mac. It's the PUBLIC DOMAIN Modula-2 operating system that uses mouse, has integral debugger and real time windows, and does provide a programmer's dream working environment; not only does Macintosh not seem to have made any attempt to interface with that, but I have some evidence that there's not enough information given to allow that to be done.

I want to see the MAC dragged, kicking and screaaming if need be, into the micro world so that it can be source code compatible with text filters, formatters, index systems, editors, and other stuff; why must we always reinvent the wheel? But I see little chance of that.

And the name of that game is MacProfit.

When IBM brings out a proprietary operating system, and isolates their customers from the rest of the micro world. will Apple cheer? (Probably; it also gives Apple a safe niche?)

I know that every time we are divided, we give another rachet to IBM. Theeffect of the Mac may well be to do that

again. WHY COULDN"T IT HAVE MADE SOME PRIVISION FOR SOME
COMMUNICATIONS WITH THE REST OF THE MICRO WORLD? WHY COULDN"T
IT HAVE HAD A , if not standard, then at least not DELIBERATELY
UNSTANDARD keyboard? And so forth. And why must I regard all
these trends as if they were handed down from on high, so that
it is the Sin Against the Holy Spirit to question them?

From 6878473540059431388
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75a7d66e7a046094,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 3 of 8
Message-ID: <370@drutx.UUCP>
Date: Wed, 23-May-84 11:29:28 EDT
Article-I.D.: drutx.370
Posted: Wed May 23 11:29:28 1984
Date-Received: Sat, 26-May-84 11:18:08 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 415

28-Mar-84 13:59:14-CST,3331;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 13:59:05-
CST
Return-Path: <Piersol.Pasa@PARC-MAXC.ARPA>
Received: from PARC-MAXC.ARPA by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 10:51:04-
PST
Date: Wed, 28 Mar 84 10:51 PST
>From: Piersol.Pasa@PARC-MAXC.ARPA
Subject: Re: Jerry E. Pournelle
In-reply-to: "POURNE@MIT-MC.ARPA's message of 28 Mar 84 03:17 EST"
To: Jerry E. Pournelle <POURNE@MIT-MC.ARPA>
cc: STERNLIGHT@USC-ECL.ARPA,Piersol.Pasa@PARC-MAXC.ARPA,Ed Pattermann
 <PATTERMANN@SUMEX-AIM.ARPA>, mike@RICE.ARPA
ReSent-date: Wed 28 Mar 84 11:09:21-PST

Jerry,

We don't want you to become mindless, just reasonable. Everything Apple
has done, for which you are willing to specifically indict them, is
similar to what I've seen on EVERY new machine to come out, unless it
was just a rehash of some older, similar machine.

Sure, you'll get lots of available software if you buy a Kaypro-10, or an IBM PC clone. This is a good reason to buy such a machine. However, this mentality would eventually mean that we'll be using PC clones well past the year 3000!

Macintosh is a NEW machine. This may be the reason why no one wants to hear about its lack of software AT PRESENT. No radically new machine has ever appeared loaded with tons and tons of debugged, excellent software. Why do you insist so vociferously that Macintosh must, or be tossed out the door as useless? This thinking seems deliberately designed to prevent the machine from getting a fair start. Why?

Further, why do you insist that Macintosh be compatible with kluge ideas like arrow keys and Escape keys? This sort of demand mandates that every new machine be compatible with every old interface method that was ever invented. Why not complain about how the IBM PC won't punch and read Hollerith cards and paper tape? Think of all that old batch software you cant use because your home computer doesn't support HASP and JCL! Toss it out, it's useless to everyone.

If Macintosh were designed solely to be a terminal for EMACS, your complaints about keys would have merit. Since it's designed to have its own word processors, though, who cares if there is no arrow key, escape key, or meta key? Not me, nor anyone not intimately associated with using EMACS on his mainframe.

These sorts of ideas, when examined in the cold light of reason, are what are irritating to some of us. Why is it so difficult for you to avoid sweeping statements regarding the usefulness of the machine? Why not use this Bulletin Board as a medium for exchange of facts and suggestions, rather than a podium for opinions which many of the rest of us don't want to be bothered with?

Kurt

P.S.:

"ye flinking gods.
LOVE ME, I am APPLE, and you MUST LOVE ME! Anything less than
total devotion shall be punished"

"   I am getting damned tired of the MacHype, and especially
the kind of crap represented by your comments about my
"emotionalism". Anything less than total devotion to the Mac
is, I gather, punishable. One does not question the Good Guys."

This isn't emotionalism? What is that, reasoned argument and discussion?

K.

P.P.S.:

By the way, I take mine to the laundry. Cleanliness is next to
open-mindedness!

K.

28-Mar-84 19:08:05-CST,17630;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 28 Mar 84 19:07:21-CST
Return-Path: <STERNLIGHT@USC-ECL.ARPA>
Received: from USC-ECL.ARPA by SUMEX-AIM.ARPA with TCP; Wed 28 Mar 84 11:22:20-PST
Date: Wed 28 Mar 84 11:21:24-PST
>From: STERNLIGHT <STERNLIGHT@USC-ECL.ARPA>
Subject: Re: Jerry E. Pournelle
To: POURNE@MIT-MC.ARPA
cc: info-mac@SUMEX-AIM.ARPA, mike@RICE.ARPA, STERNLIGHT@USC-ECL.ARPA
In-Reply-To: Message from "Jerry E. Pournelle <POURNE @ MIT-MC>" of Wed 28 Mar 84 00:17:00-PST
ReSent-date: Wed 28 Mar 84 15:24:30-PST

Apologies in advance for the length of this but Pournelle has escalated
the level of heat in the conversation about the Mac, together with several
offensive personal charges and numerous factual errors, all in the public
domain rather than by private message. The following is a detailed
treatment of his last two messages. I suggest that those who would be
offended, bored, annoyed or otherwise made unhappy or uncomfortable hit
control-o or control-c (or whatever) now. I hope we can 'get off it'
quickly.

1. "ye flinking gods.
LOVE ME, I am APPLE, and you MUST LOVE ME! Anything less than
total devotion shall be punished."

> It seems to me, Jerry, that you made that up. I never suggested
> that attitude towards Apple; in fact I have a number of problems
> of my own with them, but not the ones you complain of.

2. "Tell me, MacSir: if I am a business man and I put
together a large and important financial model, how shall I save
it? How back it up? How many swaps?

> You save it with an outrider disk if you don't like swaps. They
> are shipping NOW. But they add weight to the mac and take up
> space, so those who don't want them can save that, and money, too.
> The author of the Finder is revising it to swap with 100k buffers.
> That will make it copy with far fewer swaps. The size of the disk
> and its rigidity make swaps physically fast and easy.

3. "And if I wish to DO SOMETHING USEFUL, with what do I macDo It?

> You buy software as it becomes available, just like everyone else.

When most machines are new, very little software is available. Lots is coming. Of course you don't buy a Mac for a specific purpose until the software is available. Nobody suggested you do.

4. "I am getting damned tired of the MacHype, and especially the kind of crap represented by your comments about my "emotionalism". Anything less than total devotion to the Mac is, I gather, punishable. One does not question the Good Guys.

This paragraph, and paragraph 1 above convicts you out of your own mouth of emotionalism, if any further proof were needed. Some of us are getting tired of your temper tantrums on a professional medium (info-mac). This isn't a high-school hackers' bulletin board.

5. "Well, we have bought a Mac for 3000 bucks, and the documents that explain the error codes and such like for another 150; which is why I had no need to take you up on your macoffer, and besides, I didn't need another dose of machype about how macwonderful it is.

Since I made my offer to share information and experience with you in sober professional terms, and since you know from our previous conversations that I am a 51-year-old Ph.D. with an M.I.T. computer science background, another tantrum is non-responsive to my offer. For $150 you got detailed explanations of the operating system, how to program and use the internal ROM routines and a lot more than just the 'error codes and such-like', in 3 thick 3-ring binders. How about dealing from the top of the deck in your remarks?

6. "I have yet to get a logical answer to the question of what the computer for the rest of us can DO just now.

Right now it can do Multiplan spreadsheets fairly well, and with a better user interface than any previous version of Multiplan, which is considered by many of us to be one of the two or three best spreadsheet/financial modeling programs around. I don't need to remind you that it was a primitive ancestor of Multiplan called Visicalc that sold thousands of micro-computers in business applications. It can be programmed, for those who wish, in BASIC. Before you dismiss that as derisory, there is already one public domain program, MacTep, which does excellent remote terminal access to micros and mainframes, and operates at pretty high speeds despite its being in an interpreted form of Basic. It can do a very nice job of short (1-6 page) memos and letters. It can allow one to draw useful sketches and charts. It is just getting started; smart college students who are on budgets and in many cases are computer science majors who know, better than you or I, what they are doing are beating down the doors to get the machine. Of course they are getting a promotional price, but their financial resources are also far less than most of us who work for a living. As a professional economist I would have to say that their utility curves (taking

account of their income) at the discounted price are roughly comparable to ours at full price. In other words, they pay less, but they have much less money to spend and so it's a wash.

7. "True: if they can sell enough of them, then the software may appear (assuming the deliberate limits to the machine such as the soldered in 128 k of memory and the single drive and the keyboard with no escape key and no arrow keys and the non-available numeric keypad (not available at our store anyway, and unimportant; I presume it will come) -- assuming the inherent limits don't stop the software, then if they sell enough of them it will get written.

The software is already beginning to appear and a lot is being written right now. Very few serious and substantial software developers are waiting to see 'if they can sell enough of them.' The soldered-in memory is for reliability. Apple conducted tests that convinced them that was in the interests of the users. Too bad if a few hobbyists can't plug chips in and out. Most of us prefer the reliability and Apple's stated plans are for a board swap at a very good price when more memory is available reasonably from at least two sources. Very professional. This isn't a tinkertoy for hobbyists but a serious machine. I don't know about you, but I and most professional knowledge workers also buy annual service contracts and bring our machines into our dealers for repair. We have neither the time nor the inclination to play with our professional tools internals any more than we would fix our own TV set power supplies.

The keyboard is definable in software. In MacTerminal, there is an escape key. It's Microsoft who messed up by not defining one in Basic, not Apple. They also forgot the ASCII delete character in the Basic keyboard, and we both use that to access certain mainframes. But my pre-release version of Macterminal does ASCII delete just fine with Control-Backspace. If you want to complain about Microsoft please join me. There's a perfectly good Microsoft User's Group on Compuserve.

Arrow keys probably come on the numeric keypad. Again that's a cost, size and weight saving for those of us who don't want it. I suspect that arrow keys were deliberately omitted, probably on the orders of Steve Jobs. The mouse/point model allows you to go directly where you want, without typing arrow-arrow-arrow-....
Besides, the machine does have very powerful arrows. They're called scroll bars and they're on the screen. For someone who is often harping on new technology I am surprised you cling to first generation computer interface ideas like arrow keys.

8. "A neat job. Like a Hollywood movie. Go to the star and say you have the script; to the director and say you have a star; to the writer and say you have a director; to the money people and say you have star, script, and director; and with luck you will have made it all retroactively true. If you do

not bring it off, well...

> More Pournelle hype. The analogy doesn't hold, but it sounds good when you're in full flight.

9. "So Apple treats its customers as venture capitalists, and that's all right; but then they will not listen to any suggestions (you cannot imagine how many PLEADED with them to add another drive, or at least have the extra drive available when it came out) and to keep the price at something reasonable is not within their intent.

> No they don't. I don't know anything about suggestions, but with all the money Apple spent and with the future of the company riding on this, you can bet they listened, and decided rationally. They just didn't take your advice, Jerry. Sorry about that, but it's their money where their mouth is, not yours.
>
> A reasonable price is one where you sell a lot of product (that demonstrates that you know the market and it is worth the price to those who buy) and you make a good profit (that demonstrates your ability to stay in business, support your products and develop future ones, and reward your investors (of both money, talent and time)). Nobody is FORCED to buy a Mac. A 'reasonable' price has nothing to do with cost but with value received. If you make a huge profit so much the better. That shows you really know how to deliver value efficiently and will probably be around for a while. Of course I would like a Mac for $1000, or even $100, but that has nothing to do with a fair or reasonable price; just what I'd like.

10. "Are those facts? Then if it were not an apple product -- if it were IBM -- would you condemn anyone for wondering what all the shouting is about?
Ye immortal gods. Do you wash your own brains, or do you take them to a laundry?

> Now that we've seen that your hysterics are not facts, I guess I am willing to be magnanimous and ignore your last sentence. On second thought, no I won't; it's a good example of another regrettable characteristic you have of attacking the intelligence, good faith, bona fides or just plain humanity of those who disagree with you. If you keep it up, you will eventually lose your god-given licence to participate in rational discussion in a free society. It will happen simply: you will just get ignored after a while.

11. "tell me: why is everything:
WILL be; Gonna be; the "new BIOS will"; Tecmar will-- in present tense, what can a business man do (safely) with a Mac?

> see above.

12, "as to the edge of technology, surely you don't believe that there's anything all that unusal in mac and lisa? the modula-2 operating system is public domain and integrates not only graphics but a debugger and editor; real editor.

Now I know you understand bit-mapped displays, mouse/icon technology, the Xerox Star, the Lisp machines, the Alto, and the PERQ. What Apple did is do a subset cheaply and for a large market. And they added a lot of very usable concepts and software (in the Lisa as a 'model'). Some of their software goes far beyond what others have done. So get off it.

13. "It's gonna be; will be; wonderful. Perhaps. I hope so. But for the moment I see a lot of peole with $2500 hangovers wondering what the micro revolution is all about once they tire of drawing pretty pictures.

I guess the pot's half-empty for you. For me it's half full, with software coming and people beating down the doors of their dealers to get a machine that they can sit down and try to their heart's content before committing one thin dime. Have you gone into any Computerlands lately?

14. "WHY is everything so non-standard?

Read Tom Kuhn's book, "The Structure of Scientific Revolutions." The new paradigm has to break down the old, sometimes (intellectually) violently, unless you want to wait until all the old-paradigm people die of old age. It's a new standard, Jerry, and an overt rejection of many of the old ones. The market is saying it's right, so far. Get with the program or you'll get left.

15. "Why can't we get source code into the mac? when will there be REAL compilers for it?

We will. If you are willing to write 'real' Forth, that will be out in April in Mac standalone. Real Pascal about mid-year in learning form, about year-end in software development form. Real Basic now. Microsoft Basic, whatever you think of it, is an industry standard of a kind; it probably runs on more different machines than any other Basic. I moved a lot of my Z80 cp/m basic software over to the Mac in an evening and it works just fine. Real C by December (stand-alone). Real assembler/debugger by July (stand-alone).

16. "why is the operating system hidden (or WILL it be explained, in which case, why WASn'T it?

It was never hidden. May I remind you that it took more than a year (like two to three) for CP/M's internals to be fully understood and the understandable widely-sold books on it came to market just last

year and this year after CP/M had been out for I don't know how long. Many good magazines (and some not-so-good) are still making a living explaining CP/M's internals in article after article. Inside Mac on the other hand, is out a month after the machine's announcement. You bought it; why not read it?

17. "Look, man I conceive it part of my duty in life to keep IBM from taking over the world; but not by acting like they do. I see a machine with limited memory, lots of room for expensive add-ons, and not much more except really nice graphics--that aren't all that much better than others I've seen.

(I won't comment on what I think you think your duty in life is.) 128k plus a lot of very tight system code in 64k of ROM is not enormous memory, but the Mac is the lower end of the product line. A 1 meg Lisa is the top. Haven't seen that range in any other mass marketed machines. Last time I looked, $2500 machines often had only 64k of RAM and often no ROM. So 128k plus 64k is not shoddy, either. Of course more would be better. How much did the IBM PC have when it first came out? 64K? How long did it take to get more?

18."The screen is SMALL, the memory is small, there is no backup capability convenient to the user; or have I missed something? Tell me what. I am more than willing to listen. But what I get is long essays about how obnoxious I am; how I am not a believer and shold be cast into the outer darkness. But not much logic and few answers.

More Pournelle hype. I don't believe anyone wrote long essays on how obnoxious you are; just short comments suggesting you were not playing with a full deck of information and being very emotional for reasons we still don't understand. The screen is, of course, smaller than some and larger than others. It depends on what working distance you like whether it is SMALL, or just smaller, or maybe even small.

We really don't want you in outer darkness. You are a pretty good science-fiction writer, and have a following in your computer columns. All we want is a little balance and realism together with rational discussion instead of flaming and name-calling. Nobody expects you to kiss the hem of Apple's garment. By the same token you might want to stop and think whether when people disagree with you it's because of logic, facts and professional evaluation, not because they watched a television commercial and their brains turned to mud.

19. "Is the answer in all cases "Wait and See?" In which case: what do you think--objectively now--about companies (other than your own) who produce machines and induce people to buy them with the "well, no, it doesn't do much YET, but WOW will it be GREAT when we have enough of your money ..."?

Really, Jerry, you'd make a good populist. Apple never said
that nor is it true. Most of the improved features people
want will come from third party vendors, not Apple. It's
their stated policy. It's what's happening. And it's not
an inducement, nor did anyone ever use it. I bet your comment
sounds really good, though, to those who believe the world is
a conspiracy run by "them."

20. "What have I missed? In all the conversation, I get
nothing to think about; only invective; which leads me to reply
in kind, generating heat but little light.

Now that is pure hyperbole (that's what they taught me to call
bullshit at the London School of Economics). I sent a private
memo to your MIT-MC mailbox with technical comments
and an offer to provide more information.
I hope we can stop now and return to rational discussion.

--david--

From 3507467015958468622
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d3252e37c8e5c3f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 4 of 8
Message-ID: <371@drutx.UUCP>
Date: Wed, 23-May-84 11:29:34 EDT
Article-I.D.: drutx.371
Posted: Wed May 23 11:29:34 1984
Date-Received: Sat, 26-May-84 11:18:50 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 315

16-Apr-84 12:37:50-CST,3101;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 12:37:42-
CST
Return-Path: <jmh@BNL>
Received: from BNL by SUMEX-AIM.ARPA with TCP; Fri 13 Apr 84 18:56:36-PST
Date: 13-Apr-84 21:09:22-EST

>From: jmh@BNL
Subject: Misc. Questions
To: INFO-MAC@SUMEX-AIM
ReSent-date: Mon 16 Apr 84 09:48:12-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

1. Where on Compuserve are the Basic Macintosh Programs stored? What is the procedure for downloading them (What commands will access the specific section of Compuserve)

2. How can you edit a large text file (created with Mbasic), with MacWrite when the Clipboard reports OUT OF HEAP SPACE. I have only been able to edit small text files by sending them to CLIP, then pasting in MACWRITE. Even then, I find unusual trash characters strewn throughout the document.

3. How do you turn a MBASIC text file into an Mbasic program... (ie, you download a basic program, save it into a text file, and want to push it directly into basic (instead of typing it in yourself)) [the solution on the Apple would be to use the exec command]

4. Are there any calls available from Mbasic to put an accesory, such as the clock, at a certain position on the screen.

5. MBASIC bug: Accessories cannot use the cut and paste menu. When Mbasic is loaded, the Mac forgets all disks that is had lying on the desktop Microsoft told me this was done because memory was needed for other things.

6. MacPaint suggestion: Always put Macpaint on a start-up disk (one with the system folder), and run it from that disk... otherwise excessive disk swaps will result, every time you move the picture around, or use the TEXT entry mode.

7. Today, I received a packet from Microsoft which was labelled "Calling ROM Routines. It mentions that the Quickdraw programmers Guide is available from Apple. If you need any specific information on the Quickdraw routines drop me a note, and I will check the packet for information. The subtitles are:

Parameters
    Rectangle
    Cursor
    Pattern
    X,Y Coordinates
    Miscellaneous integers
Functions
    <descriptions of each of the Calls listed in Appendix E of the MBasic manual>

In addition, there is a 32 line terminal emulator called smallterm.bas which

is useful for those who don't want to type in MacTEP... smallterm.bas sets the baud, parity, stop bits, data bits, and goes into terminal mode.

8. I have heard rumors that the 256K chips will be available in June... Has anyone heard similar things?

9. I was told that MacTerminal (originally scheduled to be released in April is not going to be available until June... (this was told to me by a (make that an) Authorized Apple Dealer.

That's all for now... I will appreciate any help you can offer...

Joel M. Heller (jmh@BNL) or (!philabs!sbcs!BNL!jmh)

16-Apr-84 13:17:32-CST,2665;000000000000
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Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 13:17:23-CST
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Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Fri 13 Apr 84 22:16:22-PST
Received: by csnet-relay via xumass-cs; 14 Apr 84 1:15 EST
Date: Fri, 13 Apr 84 08:38 EST
>From: Stephen Vinter <vinter%umass-cs.csnet@csnet-relay.arpa>
To: info-mac%sumex-aim.arpa@csnet-relay.arpa
Subject: Lisa 2 questions
ReSent-date: Mon 16 Apr 84 09:50:44-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I'm in the dark about a number of things concerning the Lisa, and I can't seem to get questions answered elsewhere. Help would be greatly appreciated.

Concerning software:

Are there any good DBMS systems around? LisaList isn't very impressive. How about word processing programs more powerful than LisaWrite? Can they be integrated with the other Lisa office programs (i.e., run concurrently and able to transfer info easily between them)?

What are the improvements expected in the Lisa office programs? I understood that LisaWrite was going to include footnotes. Surely there must be other, more substantial, improvements.

How good is LisaTerminal? What terminals can it emulate?

One problem I noted with an upgraded Lisa I running with a hard disk was than it was very slow to open new files and 'tools' (10-30 seconds). Is any improvement to this problem in sight?

Concerning hardware:

Is there any different between the Lisa II/5 and Lisa II/10 other

than the disk capacity and the hard disk being inside? Is the I/O done any faster?

How much of the 5M with the Lisa II/5 is used to hold the tools, and how much is left over for work space? How significant is the redundancy - in other words, how much space is really available for data files?

The clearest font off the Lisa matrix printer wasn't nearly as clear as what comes off the Epson FX-80. Is it possible to configure the Epson with the Lisa without giving up any printing capabilities? If not, are there other dot-matrix printers other than what comes from Apple that I could use?

Are there any other significant hardware/software problems that I should be aware of (apart from any philosophical differences people may have with the Lisa/Mac approach to computing)? I'm willing to live with the speed difference between the Mac and Lisa, and intend to take advantage of the Mac emulation on the Lisa, but understand that I have to give up multi-tasking to do it.

Steve Vinter

16-Apr-84 13:41:50-CST,1297;000000000000
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Return-Path: <hxo@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Sat 14 Apr 84 10:53:37-PST
Date: 14 Apr 1984 13:47:50-EST
>From: Harry.Orenstein at CMU-CS-SPICE
Subject: Re:Re: Periph. Actually..
ReSent-date: Mon 16 Apr 84 09:51:11-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

In the way of response to Randy Frank's message concerning "How can Davong use the RS-422 port for the hard disk?"... this is simplicity itself, since the Mac is made to be used with central devices on the A-Net. The RS-422 IS the connection to the A-Net (PLEASE, someone correct me if I am wrong, this is what Apple seemed to say when I spoke to them after an on-campus lecture). This means that any device capable of acting as a netted device on A-Net (I assume this is how the Davong unit does it) can be accessed over the net with the proper leading message requesting the hard disk. The real question is.. how fast is it? The RS-422 port has a maximum speed of 1Mbaud and that, combined with the net style data transmission should degrade the effective speed of the hard disk.

Harry O.

16-Apr-84 14:31:42-CST,2031;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>

Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 14:31:31-CST
Return-Path: <Mackey.PA@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Sun 15 Apr 84 21:03:31-PST
Received: from Riesling.ms by ArpaGateway.ms ; 15 APR 84 21:03:56 PST
Date: 15 Apr 84 21:03:51 PST (Sunday)
Subject: Tiring Mouse UI
To: Info-Mac@SUMEX-AIM.ARPA
cc: Mackey.PA@Xerox.ARPA
>From: Kevin <Mackey.PA@Xerox.ARPA>
ReSent-date: Mon 16 Apr 84 09:52:17-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Douglas Engelbart, inventor of the mouse, gave a talk at Xerox PARC a few days ago. He commented on having used LisaDraw, and how tired his right arm became while his left arm dangled uselessly at his side. Around the time the mouse was developed, there was also a "keyset" which had five keys for the left hand to chord. This would let you enter characters that would be treated as commands or text to enter. This is something he is used to.

This illustrated something I don't like about the Lisa and Macintosh user interfaces: they overload the mouse. Most operations are invoked using the mouse, rather than also using function keys. Though there are control keys to invoke some operations, they are hard to remember, are different for each application, and difficult to use since you must press the control key at the same time you press the letter. For instance, while in the Finder, control-I (which is a bit hard to type) does Get Info, while in MacWrite control-I does Italic. Notice also that control-P was not used for Paste since it's so awkward, but instead control-V, which is non-mnemonic.

It seems that Apple became mouse-happy and tried to make it do too much. This may have justified the lack of a row of virtual keys on the keyboard, or at least keys for commonly used commands, like Cut and Paste. They tried to move away from the keyboard rather than melding it with the mouse.

~Kevin
16-Apr-84 14:50:48-CST,1901;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 14:50:40-CST
Return-Path: <@SU-SCORE.ARPA:Spitzer.Multics@HIS-PHOENIX-MULTICS.ARPA>
Received: from SU-SCORE.ARPA by SUMEX-AIM.ARPA with TCP; Mon 16 Apr 84 07:42:21-PST
Received: from CISL-SERVICE-MULTICS.ARPA by SU-SCORE.ARPA with TCP; Mon 16 Apr 84 07:40:21-PST
Received: from HIS-PHOENIX-MULTICS.ARPA by CISL-SERVICE-MULTICS.ARPA dial; 16-Apr-1984 10:26:05-est
Date: Sat, 14 Apr 84 10:42 MST
>From: MMMcNally.Scouting@HIS-PHOENIX-MULTICS.ARPA

Message-ID: <840414174228.531423@HIS-PHOENIX-MULTICS.ARPA>
Resent-Date: 16 Apr 84 07:27 MST
Resent-From: Charlie Spitzer <Spitzer@HIS-PHOENIX-MULTICS.ARPA>
Resent-To: info-mac@SU-SCORE.ARPA
Resent-Message-ID: <840416142717.495105@HIS-PHOENIX-MULTICS.ARPA>
ReSent-date: Mon 16 Apr 84 09:52:36-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Although MS-Basic isn't PL/I or even Pascle I myself
have no major complaints. The editing system makes I.B.M.'s
version look like the obsolete code it is. But, in truth, I
will most likely drop MS as soon as MacBasic comes out. For
those of you who haven't read it's description in Byte
I strongly recomend it.

A few Notes on Basic:

As previously noted "Clear,25000" gives the user more programming space,
but only at the expense of the heap. Well, after using that command,
I felt like I was programming in sludge. When I tried scrolling my
list window EVERY SINGLE LINE had to be called off of the disk.
I tried some fiddling around and found that around "Clear,20000"
is the largest clear statement that will give you more memory, but not
kill the systems speed. The system boots with a "Clear,14***" already in
process, so you can acquire about another 5K with "Clear,20000"

                          ==matt mcnally
16-Apr-84 15:43:49-CST,1055;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 15:43:46-
CST
Return-Path: <dtw@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Sat 14 Apr 84 23:22:20-
PST
Date: 15 Apr 1984 02:26:58-EST
>From: Duane.Williams at CMU-CS-IUS
Subject: Macintosh bugs
ReSent-date: Mon 16 Apr 84 09:51:56-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I think it is great that people can transmit bug reports so conveniently to
Apple via this mailing list. I am wondering, though, whether, and if so
when and by what mechanism, we can expect to benefit from our efforts. The
written material that accompanies Apple software says that Apple takes no
responsibility for its working properly, and gives no hint about whether
users can ever expect to be given bug fixes. Does anyone know whether Apple
plans to distribute debugged code to those who were brave enough to purchase
the early release versions?

Duane (dtw@cmu-cs-ius)
16-Apr-84 16:24:00-CST,1114;000000000000

Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 16:23:55-CST
Return-Path: <REICH@NYU-ACF1.ARPA>
Received: from NYU-ACF1.ARPA by SUMEX-AIM.ARPA with TCP; Sat 14 Apr 84 21:10:34-PST
Date: 15 Apr 84 00:15 EST
>From: Richard Reich <REICH@NYU-ACF1.ARPA>
To: Piersol.Pasa@XEROX.ARPA
Subject: RE: reading those mactep downloaded files
Cc: INFO-MAC@SUMEX-AIM.ARPA
Message-ID: <106016774.00E90041.1984@ACF1.NYU-ACF1.ARPA>
In-Reply-To: <8404130237.AA00627@NYU.ARPA>   ;
     Message of 13-APR-1984 15:59 from Piersol.Pasa@Xerox.ARPA
ReSent-date: Mon 16 Apr 84 14:10:14-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

What follows is a program that examines and (optionally) changes the FileDataType of a Mac file. After, changing the type of, say, a MacTEP downloaded file to TEXT (case is supposed to be significant), click MacWrite, shift-click the significant), click MacWrite, shift-click the file icon, then click (File menu) Open.
-r

[Ed. File is on {SUMEX-AIM}<INFO-MAC>ModifyFInfo.Bas]
16-Apr-84 16:25:28-CST,1283;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 16:25:25-CST
Return-Path: <wrs@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Mon 16 Apr 84 13:48:31-PST
Date: 16 Apr 1984 16:42:26-EST
>From: Walter.Smith at CMU-CS-SPICE
Subject: Finder bug
ReSent-date: Mon 16 Apr 84 13:54:43-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

In a post around Apr. 4, Ben Hyde warned not to empty the trash when there is an info window open on a document in the trash can. His warning was a bit understated. The first time I did this (on purpose, using a trash disk), the "serious system error ID=02" (bomb) box appeared, and the system restarted just fine. Unfortunately, the second time (on another, useful disk) had more serious results. Attempting to boot with this disk causes the "sad Mac" icon to appear, with code 0F009D (I'm not certain of the 9D part, but it's definitely two digits, so it's not in the table posted earlier). Attempting to use it while a system is running produces the "This disk is unreadable; do you want to initialize it" message. I hope this bug is fixed in the new Finder.

-Walter Smith (wrs@CMU-CS-SPICE)

From 4553926434509067797
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2ee4ea1f594fdaab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 5 of 8
Message-ID: <372@drutx.UUCP>
Date: Wed, 23-May-84 11:29:40 EDT
Article-I.D.: drutx.372
Posted: Wed May 23 11:29:40 1984
Date-Received: Sat, 26-May-84 11:19:18 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 484

18-Apr-84 13:15:16-CST,1152;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 13:15:07-
CST
Return-Path: <Rutenberg.pa@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 15:14:46-PST
Received: from Semillon.ms by ArpaGateway.ms ; 17 APR 84 15:15:15 PST
Date: Tue, 17 Apr 84 15:14:48 PST
>From: Rutenberg.pa@Xerox.ARPA
Subject: Re: A small Mac editor
In-Reply-To: "Bruce.Lucas@CMU-CS-IUS.ARPA's message of Tue, 17 Apr 84
 12:45:27 EST"
To: Bruce.Lucas@CMU-CS-IUS.ARPA
cc: Info-Mac@Sumex-Aim.ARPA
ReSent-date: Wed 18 Apr 84 10:02:58-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I think the idea of a very small & fast editor is great! Using the
routines which are already in Rom for editing and disk access, you could
build something which takes up *very* little space (it could fit on each
of your disks & would load quickly).

I doubt it would take much assembler glue to put those routines together
into an editor. No fonts & possibly undo -- not something to write a
paper on, just enough for a small quick change.

     Mike

16-Apr-84 17:01:27-CST,933;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 16 Apr 84 17:01:25-CST
Return-Path: <REICH@NYU-ACF1.ARPA>
Received: from NYU-ACF1.ARPA by SUMEX-AIM.ARPA with TCP; Mon 16 Apr 84 13:47:25-PST
Date: 16 Apr 84 16:51 EST
>From: Richard Reich <REICH@NYU-ACF1.ARPA>
To: INFO-MAC@SUMEX-AIM.ARPA
Subject: ModifyFInfo program (new version, 1.1)
Message-ID: <1075CA176.00300033.1984@ACF1.NYU-ACF1.ARPA>
ReSent-date: Mon 16 Apr 84 14:11:11-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

This version allows setting (or not) both file type and creator. FYI, to
make a file into a MacWrite document, use type=TEXT and creator=MACA.
I'm sorry that mailers, systems, etc., will certainly chop the long lines
of this program into shorter statement fragments.
-r

[Ed. Updated source on {SUMEX-AIM}<INFO-MAC>ModifyFInfo.bas]
17-Apr-84 10:26:11-CST,1404;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 10:26:05-CST
Return-Path: <@CISL-SERVICE-MULTICS.ARPA:Spitzer.Multics@HIS-PHOENIX-MULTICS.ARPA>
Received: from CISL-SERVICE-MULTICS.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 06:28:05-PST
Received: from HIS-PHOENIX-MULTICS.ARPA by CISL-SERVICE-MULTICS.ARPA dial; 17-Apr-1984 09:24:49-est
Date: Mon, 16 Apr 84 18:57 MST
>From: MMMcNally@HIS-PHOENIX-MULTICS.ARPA
Subject: 256K Chips
To: Spitzer.Multics@HIS-PHOENIX-MULTICS.ARPA
Message-ID: <840417015721.362305@HIS-PHOENIX-MULTICS.ARPA>
Resent-Date: 17 Apr 84 07:09 MST
Resent-From: Charlie Spitzer <Spitzer@HIS-PHOENIX-MULTICS.ARPA>
Resent-To: info-mac@SUMEX-AIM.ARPA
Resent-Message-ID: <840417140923.455698@HIS-PHOENIX-MULTICS.ARPA>
ReSent-date: Tue 17 Apr 84 08:08:13-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Yes , 256K chips are currently available. At present they run around 65
dollars a shot though. Considering that you will require 18 chips, it
will cost aproximately $1,170.00 to upgrade your Mac to 512K. These
prices are for the mitsubishi 256k chip, pruchased through CYTK. I
would be happy to order any chips that you may desire, but I would be
much happier if someone could fine a cheaper sorce.

==Matt
17-Apr-84 10:56:07-CST,2040;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 10:55:46-CST
Return-Path: <nivek@cmu-ri-rover.arpa>
Received: from CMU-RI-ROVER.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 06:52:34-PST
Date: 17 Apr 1984 09:53:15-EST
>From: Kevin.Dowling at CMU-RI-ROVER
Subject: MacBasic & Pascal
ReSent-date: Tue 17 Apr 84 08:09:02-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Having used MacBasic and MacPascal for several days now I've noticed a couple of things. For one doing graphics is exceptionally easy. I haven't seen or used MS-Basic for the Mac but I haven't found the plethora of bugs that previous posts have mentioned being in MS-Basic in MacBasic. One problem with MacBasic (this version anyway) is that they use a scaled 12 point font and it resembles on the screen a degenerate San Francisco Font. The Only 10 Point font I've seen is Seattle 10. I've tried playing with FontMover but haven't had any success in making the scaling problem going away.

MacPascal uses three windows (Program, Text, Drawing) where Program (obviously) is your current program you're working on. Kind of like MacWrite style editing. Auto indent and auto-bolds reserved words. (This is real nice to work in) Some simple drawing routine are provided for drawing lines, ovals, rectangles, etc... You can invert as you draw, thus getting a kind of X-oring feature for overlapped objects. A very nice tracing feature is provided and a little indicator shows you where in the program you currently are. Most commands allow you to use the Command key instead of Mouse hunting all the time. The Text window is your Writeln outputs and your drawing window is graphic output.

Psacal seems to have a stack problem with more than 200 procedure or subroutine calls makes it bomb out. Hope this gets fixed...

nivek
ARPA: nivek@cmu-ri-rover
BELL: (412) 578-8830
USMAIL : Robotics Institute c/o CMU
Schenley Park
17-Apr-84 11:13:42-CST,1788;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 11:13:38-CST
Return-Path: <Mendelson.es@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 08:42:30-PST
Received: from CheninBlanc.ms by ArpaGateway.ms ; 17 APR 84 08:40:38 PST

Date: Tue, 17 Apr 84 08:39 PST
>From: Mendelson.es@Xerox.ARPA
Subject: Re: randomness...
In-reply-to: "MBF@CMU-CS-C.ARPA's message of Wed, 11 Apr 84 04:26:20
 EST"
To: MBF@CMU-CS-C.ARPA
cc: info-mac@SUMEX-AIM.ARPA
ReSent-date: Tue 17 Apr 84 08:46:38-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Whoever wrote the referenced messsage is absolutely correct. The
original design of an Alto-like successor machine with a purportedly two
to one performance ratio over the Alto ran its macro-code at 190 KIPs
when no I/O was running, and the display was blank!! In its original
design it took 9% of the microcycles just to run a blank display. The
original design sampled the mouse during the display retrace time so the
machine had to do a task switch into the display task to sample the
mouse even when the display wasn't running. I believe that design goof
was fixed, but it shows how much an Alto-like implementation degrades
macro-code performance to handle all of the peripherals through the
micro-code. The microcode is involved with every memory transfer for
every device so any significant I/O bandwidth drastically reduces
macro-code performance.

It was characteristics such as this that were, in part, the point of my
previous message about the inadequacy of an Alto implementation as a
marketable product. Notice that I no longer use the phrase "productize"
in this context.

Jerry

17-Apr-84 11:45:45-CST,966;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 11:45:41-
CST
Return-Path: <CMP.WERNER@UTEXAS-20.ARPA>
Received: from UTEXAS-20.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 08:39:09-
PST
Date: Tue 17 Apr 84 10:40:16-CST
>From: Werner Uhrig <CMP.WERNER@UTEXAS-20.ARPA>
Subject: Jim Seymour's "Micro Business" discusses Macs
To: info-mac@UTEXAS-20.ARPA
ReSent-date: Tue 17 Apr 84 08:47:02-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

For an interesting view-point on the present and future value of
a MacIntosh, read Jim Seymour's syndicated editorial "Micro Business",
which appeared in the Austin local paper on Monday, April 16, 1984.

Very refreshing, after having been assaulted by recent postings by some
people here. Myself, I'll keep a clipping and make it required reading

for anyone asking me about my opinion of the Mac.

17-Apr-84 13:12:29-CST,1561;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 13:12:24-CST
Return-Path: <bdl@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 09:41:17-PST
Date: 17 Apr 1984 12:45:27-EST
>From: Bruce.Lucas at CMU-CS-IUS
Subject: requests
ReSent-date: Tue 17 Apr 84 10:36:57-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac-dist@SUMEX-AIM.ARPA

Dear Apple,

Can we conclude that Macterminal will do the "right thing" wrt to file transfers, namely that MacWrite documents, MacPaint documents, etc. can be transferred to the remote system and retrieved, and still appear as the appropriate document type? This (1) will allow remote file archival, (2) will allow file interchange between Macintoshes, and (3) will allow us to get our grubby hands on all the bitsies the Macintosh applications have access to, so e.g. we could write a laser printer driver for our local system. Seems like two transfer modes would be useful: straight text, and data.

On another note, it seems ashame that there isn't a simple text file editor on the Macintosh. True, there is the notepad, but there can only be one of them. How about named notepads, or someone suggested it would be nice if you could "tear a page off" of the notepad and put it in a file, which you could put into a folder and could later inspect by reading back into the notepad. How about something like this in future versions of the system?

Bruce Lucas
17-Apr-84 13:39:36-CST,853;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 17 Apr 84 13:39:33-CST
Return-Path: <homeier@AEROSPACE>
Received: from aerospace.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 10:15:46-PST
Date: Tue, 17 Apr 84 09:43:27 PST
>From: Peter Homeier <homeier@AEROSPACE>
To: nivek@cmu-ri-rover
CC: info-mac@sumex-aim
Subject: MacPascal benchmark request
ReSent-date: Tue 17 Apr 84 10:37:30-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

If you have MacPascal running, could you try the Sieve of Eratosthenes benchmark from BYTE? A lot of people are impressed with MacPascal's reported features, and would like to know how fast it is, how long programs can be, etc. How much of a serious tool is it?
18-Apr-84 12:23:55-CST,794;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 12:23:52-CST
Return-Path: <tdn@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 14:05:46-PST
Date: Tuesday, 17 April 1984 16:43:39 EST
>From: Thomas.Newton@cmu-cs-spice.arpa
To: info-mac@sumex-aim.arpa
Subject: MacTEP v1.81
Message-ID: <1984.4.17.21.36.15.Thomas.Newton@cmu-cs-spice.arpa>
ReSent-date: Wed 18 Apr 84 10:02:37-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Here is the latest version of the MacTEP terminal program. It seems to work much better than the previous version.

[Ed. New version on {SUMEX-AIM}<INFO-MAC>MACTEP.BAS]
18-Apr-84 12:42:07-CST,962;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 12:42:03-CST
Return-Path: <mike@rice.ARPA>
Received: from rice.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 14:46:28-PST
Received: by rice.ARPA (AA06774); Tue, 17 Apr 84 16:46:22 CST
Date: Tue, 17 Apr 84 16:41:04 CST
>From: Mike Caplinger <mike@rice.ARPA>
Subject: modems and the DA-9
To: info-mac@sumex-aim.ARPA
Message-Id: <mike.548@Dione.rice>
ReSent-date: Wed 18 Apr 84 10:02:48-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I'm a little confused about the comment in MacTEP about the connections 3->7, 5->2, 8->1, 9->3. What happened to DTR? Is it safe to connect the 12V pin to the DTR pin on the modem, as Edward Tecot suggests? I am not the world's greatest RS-232 expert, obviously; does DTR want a 12 volt signal?

I have a Rixon 212 modem, if that makes any difference.
18-Apr-84 13:15:16-CST,1152;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 13:15:07-CST

Return-Path: <Rutenberg.pa@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 15:14:46-PST
Received: from Semillon.ms by ArpaGateway.ms ; 17 APR 84 15:15:15 PST
Date: Tue, 17 Apr 84 15:14:48 PST
>From: Rutenberg.pa@Xerox.ARPA
Subject: Re: A small Mac editor
In-Reply-To: "Bruce.Lucas@CMU-CS-IUS.ARPA's message of Tue, 17 Apr 84
 12:45:27 EST"
To: Bruce.Lucas@CMU-CS-IUS.ARPA
cc: Info-Mac@Sumex-Aim.ARPA
ReSent-date: Wed 18 Apr 84 10:02:58-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I think the idea of a very small & fast editor is great! Using the
routines which are already in Rom for editing and disk access, you could
build something which takes up *very* little space (it could fit on each
of your disks & would load quickly).

I doubt it would take much assembler glue to put those routines together
into an editor. No fonts & possibly undo -- not something to write a
paper on, just enough for a small quick change.

     Mike
18-Apr-84 13:43:30-CST,951;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 13:43:24-
CST
Return-Path: <JW-PETERSON@UTAH-20.ARPA>
Received: from UTAH-20.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 18:47:49-PST
Date: Tue 17 Apr 84 19:48:11-MST
>From: John W. Peterson <JW-Peterson@UTAH-20.ARPA>
Subject: Simple text editor for the mac
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Wed 18 Apr 84 10:03:33-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

There is a simple text editor called "File" distributed with the Lisa toolkit.
This program is a multi-window version of MacWrite without all the word
processor fluff. I've used it quite extensivly to edit files locally on the
Mac and later upload them to a host with MacTerm. One of its strong points
is the availability of the well-commented source, which makes adding features
relativly easy.

18-Apr-84 14:12:35-CST,2972;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 14:12:16-
CST
Return-Path: <CMP.WERNER@UTEXAS-20.ARPA>

Received: from UTEXAS-20.ARPA by SUMEX-AIM.ARPA with TCP; Tue 17 Apr 84 20:24:42-PST
Date: Tue 17 Apr 84 22:25:53-CST
>From: Werner Uhrig <CMP.WERNER@UTEXAS-20.ARPA>
Subject: Re: Jim Seymour's "Micro Business" discusses Macs
To: info-mac@UTEXAS-20.ARPA
ReSent-date: Wed 18 Apr 84 10:10:35-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I got piles of friendly and 'not so friendly' mail, asking for more info
on the contents of the editorial.

I understand that Jim Seymore is a nationally syndicated writer, and a quick
check with your library might show that they carry a paper who subscribes.

In reply to those sending 'friendly' notes: I was torn between posting a
simple quick pointer to the column, or nothing at all, as I did not have the
time to summarize, not to think of typing the complete column. Maybe I should
have waited until I had more time, or not bothered, but I thought you folks
know that a simple call to the local library opens up a realm of information.
As those of you who know me from other groups may attest, I, often, spend
significant time typing, to pass on as much info as possible, but yesterday
there was no free time. However, I'll try to get a list of the major papers
that carry the column, either from the paper, the library, or whereever.
Maybe some of you who have seen his column in major papers could help me and
post a note.

To the 'unfriendlies', I'd like to say "Eat it, and, hopefully, Choke".
I am not 'stupid enough to think that you are all in Austin', or 'reading
the Austin paper', my pointer to "syndicated editorial" should have made
clear that that was not expected of you. I made reference to the printing
date in the local paper as a helpful hint, as other papers should be
printing it around the same time. I introduced the column as an
"interesting viewpoint" and am not 'preaching the new gospel', I don't
preach at all but provide information to help others make up their own
opinion. And rather than give my opinion to the uninitiated questioner,
I have him read what others have said, rather than talk my lips bloody.

     why do some people always seem to foam at the mouth ?

          Cheers, (trying hard to)
                   Werner -------

[Ed. Note - In remailing Werner's original message to INFO-MAC, I assumed
readers would understand that with Jim Seymour being a syndicated columnist,
this source of information would be available to everyone if they chose to
pursue it, and not just the readers in Austin. The mention of the Austin paper
was taken as a courtesy to those on the list at Utexas. I, along with Werner,
thought readers would understand that and not bitch. Enough said. In the
future, please think a bit before clogging the net with flames.]
18-Apr-84 14:48:30-CST,1187;000000000000

Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 14:48:23-CST
Return-Path: <donegan@rice.ARPA>
Received: from rice.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 08:09:06-PST
Received: by rice.ARPA (AA12361); Wed, 18 Apr 84 08:41:45 CST
Date: Wed, 18 Apr 84 08:41:45 CST
>From: Mike Donegan <donegan@rice.ARPA>
Message-Id: <8404181441.AA12361@rice.ARPA>
To: PATTERMANN@SUMEX-AIM.ARPA, info-mac@SUMEX-AIM.ARPA
Subject: when repairing disks
ReSent-date: Wed 18 Apr 84 10:10:47-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Folder information is kept track of in a hidden file -- Desktop File (?)
which the finder maintains. What I find irritating is that since folders
are not real, i.e. known by the O.S., an application cannot create a file
in a folder. So even though I keep BASIC programs in a folder, whenever I save
one it finds its way back to the desktop. I assume that the Finder upon
discovering a bad disk decides that the desktop file is bogus and throws it away.
Thus you get a pristine desk with all your files lying around in the disk window.

     mkd
18-Apr-84 15:20:09-CST,2730;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 15:19:56-CST
Return-Path: <CMP.WERNER@UTEXAS-20.ARPA>
Received: from UTEXAS-20.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 08:09:44-PST
Date: Wed 18 Apr 84 05:32:58-CST
>From: Werner Uhrig <CMP.WERNER@UTEXAS-20.ARPA>
Subject: Summary of Seymour's Column [addressing the business community, mainly]
To: info-mac@UTEXAS-20.ARPA
ReSent-date: Wed 18 Apr 84 10:11:45-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

[I apologize to Jim, should he be "watching" for any errors I
  made in condensing his fine article, and any copy-rights I may
  be breaking. I encourage all readers to make an effort to
  read the article by purchasing one of the papers that carry the
  column, regularly. My posting this should not be construed
  that my personal opinion is identical to Jim's, but rather,
  that I consider this an excellent introduction to the topic. Werner]

     The MAC is a Great Machine, but Beware the Software Gap
   ==
     (Jim Seymour's syndicated column: MICRO BUSINESS, mid-April)

I feel like I've spent two months answering one question from

readers, clients, friends, strangers: "Should I buy a Mac?"

Take your choice: Yes, absolutely; maybe, not yet. .. depends on
what you want to do with it, and when.

The Mac is a brilliantly designed, very compact, very powerful computer.
It's absolutely the easiest-to-use computer in existence, in many
ways it can run rings around [most other micros]. It's
footprint is no bigger than a piece of stationary. And it's
cheap, at $3600 including a good dot-matrix printer, word
processing, graphics, and spread-sheet software, it's a bargain.

But, there's not much software yet, so it may not fulfill your needs
for awhile, otherwise you should run, not walk, and plunk down a
deposit at the nearest computer-store, because the Mac is not
only the third industry standard, behind Apple II and IBM's PC,
it's also going to be a very important machine for the rest of
the decade. And the software-gap won't last long, as Softcon in
New Orleans showed lots of half-finished products under development.
[a list followed; BPI accounting, Think Tank, pfs: file
and report, Lotus 1-2-3, among others]

But if you want a business machine to use tomorrow morning, the
PC [and clones] has a big lead, and will always have more
software available, the MAC will never catch up.

....

To hell with making people computer-literate. I want computers
that are people-literate. The Mac's a fine start.

18-Apr-84 15:54:42-CST,954;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 15:54:35-
CST
Return-Path: <PALLAS@SU-SCORE.ARPA>
Received: from SU-SCORE.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 10:59:11-
PST
Date: Wed 18 Apr 84 10:49:58-PST
>From: Joseph I. Pallas <PALLAS@SU-SCORE.ARPA>
Subject: Re: Simple text editor for the mac
To: info-mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "John W. Peterson <JW-Peterson@UTAH-20.ARPA>" of Wed 18
Apr 84 10:39:05-PST
ReSent-date: Wed 18 Apr 84 13:32:08-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Great, but can people without the Lisa tookit get that editor?

Apple: Like it or not, people ARE going to want to develop software
for the Mac on the Mac, since not everyone can afford a Mac and a
Lisa. Unless you want Mac to be "the computer for the rest of them,"

you ought to keep that in mind.

joe

From -1144889140373070924
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7142e83c4d499ac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 6 of 8
Message-ID: <373@drutx.UUCP>
Date: Wed, 23-May-84 11:29:46 EDT
Article-I.D.: drutx.373
Posted: Wed May 23 11:29:46 1984
Date-Received: Fri, 25-May-84 00:48:46 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 686

18-Apr-84 16:22:00-CST,1016;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 18 Apr 84 16:21:56-
CST
Return-Path: <MIKES@CIT-20>
Received: from CIT-20.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 11:38:49-PST
Date: 18 Apr 1984 1139-PST
Subject: re: a small Mac editor
>From: Mike Schuster <MIKES@CIT-20>
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Wed 18 Apr 84 13:32:22-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Rather than wasting time writting yet another small & fast Mac editor,
I suggest some work be done on decreasing the time to open and close
an application. This is the heart of the problem. MacWrite is small
and easy to use, its just slower to launch than the notepad.

Decreasing launch time would help every application. For example,
consider a phone directory. Who is going to wait 15-20 seconds for a
directory application program to open just to find and dial a phone
number?

Mike

(mikes@cit-20)

20-Apr-84 10:46:41-CST,1044;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 10:46:39-
CST
Return-Path: <FRANK@UTAH-20.ARPA>
Received: from UTAH-20.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 17:25:35-PST
Date: Wed 18 Apr 84 18:25:09-MST
>From: Randy Frank <FRANK@UTAH-20.ARPA>
Subject: Re: Simple text editor for the mac
To: PALLAS@SU-SCORE.ARPA, info-mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "Joseph I. Pallas <PALLAS@SU-SCORE.ARPA>" of Wed 18 Apr
84 14:52:35-MST
ReSent-date: Fri 20 Apr 84 08:09:45-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The information we have is that Apple very definitely plans on a Mac-based
Mac development environment. However, we understand that it will require a
.5MB Mac (256K ram chip version) Mac, and so won't be available until the
upgraded Macs are. We have also heard enough to believe that the delay in
the Mac-based development environment may more likely be the .5MB Macs than
the software.

20-Apr-84 11:06:03-CST,989;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 11:06:00-
CST
Return-Path: <mike@rice.ARPA>
Received: from rice.ARPA by SUMEX-AIM.ARPA with TCP; Wed 18 Apr 84 20:26:29-PST
Received: by rice.ARPA (AA19300); Wed, 18 Apr 84 22:19:20 CST
Date: Wed, 18 Apr 84 22:13:54 CST
>From: Mike Caplinger <mike@rice.ARPA>
Subject: VT102?
To: info-mac@sumex-aim.ARPA
Message-Id: <mike.553@Dione.rice>
ReSent-date: Fri 20 Apr 84 08:09:47-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I have an alpha-test version of MacTerm, and according to the (sparse)
documentation, it does VT102 insert and delete line and character
sequences. Unfortunately, I don't know what those sequences are!
Anybody out there better informed than me?

By the way, MacTerm isn't perfect, but I could easily get used to the
key mappings, if I had to. Now if they would just add some mouse
support...
20-Apr-84 11:26:22-CST,1967;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 11:26:07-
CST

Return-Path: <CMP.WERNER@UTEXAS-20.ARPA>
Received: from UTEXAS-20.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 00:46:44-PST
Return-Path: <werner@ut-ngp.ARPA>
Received: from ut-ngp.ARPA by UTEXAS-20.ARPA with TCP; Thu 19 Apr 84 02:43:48-CST
Posted-Date: Thu, 19 Apr 84 02:40:36 CST
Message-Id: <8404190844.AA10952@ut-ngp.ARPA>
Received: by ut-ngp.ARPA (4.22/3.14)
     id AA10952; Thu, 19 Apr 84 02:44:45 cst
Date: Thu, 19 Apr 84 02:40:36 CST
>From: Werner Uhrig <werner@ut-ngp.ARPA>
To: infomac@utexas-20.ARPA
Cc: werner@utexas-20.ARPA
Subject: another opinion of the Mac 'to relax by'
ReSent-date: Thu 19 Apr 84 02:47:51-CST
ReSent-from: Werner Uhrig <CMP.WERNER@UTEXAS-20.ARPA>
ReSent-to: info-mac@UTEXAS-20.ARPA
ReSent-date: Fri 20 Apr 84 08:09:50-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

just in case Jerry made you feel uncertain about the Mac .....

>From mmt@dciem.UUCP (Martin Taylor) Sun Feb 6 00:28:16 206
Newsgroups: net.micro
Subject: Re: Well written Macintosh overview (comments on comments)

When the Mac was first announced officially, and could be seen here,
the people with most immediately enthusiastic responses were precisely
those people who have been deeply into computers for years. They could
appreciate the wonder of the Mac faster than the "users" (non-novice but
non-wizard). Having been involved with computers for 30 years now, I
found myself with that quick "This is a real machine -- it's RIGHT" reaction.
After 6 weeks of using one, my main finding is that now my writings
have many more figures in them and are easier to read. No programming
support yet, but what a joy it is to use the things that are there.
Programming will come.
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

20-Apr-84 11:46:49-CST,2286;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 11:46:39-CST
Return-Path: <nivek@cmu-ri-rover.arpa>
Received: from CMU-RI-ROVER.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 08:21:20-PST
Date: 19 Apr 1984 10:16:33-EST
>From: Kevin.Dowling at CMU-RI-ROVER
Subject: sieve

ReSent-date: Fri 20 Apr 84 08:09:51-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Well all is not cheery on the MacPascal front...
I used the Sieve version appearing in the Jan. 83 Byte issue p284.
Here's what the program is:

```
program prime;
const
     size = 8190;
var
     flags : array [0..size] of boolean;
     i, prime, k, count, iter : integer;
begin
  writeln('10 iterations');
  for iter := 1 to 10 do
     begin
       count := 0;
       for i := 0 to size do
         flags[i] := true;
       for i := 0 to size do
         if flags[i] then
          begin
            prime := i+i+3;
               k := i+ prime
            while k <= size do
              begin
                flags[k] := false;
                k := K + prime
              end;
              count := count + 1
             end;
         end;
  writeln(count,' primes')
end.
```

As I typed it in, it did a nice job of auto-indenting, bold facing
reserved words. There are step, trace, run, stop, reset functions
when using your program. Menu or Keyboard.

So I tried to run it.
First problem it didn't like program prime and var prime. Foo.
so I change the program name to prim.

So I tried to run it.
Second problem it didn't like size used in the var field. Foo
so I change size to it's value of 8190.

So I tried to run it.
Third problem: Not enough memory for an array of that size!

The error message says "Install 256K RAM Chips" Right...

I don't understand that. The boolean array undoubtedly can be
8191 bits in memory or 1K of RAM, and there should be plenty
of space for that! So I reduce the size and finally runs at an
array size of 600, (it failed at 700 and I didn't try iterating any further)
It takes 1 Min 14 seconds to do this... Not Impressive.
Remember though, it's interpreted not compiled. I would guess a compiled
version would run an order of magnitude faster (at least)...

Other Bugs: File I/O, Sets, readln w/ No arg...

nivek

20-Apr-84 12:13:26-CST,1244;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 12:13:19-
CST
Return-Path: <DEUFEL@DEC-MARLBORO.ARPA>
Received: from DEC-MARLBORO.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84
08:56:01-PST
Date: 19 Apr 1984 1152-EST
>From: DEUFEL at DEC-MARLBORO
To: INFO-MAC at SUMEX
Subject: MacPaint Question
Message-ID: <"MS10(2124)+GLXLIB1(1136)" 12008738774.15.385.43876 at DEC-MARLBORO>
ReSent-date: Fri 20 Apr 84 08:09:53-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Does anyone know of any way to print multiple copies of MacPaint
documents? I have found that I can create duplicates of the file,
select all of them on the desk top, drag down through the FILE
menu to PRINT and MacPaint will print each in turn. Unfortunately,
I am bounded by disk space. Is there any "hidden feature" or trick
that will allow me to print multiple copies from one MacPaint
document without "OPERATOR INTERVENTION"???

Also, has anyone out there given any thought to hooking up a video
camera (such as the one described in Byte September 1983 (?))? It is
rumored to be available with a RS232 interface.

Cheers,
-Abdul-

20-Apr-84 12:34:00-CST,843;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 12:33:57-
CST
Return-Path: <bdl@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 09:32:24-

PST
Date: 19 Apr 1984 12:31:53-EST
>From: Bruce.Lucas at CMU-CS-IUS
Subject: small editor
ReSent-date: Fri 20 Apr 84 08:09:55-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Well, at about 50k MacWrite doesn't exactly qualify as small on a 400k minus system stuff disk. It's overkill for random notes. What I was hoping for would be a small editor as a desk accesory. The parts are almost all there: the notepad and the scrapbook. What is needed to make it really useful is, say, multiple named scrapbooks that you could keep in various folders.
20-Apr-84 12:55:54-CST,1900;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 12:55:48-CST
Return-Path: <nivek@cmu-ri-rover.arpa>
Received: from CMU-RI-ROVER.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 11:19:33-PST
Date: 19 Apr 1984 14:19:02-EST
>From: Kevin.Dowling at CMU-RI-ROVER
Subject: MacWorld
ReSent-date: Fri 20 Apr 84 08:09:57-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

New issue of MacWorld came today:
here are some tidbits....

new version of MacWrite will be available. Includes superscript and subscript options in Style menu, and revisions to header and footer.
No mention of cost (if any) and when...

Macintalk: phoeneme program for ASCII to speech. Same guy who did SAM for Apple II (anyone familiar with this?) Looks real interesting, and you can use Basic or Pascal to make calls to it.
Apple plans to use it to replace the audio cassettes for the Guided Tour.

Trivia:
That sensational TV ad shown during the SuperBowl was also shown earlier. Specifically at some small station in Twin Falls, IDAHO KMVT on December 15 at 1 in the morning it was shown. This means it was shown in 1983 and could qualify for the 1984 Cleo Awards!

Article on Disk Juggling to optimize number of swaps necessary.
Hopefully articles like this won't be necessary in a few months!

Ads for a Magic Phone Dialer, prints details of each call (time number charge) mouse used to select and dial. retty nice for checking MCI/Sprint bills.

Article on the Lisa and Microsoft Chart: nothing new...

One company advertising professional typeseting for the Mac.

An article on Macintosh Pascal.

There's an excerpt from Cary Lu's Book also and an article on

the Apple university consortium. Also an interesting look at te
international Mac marketing effort.

nivek

20-Apr-84 13:19:56-CST,841;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 13:19:54-CST
Return-Path: <matt@UCLA-LOCUS.ARPA>
Received: from ucla-locus.arpa by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 21:00:44-PST
Date: Thu, 19 Apr 84 20:53:11 PST
>From: Matthew J. Weinstein <matt@UCLA-LOCUS.ARPA>
To: info-mac@sumex
Subject: IWM Speed
ReSent-date: Fri 20 Apr 84 08:09:59-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Does anyone know if the Mac's disk controller can be told the spin/density
to use on a disk? It would be nice to have a way to put a 5 1/4" drive
on the spare floppy port, or write HP-150 disks.

- Matt

[The question ``Why on earth would you want to do that?'' is, of course,
 obvious.]
20-Apr-84 13:45:17-CST,2622;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 13:45:09-CST
Return-Path: <taw@cmu-ri-fas.arpa>
Received: from CMU-RI-FAS.ARPA by SUMEX-AIM.ARPA with TCP; Thu 19 Apr 84 22:29:26-PST
Date: Thursday, 19 April 1984 23:21:56 EST
>From: Tom.Wood@cmu-ri-fas.arpa
To: info-mac@sumex-aim.arpa
Subject: May/June issue of MacWorld
Message-ID: <1984.4.20.3.58.30.Tom.Wood@cmu-ri-fas.arpa>
ReSent-date: Fri 20 Apr 84 08:10:03-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Just received this in the mail (I am surprised the second issue came out so soon.)

Good article called "The Compleat Disk Juggler" on how to use your single-drive Mac more efficiently. Contains specific instructions on how to use the FontMover and some suggestions on how to set up working disks.

Review of MS Chart--lots of pictures.

Article on Lisa 2. Interesting photographs of Lisa screen running Mac software--the aspect ratio problem is amusing.

Other articles (of course) about the Apple University Consortium (looks at Brown, Stanford, U of Michigan); international versions of the Mac; preview of MacPascal; etc., etc.

Notables from the "Macworld View" section:

John Rizzo (Apple hardware product manager) says 512K Macs may appear in early 1985 . . .

Apple will be selling Alice (for under $40, of all things) . . .

A new version of Macwrite "should be available from your dealer soon." Fixes to Header/Footer problems, subscripts and superscripts . . .

>From the "Disk Juggler" article:

The new version of the Finder will include an option to to specify an application to run on startup. Performance improvements have been made in the boot procedure and in restarting the Finder after an application exits.

Warning: opinion begins here.

The second issue maintains the rather innovative graphic layout of the first: lots of whitespace, lots of photographs and screen dumps. I think it will be interesting to see what happens as the magazine grows in terms of advertising copy (there are, btw, a number of new products advertised in the second issue). Most of these computer mags tend to be dominated by ads starring PC boards. I do not think PC boards are particularly lovely to look at (you may think otherwise). In Macworld, ads like that will make even more of an impact. Then again, no one should be advertising PC board-level products for the Mac, anyway . . .

-Tom Wood
C-MU Robotics Institute
(taw@cmu-ri-fas)

20-Apr-84 14:10:06-CST,4772;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 14:09:53-

CST
Return-Path: <MAC%Upenn-1100%upenn.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 05:52:15-PST
Received: From upenn.csnet by csnet-relay; 20 Apr 84 8:45 EST
Date: Thu, 19 Apr 1984 14:39:08 EST
>From: Macintosh Evaluation Project <MAC%upenn-1100.csnet@csnet-relay.arpa>
Subject: AppleView
To: info-mac@sumex-aim.arpa
Received: from UPenn-1100 by UPenn; Thu, 19 Apr 84 16:12 EST
ReSent-date: Fri 20 Apr 84 08:10:06-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

We just received copies of a 'magazine' called "AppleView", which is a publication of the Marlboro Technical Support Group, 171 Locke Dr., Marlboro, MA 01752. It appears to be a newsletter that is sent to dealers of Apple equipment (I assume that we're getting it because we're consortium members). Older issues focus on the Lisa and the Apple II, but issues from February '84 onward also contain Macintosh material. I have no idea whether this newsletter is generally available to Mac owners, so I'll try and summarize useful info on this list when I discover it. Here's what I've found so far...

2/84 issue:

Two-page article on inserting tabs in MacWrite, w/no info that isn't in the manual already.

1-page summary of assorted Macintosh info, including:

1) The Mac currently supports only the Imagewriter, though other drivers may be developed in the future by Apple or other vendors.

2) A few of the Imagewriter cables went out incorrectly wired. If pin 20 is clipped, try setting switch 3 on bank 2 to the off position, enabling Xon/Xoff protocol, and it will probably work.

3) The Guided Tour and MacTest diskettes can be copied, but only on a two-drive system. The guided tours require a cold boot before insertion.

4) Pictures copied from MacPaint to MacWrite will appear lighter upon printing.

An article on fonts, w/no new info.

An article on cutting and pasting between macpaint and macwrite. One new fact is that a double-click on the selection rectangle in paint (the "marquee") will select the entire drawing window.

A 2-page article on the Mac Alarm Clock accessory, which mentions that the Mac manual did not include the directions for the clock. For those who were wondering, here they are, minus the illustrations.

a) To get the alarm clock, pull down the Apple Menu and select Alarm Clock.

b) A small window will appear, containing (from left to right) a close box, the current time, and an unnamed symbol. Clicking on this symbol "opens" the clock mechanism by adding two additional lines under the original window. The upper line contains the clock/alarm setting equipment, and the lower line contains three icons, as follows from left to right: clock face, calendar, and alarm clock. These are used in combination with the line above as follows:

By clicking on the clock-face icon, the setting window can be used to change the current time of day via the up/down arrows or clicking on any of hour, minute, second, or AM/PM and typing in the new setting.

By clicking on the calendar icon, the current date can be set in a similar manner.

By clicking on the alarm-clock icon, the time when the alarm will "ring" can be set in a similar manner. When this icon is clicked, the left side of the 'setting' line will contain an additional icon, of a two-position switch. Clicking on this switch will change its setting. The switch is used to turn the alarm on or off, and the current position will be visually displayed via the alarm-clock icon below.

Closing the alarm clock window can be done whether or not the lower section is displayed. The icon on the top line which opens the mechanism can also be used to close the mechanism, but not the alarm clock accessory itself.

When the alarm is set and the selected time is reached, the speaker will beep once and the Apple Menu symbol will begin to flash. This flashing will continue until you select the alarm clock once again. (This explains why, on occasion, this symbol is flashing at startup time -- the alarm was set when the system was last used.)

3/84 issue:

Good one-page discussion of how best to split the Write/Paint disk into two separate startup disks for maximum scratch/document space. One interesting thing here is that the Imagewriter file in the system folder is only needed for MacWrite, not for Mac Paint. Eliminating it saves 17K.

Brief summary of use of Header and Footer windows in MacWrite. Nothing new.

That's it, for now.
--Dave Axler

20-Apr-84 15:39:12-CST,1445;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 15:39:07-CST
Return-Path: <jww@rice.ARPA>
Received: from rice.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 12:10:07-PST
Received: by rice.ARPA (AA04697); Fri, 20 Apr 84 11:29:10 CST
Date: 20 Apr 1984 11:19-EST
>From: Jim Walkup <jww@rice.ARPA>
Subject: unreadable disks
To: info-mac@SUMEX-AIM.ARPA
Message-Id: <451329581/jww@Dione>
ReSent-date: Fri 20 Apr 84 12:40:00-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I have a disk with some data on it which I would like to keep which the Mac refuses to read. The symptoms are:
1) the machine refuses to boot off of the disk
2) if it is booted from another disk, that disk ejected, and the bad disk inserted, the system bombs
3) in both cases, a "severe system error" "ID = 02" is given and the machine halts

The disk worked quite well for a day and a half. At that time, it had the entire system folder on it. I deleted the "system" and the "imagewriter" files from the system folder with no

apparent harm. I then copied the "system" file back in successfully. I tried to copy the "imagewriter" file back onto the disk, but got a "disk full--use another disk" message. I tried this copy a second time and seemed to succeed.

If anyone knows how to retrieve the data, I would like to know.

20-Apr-84 17:30:24-CST,1205;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 17:30:21-CST
Return-Path: <RUBIN@COLUMBIA-20.ARPA>
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 12:50:43-PST
Date: Fri 20 Apr 84 15:51:17-EST
>From: Michael Rubin <RUBIN@COLUMBIA-20.ARPA>
Subject: Re: IWM Speed
To: matt@UCLA-LOCUS.ARPA
cc: info-mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "Matthew J. Weinstein <matt@UCLA-LOCUS.ARPA>" of Fri 20 Apr 84 12:50:06-EST
ReSent-date: Fri 20 Apr 84 15:16:41-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Well, you can tell the IWM what speed to spin the disk at, and probably the density too, but that won't let you read HP-150 disks. All Apples (the Apple II as well as the Mac) write their disks in a format called "group code recording", which involves differences in the *analog* part of the controller. It might theoretically be possible to control a Lisa I "twiggy" 5 1/4" drive with the IWM, and maybe even an Apple II 5 1/4" drive, but only if you can figure out the IWM's opcodes and hack up the driver routines inside the operating system.

20-Apr-84 17:42:53-CST,1339;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 17:42:50-CST
Return-Path: <Hoffman.es@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 13:24:03-PST
Received: from CheninBlanc.ms by ArpaGateway.ms ; 20 APR 84 13:01:46 PST
Date: 20 Apr 84 09:40:54 PST (Friday)
>From: Hoffman.es@XEROX.ARPA
Subject: College deals -- old and new
To: info-mac@SUMEX-AIM.ARPA
cc: Hoffman.es@XEROX.ARPA
ReSent-date: Fri 20 Apr 84 15:16:43-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

In the latest (April 11, 1984) issue of 'The Chronicle of Higher Education', pages 14-15, is a piece about the Apple Consortium and the new arrangements for many more schools. Concerning the Consortium,

there are good stories and quotes (from Dartmouth, Mass., Mich., Stanford, Rice, and others) about the waiting lists and lotteries, reselling ads and ploys and counter-ploys, repurchase agreements, and more. As for the new, expanded discount program, it boils down to little more than industry-standard educational discounts: in the range of 20-25% (instead of the near 60% to Consortium members), though it says the discounts might be more for large customers (orders over, say, $1 million).

--Rodney Hoffman
20-Apr-84 18:08:41-CST,130;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 18:08:00-CST

20-Apr-84 18:20:27-CST,1804;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 18:20:22-CST
Return-Path: <CHRIS@USC-ECLB.ARPA>
Received: from USC-ECLB.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 13:28:52-PST
Date: Fri 20 Apr 84 13:29:25-PST
>From: Christopher Ho <Chris@USC-ECLB.ARPA>
Subject: Re: sieve
To: Kevin.Dowling@CMU-RI-ROVER.ARPA, Info-Mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "Kevin.Dowling at CMU-RI-ROVER" of Thu 19 Apr 84 07:16:33-PST
ReSent-date: Fri 20 Apr 84 15:16:45-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I do not have a Mac (yet), but I feel I should bring up a point about Kevin's sieve of Eratosthenes in MacPascal.

Most pascals are implemented such that an ARRAY OF BOOLEAN is a different data structure than an PACKED ARRAY OF BOOLEAN. The former, in the Mac's case, takes up either 8 K Bytes or 8 K Words, whereas the latter would take up the 8 K bits Kevin expected. The former is usually associated with increased speed (ie no internal packing or unpacking is required) whereas the latter is, of course, associated with decreased space requirements.

I realize that changing the ARRAY to PACKED ARRAY may change the nature of this benchmark, but I think it is necessary to get at least some idea of the relative speeds. Perhaps Kevin or someone else would care to make this minor change and report the results?

Christopher Ho
Chris@Usc-Eclb

ps The PROGRAM PRIME/VAR PRIME bug sounds annoying but livable, the inability to use the CONST SIZE a definite bug. Could you elaborate on the 'other bugs' regarding File I/O, Sets and ReadLn?

20-Apr-84 18:37:05-CST,2606;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 18:36:59-CST
Return-Path: <homeier@AEROSPACE>
Received: from aerospace.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 13:39:03-PST
Date: Fri, 20 Apr 84 13:34:27 PST
>From: Peter Homeier <homeier@AEROSPACE>
To: info-mac@sumex-aim
Subject: Alice
ReSent-date: Fri 20 Apr 84 15:16:47-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

In case some people do not have access to the May/June issue of MacWorld, here is the description of the Alice-in-Wonderland game for the Macintosh:

---------- Begining of article

If you like fast-paced video games and know how to play chess, you'll want to try a three-dimensional animated chess game called Alice. This new game by Macintosh programmer Steve Capps takes Alice out of Wonderland and puts her on the Mac screen.

We looked at a prerelease version of the game, which opens on a woodcut graphic of a medieval figure playing chess and then shifts to a chessboard. Six chess pieces zoom to the front of the board, and you select a piece to indicate which powers Alice will adopt (for example, if you choose the Queen, Alice can move in any direction, any number of squares). You have only one piece, Alice, to play against the game's complement of chess pieces.

Your score is posted above the board. When you take a chess piece, your score increases; it decreases when a piece takes Alice. To obtain a perfect score of 999, you must capture all the chess pieces, never let Alice get captured, and let all the pawns more to the front row and become queens before capturing them.

Capp's future plans for Alice incorporate the construction trend in software games-- letting users access programs and redraw the game figures as well as redefine their functions. In Alice the user will be able to redraw the chess pieces or change the expression on the faces as the pieces move.

Apple estimates that Alice will be released in May, for under $40.

------- End of article

>From the small picture included in the article, the three-dimensional effect is achieved by having pieces in the front rank drawn bigger than pieces in the back rank. The enemy pieces face you, and the Alice figure (a little girl with long hair in a dress) faces away. It's a really

cute game.

I wonder how well the Mac plays; any fair player would be able to defeat
a single Queen.

Peter Homeier (homeier@aerospace)
20-Apr-84 19:01:20-CST,1224;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 19:01:16-
CST
Return-Path: <dtw@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 13:41:18-
PST
Date: 20 Apr 1984 16:37:11-EST
>From: Duane.Williams at CMU-CS-IUS
Subject: Bugs
ReSent-date: Fri 20 Apr 84 15:16:50-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

(1) Locking a document doesn't prevent its being overwritten with MacWrite!
    The Macintosh manual does not say that locking protects a document
    from destruction by application programs, but it is pretty useless if it
    doesn't do so. It won't let you deliberately drag the document into the
    trash, but it will let you accidentally save something entirely different
    on top of it.

(2) If you change the font/style for text you are about to write (in MacWrite)
    and then startup the Notepad before actually putting any new characters
    into the MacWrite document, the font/style change is undone. The Notepad
    should save and then restore the current font/style if an application
    program is running.

Duane (dtw@cmu-cs-ius)
20-Apr-84 19:17:49-CST,868;000000000000
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 20 Apr 84 19:17:46-
CST
Return-Path: <dtw@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Fri 20 Apr 84 13:52:49-
PST
Date: 20 Apr 1984 16:51:03-EST
>From: Duane.Williams at CMU-CS-IUS
Subject: Note about tall adjust printing
ReSent-date: Fri 20 Apr 84 15:16:52-PST
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

     If you print a MacWrite document in "tall adjust" mode, you probably
shouldn't extend the default width of the text line (in particular, don't
move the right margin to the 7 3/8" mark). Extending the line width can
cause the final character to be lost on the Imagewriter output.

Printing text with "tall adjust" produces nicer looking output than the default mode.

From -5222749108789699769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3a6421707382f47a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:29:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!mgnetp!ihnp4!drutx!bees
From: bees@drutx.UUCP
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 7 of 8
Message-ID: <374@drutx.UUCP>
Date: Wed, 23-May-84 11:29:57 EDT
Article-I.D.: drutx.374
Posted: Wed May 23 11:29:57 1984
Date-Received: Fri, 25-May-84 01:01:38 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 1619

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1) 30-Apr David Spector
2) 30-Apr Ed Pattermann Upgrade of FINDER/WRITE/PAINT
3) 1-May John Palevich Alan Kay
4) 1-May STERNLIGHT@USC-ECL.A Finder/system and Macworks bomb
5) 1-May ERIK@SRI-AI.ARPA Japanese Macintosh
6) 1-May Bob Rees 1 vs. 2 floppy drives
7) 1-May bill coderre MacPaint stuff
8) 1-May STERNLIGHT@USC-ECL.A Mac configuration
9) 2-May mark@harvard (Mark L Re: MacPaint stuff
10) 2-May len MacWrite Bug report
11) 2-May David Potter, Softma Mice for the Ambidextrous
12) 2-May Edward.Tecot at CMU- Re: MacPaint Stuff
13) 3-May John Palevich My (educated) opinion on the Mac's design
14) 3-May John Palevich How to transfer a Mac file?
15) 3-May Jerry E. Pournelle deadlines
16) 3-May David.Anderson at CM What's in the manual?
17) 3-May INTMET@BBNA.ARPA MacForth Users Group.
18) 3-May Richard Reich Toolbox equates for peons
19) 4-May ERIK@SRI-AI.ARPA Accurate Info for your column
20) 4-May DBECK@SRI-KL.ARPA support
21) 4-May Ron MacAssembler requires * 2 * Macs!?
22) 4-May Christopher A Kent Re: MacAssembler requires * 2 * Macs!?
23) 4-May Chad Leland Mitchell standalone
24) 4-May Dick Kalagher Re: MacAssembler requires * 2 * Macs!?

```
  25)  4-May Ronald A. Jarrell    fixing a trashed disk
  26)  4-May Ronald A. Jarrell    MacWrite "Feature"
  27)  5-May Peter.Monta@cmu-cs-g Quickdraw bug?
  28)  7-May Walter.Smith at CMU- Re: user's groups
  29)  7-May JSMCCLEES@BBNG.ARPA  macpaint font bug, mac user group
  30)  7-May Tim McNerney         Teaching assembly language programming, Mac s
  31)  7-May Bruce.Lucas at CMU-C bugs
  32)  7-May ERIK@SRI-AI.ARPA     This is not an Apple account
  33)  7-May Bruce.Lucas at CMU-C Finder bug
  34)  7-May Tony Siegman         Query Re RS-232 Interface and Handshaking
  35)  7-May Richard Furuta       What is the University of California's Mac st
  36)  7-May Ronald A. Jarrell    Mac Hardware problem
  37)  7-May John Shore           Req. translation of Lisa error message
  38)  8-May Dale Carstensen C-3  Mactep for 7 bit, even parity
  39)  8-May Tim McNerney         This is not an Apple account
  40)  8-May Randy Frank          Interfacing other disk to a mac

Message 1 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 30 Apr 84 13:18:27-
CDT
Return-Path: <SPECTOR@NYU-CMCL1.ARPA>
Received: from NYU-CMCL1.ARPA by SUMEX-AIM.ARPA with TCP; Sun 29 Apr 84 17:06:13-
PDT
Date: 29 Apr 84 20:08 EDT
From: David Spector
To: info-mac@SUMEX-AIM.ARPA
Sender: David H M Spector <SPECTOR@NYU-CMCL1.ARPA>
Message-ID: <1206EA327.008C002C.1984@CMCL1.NYU-CMCL1.ARPA>
ReSent-date: Mon 30 Apr 84 10:59:19-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;



_______________________________________.
|ARPAnet:     SPECTOR@NYU-CMCL1         |
|USEnet :     ...floyd!cmcl2!acf4!spector|
_______________________________________.



Does anyone have any info regarding Apple shipments to the Consortium Schools?

Is Apple yet making regular deliveries?

         Thanx,
         David Spector


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Message 2 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
```

Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 30 Apr 84 14:51:01-CDT
Mail-From: PATTERMANN created at 30-Apr-84 11:17:44
Date: Mon 30 Apr 84 11:17:44-PDT
From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
Subject: Upgrade of FINDER/WRITE/PAINT
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Mon 30 Apr 84 12:05:18-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

With regards to the upgrade of the FINDER, MACpaint and MACwrite, the dealers should be handling the actual upgrade, and it will be free. Apple will not get any money as a result of the upgrade, although the dealers may make a small charge for the media.

Please don't ask me any questions on this, as this is all I could find out at the moment from Apple.

-- Ed

Message 3 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 10:21:24-CDT
Return-Path: <palevich%atari.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Mon 30 Apr 84 17:35:50-PDT
Received: From atari.csnet by csnet-relay; 30 Apr 84 20:08 EDT
Date: Mon, 30 Apr 84 10:13 PST
From: John Palevich <palevich%atari.csnet@csnet-relay.arpa>
To: info-atari@su-score.arpa
cc: info-mac@sumex-aim.arpa
Subject: Alan Kay
ReSent-date: Tue 1 May 84 08:10:08-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

(the Management page of the business section of the Saturday, April 28, 1984 San Jose Mercury News included the following item, reprinted in its entirety.)

@b{Management changes}

Alan Kay, who recently resigned as a "fellow" at Atari Inc., will join Apple Computer Inc. next week with the same title, his office said Friday.

Kay reportedly was recruited heavily by Apple chairman Steve Jobs but apparently convinced Jobs to let him do most of his work out of his home in Los Angeles.

An Apple spokesman refused to comment Thursday.

When Kay left Atari earlier this month, he said he wanted to "persue some

very basic work in artificial intelligence." Kay is best known for conceptualizing the "Dynabook," a small computer that would seem as much a part of a person as his arm or leg.

Message 4 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 10:33:55-CDT
Return-Path: <STERNLIGHT@USC-ECL.ARPA>
Received: from USC-ECL.ARPA by SUMEX-AIM.ARPA with TCP; Mon 30 Apr 84 19:31:30-PDT
Date: 30 Apr 1984 1930-PDT
From: STERNLIGHT@USC-ECL.ARPA
Subject: Finder/system and Macworks bomb
To: info-mac@SUMEX-AIM
ReSent-date: Tue 1 May 84 08:10:37-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The combination of the new finder/system on the Macterminal demo disk and the Macworks 3.12 sent to developers and marked 'release' seems to bomb on the Lisa when you open scrapbook. The bomb is a new one which is unrecoverable without powering the Lisa down. --david--
----

Message 5 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 11:04:54-CDT
Return-Path: <ERIK@SRI-AI.ARPA>
Received: from SRI-AI.ARPA by SUMEX-AIM.ARPA with TCP; Mon 30 Apr 84 20:42:12-PDT
Date: Mon 30 Apr 84 20:42:45-PDT
From: ERIK@SRI-AI.ARPA
Subject: Japanese Macintosh
To: Info-Mac@SUMEX-AIM.ARPA
cc: Erik@SRI-AI.ARPA
ReSent-date: Tue 1 May 84 08:11:05-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The Japanese Macintosh indeed poses a set of problems different from the modifications required for European products. We want to find the best way to make Macintosh approachable, attractive and affordable to Japanese customers.   Xerox J-Star, IBM 5550 and NEC PC-100 are some of the systems we have evaluated in our quest for solutions and models. The phonetic input method is indeed becoming a standard way to tackle the problem of Kanji. Better solutions (such as Xerox's J-Star) do grammatical pre-processing before conversion into Kanji, thus significantly simplifying the task of the typist. Meanwhile, Apple will put out a Kana Macintosh as a stopgap solution until the full blown Japanese (Kana/Kanji) system is ready. The majority (if not all) of the Japanese MANAGERS do not type and prefer to handwrite their notes: a keyboard is still associated with a typist or secretary. Simplifying the typing process will certainly help in making

computers more appealing to managers. I hope this answers some of the
 questions raised by the Macworld article on International Macs.

Joanna K. Hoffman
International Marketing Manager

Message 6 -- **********

Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 12:11:37-CDT
Return-Path: <rrees@bbncca>
Received: from bbn-unix by SUMEX-AIM.ARPA with TCP; Mon 30 Apr 84 22:15:26-PDT
Received: from BBNCCA.ARPA by BBN-UNIX ; 30 Apr 84 23:00:59 EDT
Date: Mon, 30 Apr 84 22:54:19 EDT
From: Bob Rees <rrees@bbncca>
Subject: 1 vs. 2 floppy drives
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Tue 1 May 84 08:12:49-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

When people point out the "flaws" in the design of the Macintosh, the one most frequently mentioned is the absence of a second built-in floppy disk drive. This seems to be a recurring theme in both computer journal articles and the `info-mac' mailing list. For example, here's a "typical" comment, quoted from the famous Macintosh review in the Feb. 84 issue of BYTE Magazine:

> I also feel strongly that the basic Macintosh package should include two disk drives. With a one-drive system, it will take at least eight disk swaps to back up a 3-1/2 inch disk. How many people (especially novices) will go to this trouble, and how many will suffer when they don't? (I am not alone in feeling this way; the first thing two BYTE editors said when they first saw the Macintosh was, "Only one disk drive? You've got to be kidding!" After numerous disk swaps when trying to load MacPaint from one disk and a drawing from another, I am convinced that most users will eventually buy the second drive.)

I am a little surprised that no one (even for the sake of playing devil's advocate) has expressed the opinion that the single-drive architecture is "a good idea" or even "OK".

In order to judge the wisdom (or lack thereof) behind the design decision, we need to consider the potential uses of the Macintosh. I have attempted to categorize the possible approaches according to disk configuration options. This list is not necessarily all-inclusive:

1) The "Spartan/Cheapskate" Approach: one built-in floppy drive (period).
   Suitable for students, hackers, or anyone else who doesn't place a
   high premium on the value of his/her time. The user does backups by

multiple disk swaps (tedious but effective) or choses to not do backups at all. [There *are* applications where losing data and/or having to regenerate it is a minor inconvenience rather than a disaster, and the cost of doing the backup has to be weighed against the cost of loss multiplied by the probability of loss. Those of us used to storing large original documents (such as program sources or collected raw data) may forget that there are cases where the balance tips the other way.]

2) The "Expanded Memory" Approach: still only one built-in floppy drive, but with 512K bytes of main memory. Not an option yet, but we'll surely see it within a year. Apple plans to offer a board upgrade when the denser RAM chips become more economically feasible. Daring hackers could replace the chips themselves. With a half-meg of memory available, copying a 400K floppy could be done with a single swap! One could claim that having a disk with less capacity than memory represented a serious mismatch, although many applications could make good use of this configuration.

3) The "Standard" Approach: one built-in floppy, one external floppy. Only slighly less convenient than having both built in. Yes, it's obvious that it's going to cost a bit more because of the extra box, cable, and power supply (or does the external drive get its power from the Mac?). One could even argue (though I won't bother) that an external drive was *superior* to a second internal drive because the user is "less likely to get confused" about which disk is is which drive.

4) The "Professional" Approach: one built-in floppy, one external hard disk. The preferred configuration for many business applications. I understand that compatible hard disks are already available, and more are on the way. Certainly more cost-effective than floppy drives when judged on an on-line-bytes-per-buck basis, and the prices should continue to drop as these units become more popular.

5) The "Workstation" Approach: one built-in floppy, one serial line to a local or remote host mainframe. The Mac can be used as a (very) intelligent terminal, and can off-load many interactive tasks (such as document preparation and data entry/verification) from the host. The built-in floppy provides local/personal file storage, while the host provides mass storage.

6) The "Network" Approach: one built-in floppy, one serial line to a local area network. Similar to the "workstation" approach, but the Mac is not tied to any particular host -- in fact, the network need not have any "host" computers at all other than the Macs themselves. However, to eliminate the need for a second disk on each Mac, the network should include at least one file-server host, which provides access to large and/or shared data bases and space for back-up buffering.

Notice that option 2) is the only approach that *needs* the cherished second floppy drive. In all the other options, the elimination of the

(unnecessary) second drive represents a savings to the consumer. I'm not saying that we're saving the *entire* cost of the second drive (I haven't forgotten that Apple is trying to make a profit as well as a sucessful product), but we're certainly saving some of it. And while the "Standard" approach is currently the most popular, it doesn't represent such an overwhelming percentage of the potential applications that it makes sense to include an expensive option in every base unit. If the argument seems weak now, wait a year -- I predict that the "Standard" approach will diminish in (relative) popularity as some of the other approaches become more economically feasible and their advantages become better understood.

As for me, I ordered my Mac without an extra drive. I'll start with the "Spartan/Cheapskate" approach (after all, since there's no software yet, anyone who buys a Mac *now* is in the hacker category anyway), see how painful it is, and when the need arises, chose an option for expanding (there will be more options to chose from then). I'm happy that I didn't have to start by buying into an approach that may not turn out to be best for me in the long run.

I chose to buy a Mac, but I was not so blinded by love that I didn't see its faults and limitations. When I compared it to other personal computers, I counted pros & cons. The absence of a second floppy drive was not something that ended up in my "con" column. I think Apple got this one right.

-- Bob Rees

P.S.: The Macintosh *does* have two serious problems related to the single drive, but the problems are not with the hardware design -- the problems are with marketing and software. The marketing problem is obvious: external drives are simply *unavailable*! (My local Apple dealer has never even seen one.) The software problem is even more annoying. From what I've seen & heard, the software seems to have been designed for a 2-drive system, with the provision for disk swapping added as an afterthought. Little attention was given to reducing the number of times the software had to switch from one disk to another (by using clever buffering schemes and anticipating what code & data should be kept in memory). Given that Apple chose to design a 1-drive machine, it's really unforgivable that they didn't bother to optimize their software for the default configuration.

Message 7 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 19:41:03-CDT
Return-Path: <@MIT-MC:SE.BC@MIT-EECS>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Tue 1 May 84 10:10:30-PDT
Date: Tue 1 May 84 13:10:01-EDT
From: bill coderre <SE.BC%MIT-EECS@MIT-MC.ARPA>
Subject: MacPaint stuff
To: info-mac@SUMEX-AIM.ARPA

ReSent-date: Tue 1 May 84 17:26:19-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The following is a compartmentalized flame. Feel free to ignore the parts you don't like....

An Interesting (MacPaint) Hack:

If you are in Pencil, and you hold the command key, clicking the mouse button toggles FatBits, and where the pencil on the normal screen is centered in the FatBits screen.

Flame:

Too bad this doesn't seem to be in the manual. It's an excellent idea, and points out a Great Concept in mousing (no claims of origin or originality...): GET BOTH HANDS BUSY! Allowing the left hand to option-modify the command increases the bandwidth of the keyboard and speeds things up a lot.

Daydream:

My vision of the ideal workstation keyboard is one with 5 keys on the left side of the keyboard to do single click, double click, constrained click, etc, and a trackball on the right side. This allows lap operation and shortens the hand travel distance. Trackballs can be made to be much more precise, too. It might become possible to do freehand drawing (or at least make it easier).

I might (in the far future) hack together a mackeyboard like that. If any computer company wants to bring out a keyboard like that, by all means go ahead with my blessing. I'd like it.

.....bc

Message 8 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 1 May 84 19:56:35-CDT
Return-Path: <STERNLIGHT@USC-ECL.ARPA>
Received: from USC-ECL.ARPA by SUMEX-AIM.ARPA with TCP; Tue 1 May 84 12:41:28-PDT
Date: 1 May 1984 1237-PDT
From: STERNLIGHT@USC-ECL.ARPA
Subject: Mac configuration
To: info-mac@SUMEX-AIM
ReSent-date: Tue 1 May 84 17:26:21-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Since I`m getting a bit tired of the 1 vs. 2 drives and 512k

discussions, let me offer the following hypothesis: the MAC was originally designed as a 2-drive, 512k machine. Then Apple discovered that they couldn`t get enough drives from Sony and that 512k was too expensive to make it to market before 1985. Not being willing to wait til then, they modified the design to get it out (it was already late). Perhaps (the clue is some software that takes color) the original design even had color. If this is so, it makes some of the handsprings Apple apologists have been turning a bit silly. (I write this as a supporter of the Mac and an Apple registered developer--just want some reasonableness to the discussion.) Note that the hypothesis is entirely my own; I don`t know anything official from Apple about these matters. --david--
----

Message 9 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 2 May 84 12:17:40-CDT
Return-Path: <mark@harvard>
Received: from harvard.UUCP (HARVARD.ARPA.#Internet) by SUMEX-AIM.ARPA with TCP; Wed 2 May 84 08:33:07-PDT
Date: Wed, 2 May 84 11:34:39 edt
From: mark@harvard (Mark Lentczner)
Message-Id: <8405021534.AA19606@harvard.UUCP>
To: SE.BC%MIT-EECS@MIT-MC.ARPA, info-mac@SUMEX-AIM.ARPA
Subject: Re: MacPaint stuff
ReSent-date: Wed 2 May 84 09:41:08-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

-=-
Yes, not very much is documented in that small
pamphlet for MacPaint. On the other hand: 1)
that pamphlet does not claim to be a manual
for MacPaint (read the first two pages), & 2)
the feature you found IS documented, along
with several other fun things under the
Short Cut entry in the Goodies menu when
you are in MacPaint.

I wonder if, since there is also an Introduction
entry in the Goodies menu, Apple never
intended to give ANY printed documentation
on MacPaint... As many of my friends have
proven on my mac- you can just start playing
and never read the printed doc. Pretty
amazing concept!

-mark lentczner
 electronic music studio
 harvard university
      cambridge, ma 02134

Message 10 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 2 May 84 12:37:51-CDT
Mail-From: LATTANZI created at 2-May-84 09:14:36
Date: Wed 2 May 84 09:14:36-PDT
From: len <Lattanzi@SUMEX-AIM.ARPA>
Subject: MacWrite Bug report
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Wed 2 May 84 09:41:37-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Bug: MacWrite hangs when trying to initialize a disk for saving current
     file.

Repeat-by: Use save as... then eject current disk and insert an
     uninitialized disk. Click Initialize in the next dialog box.
     And you'll stare at the message "Initializing Disk" forever.
     There's not even a whir of disk motion.

I tried an interrupt (left hand side "programmers button") but a serious system error ensued. Luckily the file was already saved on another disk.
Caveat,
len

Arpa: Lattanzi@Sumex-Aim.Arpa
Phone: (415) 326-5209
USPS: Box 6032 Stanford Ca 94305

Message 11 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 2 May 84 15:08:36-CDT
Return-Path: <POTTER@OFFICE-2.ARPA>
Received: from OFFICE-2.ARPA by SUMEX-AIM.ARPA with TCP; Wed 2 May 84 11:03:44-PDT
Date: 2-May-84 11:01 PDT
From: David Potter, Softmark/McDonnell Douglas <DAP.TYM@OFFICE-2.ARPA>
Subject: Mice for the Ambidextrous
To: info-mac@SUMEX-AIM.ARPA
Cc: MARKET.TYM@OFFICE-2.ARPA, DCE.TYM@OFFICE-2.ARPA
Cc: DEV.TYM@OFFICE-2.ARPA
Message-ID: <[OFFICE-2.ARPA]TYM-DAP-4L77T>
Comment: An answer to Bill Coderre....
ReSent-date: Wed 2 May 84 12:23:27-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

If Bill Coderre wants something for his left hand to do while his right hand is

busy with the mouse (a most understandable wish), he might be interested in taking a look at AUGMENT, the Tymshare product which evolved from Doug Engelbart's NLS, which was developed at SRI. That's where the mouse itself was invented. Its developers recognized the need for a control device usable by the hand not busy with the mouse, and developed a five-key "keyset." Looks sort of like a little piano keyboard, sitting (usually) to the left of the keyboard, with the mouse on the right.

We've been using the keyset, together with a three-button mouse, since the late 60's (Doug Engelbart -- Engelbart@Office-2.ARPA) could give you a more precise date -- works beautifully, and does just exactly what Bill is asking for. As a matter of fact, I'm using one now -- mouse and keyset hooked to a PC/XT -- to send this message.

It's nice to see people thinking along these lines. They used to laugh when I sat down at the mouse & keyset.... "What's THAT?" they said....

Regards -- David

Message 12 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 2 May 84 19:44:39-CDT
Return-Path: <tecot@cmu-cs-h.arpa>
Received: from CMU-CS-H.ARPA by SUMEX-AIM.ARPA with TCP; Wed 2 May 84 16:19:02-PDT
Date: 2 May 1984 19:21:04-EDT
From: Edward.Tecot at CMU-CS-H
Subject: Re: MacPaint Stuff
ReSent-date: Wed 2 May 84 17:20:13-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The Option-Pencil hack, as well as many others, is mentioned in the short-cuts section of Goodies. You will notice that there are quite a few useful features mentioned there. I prefer having this information there instead of in the manual, for one reason: I don't want to read the manual! Has anyone actually seen a hard disk for the Mac? I would like to know about their reliability/ease of use/availability.

_emt

Message 13 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 11:53:30-CDT
Return-Path: <palevich%atari.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Wed 2 May 84 18:01:33-PDT
Received: From atari.csnet by csnet-relay; 2 May 84 20:40 EDT
Date: Wed, 2 May 84 15:14 PST
From: John Palevich <palevich%atari.csnet@csnet-relay.arpa>
To: info-mac@sumex-aim.arpa

Subject: My (educated) opinion on the Mac's design
ReSent-date: Thu 3 May 84 09:12:04-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The following is the personal opinion of John Howard Palevich, and is not ment, in any way, to reflect the opinion or knowlege of either Apple Computer Inc or Atari Inc. It is based entirely upon publicly available information.

Hi -- I worked on a high-end personal computer design team for a couple of months once, and I think you're all going off the deep end with your Mac speculations. Please remember that Apple is just an ordinary company composed of fallible, short-sighted engineers. The Mac design is great, but it's not part of some grand all-encompassing plan. In particular:

    The Mac will not have color. Ever. Give it up, guys. (More on this later...)

A Mac designer gave an excellent talk at Stanford a while back, during which he gave a bit of the history of the Macintosh:

Remember that the Mac project has been around for a very long time. The original Mac had:

 * a 256 x 256 bit-mapped display
 * 64K of RAM
 * a 8-bit (6809?) processor
 * integrated application software in ROM
 * transportability (original design looked like an Osbourne)
 * a "twiggy" (Lisa-1 style) disk drive

The Mac was (obviously) ment to be a "model-T" machine, with no options.

Anyway, they realized that the ability to display 80-column text was an absolute necessity, so they went to a 320 x 256 display. The 4 x 6 characters that this display produced proved so ugly that they gave up and went to the current 512 x 342 display, which gives an adequate 6 x 8 character size.

A 512 h by 342 v by 1 bit-per-pixel by 60 hz display requires 22K of RAM and a video memory bandwidth of abou 2Mb per second. If you want your processor to have any access to video memory at all, you have to use a 16 bit data bus. (All other things being equal, a 16-bit bus transfers data twice as quicly as an 8-bit bus.)

Sixteen 64K-by-1 RAM chips give you 128K of RAM, and by this time the 68000 had become cheap, and was being used on the Lisa project, so they adopted it.

Inspection of the "Inside Macintosh" manual, "User Interface Guidelines", page 67, dated 10/11/82, reveals a Macintosh which is pretty similar to the one we know today. The only difference is that the disk drive's capacity is rated as 840K.

WHY WE HAVE ONLY 400K ON OUR DISKS

The Mac was designed to use the fabled "Twiggy" drives. These drives, designed for the Lisa computer, use 5 and 1/4 inch diskettes, store 840K by using both sides of the diskette surface, and have a reputation for being unreliable.

Halfway through the Mac project, they decided to go with the fancy new Sony 3 and 1/2 inch drives for a number of reasons which can only be guessed at. I suspect that influencing factors included:

* Sony diskettes could store the same ammount of data as the Twiggy drives
* Sony hardware is superb
* Sony hardware is cheap
* The diskette's physical format was becomming a standard

This design change was made late in the game -- Apple had already made the molds for the Mac cases with the larger cut-outs for the Twiggy drives. If you look at the photos on pages 128 and 130 of the "Premier" issue of Macworld, you'll see Macintoshs with the larger cut-outs.

The only problem was that Sony couldn't make double sided drives in quantity, so we're stuck with single sided, 400K drives for a year or two.

WHAT DO YOU MEAN, NO COLOR?

Just that. Quickdraw has a tiny little hook in it for drawing on multiple bit-planes, and this might be of some use in preparing bit-maps for displaying multiple colors on a color printer. But that's it. The Mac is steeped in software concepts developed solely for high resolution black-and-white displays. Nobody has shown that color is useful for Mac-type applications, and high resolution color monitors are extremely expensive. ($600 for RGBI, MUCH more if you want grey scale.)

Color is superb for games and for pictures, but it requires a vast ammount of RAM, computational power, custom display chips, and expensive monitors. In ten years, everyone'll have a color display, but right now, for a software-intensive, cheap, personal computer, black & white is the way to go.

RUMORS, RUMORS, RUMORS

Careful inspection of the "Inside Macintosh" documents yields some titilating odds & ends. On page 30 of the "User Interface Guidelines", under Desk Accessories, a list of standard desk accessories are given, including: "Telegram Form and In-Box (AppleGram)". I think that this is the tip of the AppleNet iceberg.

In the "Application" section, a printout of some sample application programs are given. These printouts are probably from an Apple laser printer. One tell-tale mark of a networked laser printer is the print-job sepereator, a visual mark printed on the paper to indicate the start of a new print-job. The grey bar running down the right hand side of the first page of each of the listings serves this purpose. (Goodness, it also looks like QuickDraw was used to scan-convert for the laser printer page. My, but a general-purpose set of bit-map routines is useful!)

Although there is absolutely no economic reason for Apple to make a LCD display for the Mac, it's not much harder than the one they're trying to make for the Apple IIc.

The Apple IIc has two serial ports and a mouse port, just like the Mac. At least the company is being consistent in it's belief that the user really doesn't need expansion slots.

WHAT DOES IT ALL MEAN?

1) The Mac's a pretty nifty machine.

2) Apple will make a great deal of money.

3) The guy on the wall-screen in the Mac commercial is more likely to be Mr. Jobs than any of his competitors. After all, the Mac screen is black & white, while the IBM PC is color. . . .

Message 14 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 12:31:06-CDT
Return-Path: <palevich%atari.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Wed 2 May 84 18:01:50-PDT
Received: From atari.csnet by csnet-relay; 2 May 84 20:41 EDT
Date: Wed, 2 May 84 15:18 PST
From: John Palevich <palevich%atari.csnet@csnet-relay.arpa>
To: info-mac@sumex-aim.arpa
Subject: How to transfer a Mac file?
ReSent-date: Thu 3 May 84 09:12:08-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Is there a standard format for transmiting the whole of a Macintosh file, both the data and the resource parts? Is the only format sort of buried inside MacTerm? I'd sure like to be able to transfer files and programes over the phones to other computers. . . .

On a related note, anybody hear of a Macintosh user's group getting started?

Message 15 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 12:56:38-CDT
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 00:55:50-PDT
Date: 3 May 1984 03:54-EDT
From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: deadlines
To: INFO-MAC @ MIT-MC
ReSent-date: Thu 3 May 84 09:12:14-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>

ReSent-To: info-mac: ;

I have a column deadline first part of next week. Would appreciate information/comments on:

1. I have sources say that the reson you cannot get your Macdisk fixed if it dies (and many do) is that the replacement drives are being kludged by hackers to make second drives for their systems, and are being bought out the back doors of stores. May not be true, but I can certainly get goot source materials.

2. Is there ANY available applications software for Macintosh as of this date? (Not what will be out next week...)

3. A correspondent tells of buying a Mac which died within an hour. The store quoted a four week time to fix; Apple policy forbids supplying him with one from pipeline and swapping live for dead unit; calls to Apple produced sympathy from those taking call, but return call saying that was indeed policy. (Reader got refund and bought Kaypro.) Is this indeed Apple policy, and if so, why?

I have a Mac. It's much fun. I agree that many people who would never play with computers find it fascinating. Without software, languages, or assembler, it m ay be a bit costly for some of us.

Message 16 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 13:15:13-CDT
Return-Path: <dba@cmu-cs-g.arpa>
Received: from CMU-CS-G.ARPA by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 05:50:50-PDT
Date: 3 May 1984 08:41:15-EDT
From: David.Anderson at CMU-CS-G
Subject: What's in the manual?
ReSent-date: Thu 3 May 84 09:12:16-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

However, if you did read the manual you might find this under the entry for the command key under "Other Special Keys" on page 32:

> Enter and leave FatBits by clicking in the drawing window with the pencil.

On the matter of locking files, and what sort of protection to expect, the Macintosh Owner's Manual states on page 105 that

> The Locked check box allows you to lock a document or application. When the Locked box is checked, that document or application can't be disposed of or replaced (either by saving or copying from

another disk). It can be moved, its comment box can be edited, and it can be duplicated.

So the behavior mentioned previously on this list should be treated as a BUG.

Message 17 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 13:35:45-CDT
Return-Path: <INTMET@BBNA.ARPA>
Received: from BBNA.ARPA by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 07:14:34-PDT
Date: Thu 3 May 84 10:12:41-EDT
From: INTMET@BBNA.ARPA
Subject: MacForth Users Group.
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Thu 3 May 84 09:12:23-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

If those people that have aquired MacForth send me their net mail address I will gather a list of MacForth users and send it to everybody on said list, creating a kind of broadcast n way mailing list. Sad to say I don't have the resources to manage a centralized list. I recieved some bug fixes from Creative solutions today. ben hyde
----

Message 18 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 3 May 84 18:17:41-CDT
Return-Path: <REICH@NYU-ACF1.ARPA>
Received: from NYU-ACF1.ARPA by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 15:35:21-PDT
Date: 3 May 84 18:34 EDT
From: Richard Reich <REICH@NYU-ACF1.ARPA>
To: INFO-MAC@SUMEX-AIM.ARPA
Subject: Toolbox equates for peons
Message-ID: <124660CC3.05430040.1984@ACF1.NYU-ACF1.ARPA>
ReSent-date: Thu 3 May 84 15:37:38-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Will some certified developer please place the text of the Toolbox and QD equates files on a host allowing Anonymous FTP's??
I expect I am not the only peon, rejected for CD status by Apple, who believes that they can perhaps actually write a program for the Mac despite Apple's opinion. If the material I'm requesting is protected by copyright or non-disclosure please let me know (and we can work out an accident).
Thanks.
-r

Message 19 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 11:47:10-CDT
Return-Path: <ERIK@SRI-AI.ARPA>
Received: from SRI-AI.ARPA by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 20:19:59-PDT
Date: Thu 3 May 84 18:52:41-PDT
From: ERIK@SRI-AI.ARPA
Subject: Accurate Info for your column
To: Pourne@MIT-MC.ARPA
cc: Info-Mac@SUMEX-AIM.ARPA
ReSent-date: Fri 4 May 84 09:15:51-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Dear Jerry,

Here's some accurate information for next week's column.

1. The external 3 1/2 " drive for Macintosh will be available for sale at all dealers next week. The Sony drives are extremely reliable, and failure rates are very low.

2. Currently there are 9 applications out for Macintosh:
  MacWrite, MacPaint from Apple;
  MultiPlan and Basic from Microsoft;
  MAGICPhone by Artsci;
  ClickArt by T/Maker Graphics;
  MacForth by Creative Solutions;
  Transylvania by Penguin Software;
  and MegaMerge by MegaHaus.

In May developers expect to ship ten applications (including Microsoft Chart), and in June there should be at least 35 additional applications (eg. Macintosh Pascal).

3. All Apple products are under 90 day warranty. All Dealers are required to stock spare parts for our computers. The Macintosh reliability rate has been extremely high. I'm surprised to hear that this particular person has had trouble with servicing his Macintosh. If he would call Apple (Donna Dubinsky, Manager of Distribution) in Cupertino I'm sure she would be more than happy to help solve the problem.

Hope you continue to enjoy your Macintosh.

Barbara Koalkin
Macintosh Product Marketing Manager

Message 20 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 12:00:37-CDT

Return-Path: <DBECK@SRI-KL.ARPA>
Received: from SRI-KL.ARPA by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 07:20:23-PDT
Date: Fri 4 May 84 07:23:33-PDT
From: DBECK@SRI-KL.ARPA
Subject: support
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Fri 4 May 84 09:16:22-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Those waiting for third party support for the Mac, and those contemplatin{_g
purchase, should consider the letter sent by Macworld to "Charter Subscribers".
It says in part, "our estimate is that the majority of products for the
Macintosh will not be available until later in the year." In other words
don't hold your breath (support) and take your time (purchase). Interpolation
is my own.
Doug Beck dbeck@sri-kl

Message 21 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 12:20:15-
CDT
Return-Path: <FISCHER@RUTGERS.ARPA>
Received: from RUTGERS.ARPA by SUMEX-AIM.ARPA with TCP; Thu 3 May 84 13:41:10-PDT
Date: 3 May 84 16:41:36 EDT
From: Ron <FISCHER@RUTGERS.ARPA>
Subject: MacAssembler requires * 2 * Macs!?
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Fri 4 May 84 09:18:17-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

     Here at Rutgers we're interested in using Macs to teach intro
computing courses. The current versions of these courses use Pascal and
Macro-11 assembler. Now the problem...

     We talked to an Apple person and they informed us that
MacAssembler requries 2 Macintoshes, one having the development
environment, the other, a small debugging monitor in its kernel. The
Macs are connected by their printer ports.

     A note in the conversation that seemed even more ominous was
the representative saying that Apple does not plan to produce
standalone development environments for the Macintosh. But what about
the "C" that has been announced for end of summer? Perhaps it isn't
for real?

     BTW, AppleNet has been cancelled whilst IBM finalizes its own
networking plans. Recall that Apple wishes to be compatible with this
standard.

(ron)

Message 22 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 15:50:44-CDT
Return-Path: <cak@Purdue.ARPA>
Received: from merlin.ARPA (PURDUE-MERLIN.ARPA.#Internet) by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 09:52:18-PDT
From: Christopher A Kent <cak@Purdue.ARPA>
Message-Id: <8405041652.AA14632@merlin.ARPA>
Received: by merlin.ARPA; Fri, 4 May 84 11:52:11 est
Date: 4 May 1984 1152-EST (Friday)
To: Ron <FISCHER@RUTGERS.ARPA>
Cc: info-mac@SUMEX-AIM.ARPA
Subject: Re: MacAssembler requires * 2 * Macs!?
In-Reply-To: Your message of 3 May 84 16:41:36 EDT.
             <8405041648.AA01534>
ReSent-date: Fri 4 May 84 13:08:23-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I thought the C environment was going to come from Microsoft, not
Apple, so of course "they" aren't going to produce a standalong
development environment for the Mac. Is Microsoft listening? Would
someone from there care to comment?

chris

Message 23 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 17:30:26-CDT
Return-Path: <M.CHAD@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 14:07:21-PDT
Date: Fri 4 May 84 14:03:27-PDT
From: Chad Leland Mitchell <M.CHAD@SU-SIERRA.ARPA>
Subject: standalone
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Fri 4 May 84 14:40:22-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

It depends what you call stand alone. Apple has told me that they will have
a compiled Pascal by the end of the year. The problem with both that and the
assembler is that to run the fancy debugger you need two Macs. (You can
certainly develop, compile, and test with just one.) Since the Mac has no
hardware memory management, a program under test could easily write into a
debugger's data space and in any case it would have to somehow share the
screen and limited RAM with the debugger. The interpreted Pascal and Basic
avoid this problem by limiting what can be done, but for the assembler and

compiled Pascal you would certainly want control of the full screen, menus, etc. The fancy debugger thus winds up on a second machine and built into the ROM is some kind of manager which allows the program being debugged to have the machine only sacrificing a tiny amount of RAM for some debugger state. I am sure that there will be languages with "stand alone" debuggers, but they will not be as nice as what can be done with two machines. Maybe when we have 512 you could have a debugger which would have its own copy of the entire screen and you could toggle between the application screen and the development screen.

For Jerry:
I know several students who feel that the Mac already has the programs they need. With just MacWrite and MacPaint they consider it the ideal homework machine. What other serious things could they need? They suggest maybe a spread sheet program (MultiPlan is out and the new version seems to work) and a few games (a few are already announced). They seem to feel that they can do everything on a Mac right now that they would be doing on any other machine and do it better. They would like to see sub/super scripts and longer files in MacWrite but a new release of it has been announced. They claim that they would rather segment papers for the time being on the Mac than deal with any of the ^X^Y^S.C.L style word processors they have used before, but they they are not hackers. They are of course hoping for even better software and sooner or later they will get it, but they are already satisfied and find the Mac a useful and important tool.

About Color:
There are two DIFFERENT color mechanisms according to my copy of Inside Macintosh. One is the one mentioned in a previous message which tells which of 32 bit planes in which to draw and is called by printing software for a color printer or other color imaging software.
The other color mechanism is accessed by routines that set the foreground and background color of the pen. Thus you CAN set it to red and draw a box and then to blue and draw a circle or some text. It is very clear that this second mechanism is for the screen so I think that we may very well see color eventually. They even have predefined constants for colors red, green, blue, cyan, magenta, yellow and of course black and white and carefully specify that if you write to the screen in any color other than white it uses black instead for present.

Chad

Message 24 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 18:23:26-CDT
Return-Path: <kalagher@mitre>
Received: from mitre by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 15:24:52-PDT
Date: 4 May 1984 18:17:57 EDT (Friday)
From: Dick Kalagher <kalagher@mitre>
Subject: Re: MacAssembler requires * 2 * Macs!?
In-Reply-to: Your message of 3 May 84 16:41:36 EDT
To: Ron <FISCHER@RUTGERS.ARPA>
Cc: info-mac at sumex-aim, erik at sri-ai, kalagher@mitre

ReSent-date: Fri 4 May 84 15:46:16-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I remember reading someplace that one of the major reasons Texas Instruments
failed with the 99/4 was that they "correctly concluded that the hobbiests
and hackers were a small part of their customer base, but incorrectly
concluded that therefore they were unimportant"

Perhaps Apple can survive with software from the big houses. But don't
forget, Apple, that the hackers (I use this term in the positive sense)
are the ones giving advice to others on what computer to buy. They also
run users groups, write books and magazines articles, and develop
much public domain software for free. Don't forget that it was software
availability that made the Apple II so popular-- and it wasn't 1-2-3
and Wordstar.

So what am I leading up to? Well, I love my Mac and I can't wait to program
it. First I find out that not only is MS-BASIC a dog, but I can only
use 10-15 percent of the memory. Than I hear that PASCAL is really only
meant for learning and is definately not for software development. FORTH
might be OK once the bugs are out, but you need a licence to distribute
software. So I rest my hopes on the assembler. But now I hear it
will take TWO MACS!!

Come on Apple. You designed a great machine. Don't blow it by playing
games with your best free advertizing media. I'm sure if you try
you can develop an assembler (or PASCAL compiler) that can run on one
MAC.

Dick Kalagher

Message 25 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 23:32:38-
CDT
Return-Path: <TSDTEST%VPIVAX3.BITNET@Berkeley>
Received: from UCB-VAX.ARPA by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 17:29:55-PDT
Received: from ucbjade.CC.Berkeley.ARPA (ucbjade.ARPA) by UCB-VAX.ARPA (4.24/4.27)
     id AA14153; Fri, 4 May 84 01:25:58 pdt
Received: by ucbjade.CC.Berkeley.ARPA
     (4.14.3/4.16) id AA21666; Fri, 4 May 84 01:26:03 pdt
Message-Id: <8405040826.AA21666@ucbjade.CC.Berkeley.ARPA>
Date: Fri, 4-MAY-1984 04:14 EDT
From: Ronald A. Jarrell <TSDTEST%VPIVAX3.BITNET@Berkeley>
To: info-mac@sumex-aim.ARPA
Reply-To: TSDTEST%VPIVAX3.BITNET@BERKELEY.ARPA
Subject: fixing a trashed disk
ReSent-date: Fri 4 May 84 20:49:05-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I had a problem with a destroyed disk too. At 1am one morning I was
playing with MacPaint, and decided to center the simple screen drawing
I had made on the page. I moved it with the show page option. Of course,
the mac then had to create a disk copy so it could page section in and out now.
Well, there wasn't enough room on my paint disk to do that, which it
promptly warned me of with the "Running out of room... OK" box. Sure, I said
ok, then saved. Disk overflowed. No sweat. Start the cycle over again..
"Running out of room...OK" "Yes, save on *another* disk.." (it saved great).
MacPaint then quietly stopped. I wanted to print it, so I checked my file
size. Yep, there was enough room to put the painting back on the macpaint
disk and print it. A few K left over too. I used the finder to copy it.
I then got into Macpaint. First thing it did was tell me the disk was "Running
out of room... OK"... Then promptly destroyed my disk with whatever it did
upon terminating. Got ID 13's when booting, and 2's when reading after booting
of another disk. Luckily after the 4 attempt I remembered Bruce's advice
about using Option-Command. (Course, I didn't remember which keys they were,
just had a hunch from the way the mac philosphy seemed to be going..)
I tried it, and got EVERYTHING back, minus the folders.. No Biggie, folders
are easy to make, especially since the Empty folder was there. I also
lost my Info boxes, which was slightly less nice, but recoverable with a little
searching of files. The only bad point about this (besides the fact it
shouldn't had happened) is that this is NOT DOCUMENTED! If I wasn't
reading this list, I would have basically lost a disk until I could find
a magnet to unformat it. It would have been nice to find this note on the
same sheet as the improved copying information was found! The systems
user friendly.. the documentation isn't..

        -Ron

Message 26 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 4 May 84 23:51:39-
CDT
Return-Path: <TSDTEST%VPIVAX3.BITNET@Berkeley>
Received: from UCB-VAX.ARPA by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 19:40:21-PDT
Received: from ucbjade.CC.Berkeley.ARPA (ucbjade.ARPA) by UCB-VAX.ARPA (4.24/4.27)
     id AA14014; Fri, 4 May 84 01:15:38 pdt
Received: by ucbjade.CC.Berkeley.ARPA
     (4.14.3/4.16) id AA21590; Fri, 4 May 84 01:15:53 pdt
Message-Id: <8405040815.AA21590@ucbjade.CC.Berkeley.ARPA>
Date: Fri, 4-MAY-1984 04:08 EDT
From: Ronald A. Jarrell <TSDTEST%VPIVAX3.BITNET@Berkeley>
To: info-mac@sumex-aim.ARPA
Reply-To: TSDTEST%VPIVAX3.BITNET@BERKELEY.ARPA
Subject: MacWrite "Feature"
ReSent-date: Fri 4 May 84 20:49:08-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Interesting little thing popped up while I was using MacWrite. I had a 5+

page document I had written to experiment with MacWrite. I added a header and a footer to the document, and printed it out. I went through each of the modes to check the differences. Draft mode is nice and fast, except for one minor problem.. With the header option on, the Mac writes them as seperate files. This is natural since it's 3 different windows and not just a "snapshot" of the file as in other modes. The Mac will meriily whip off a page, print the footer (in this case a page number and string of text) do a "formsuck", print any header text at the top of the page it just printed, line feed, think a moment, go back and print things like date time, formfeed, and start the cycle again for the next page... I think a little optimization is in order. I tried rearranging the windows to put header on top, but the Mac has it's own internal order it is concerned with. Amazing how much time 5 formsucks and 5 formfeeds add to the print time..

I was impressed with the Imagewriters ability to actually *do* a formsuck. Most single tractor printers can't easily. According to the manual there is a wealth of things the beastie can do. It also seems too have prodigious print buffer.

        -Ron

Message 27 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Sat 5 May 84 00:06:27-CDT
Return-Path: <monta@cmu-cs-g.arpa>
Received: from CMU-CS-G.ARPA by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 21:01:12-PDT
Date: Friday, 4 May 1984 23:52:11 EDT
From: Peter.Monta@cmu-cs-g.arpa
To: info-mac@sumex-aim.arpa
Subject: Quickdraw bug?
Message-ID: <1984.5.5.3.40.28.Peter.Monta@cmu-cs-g.arpa>
ReSent-date: Fri 4 May 84 21:18:35-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

There seems to be some sort of asymmetry in the ellipse drawer. From within MacPaint, set the black pattern and toggle into FatBits mode. Draw 3x5 pixel and 5x3 pixel filled ellipses. One will be a rectangle and the other will have corners chopped. The effect is most noticeable when drawing long narrow (3 pixels) horizontal ellipses.

Pete (monta@cmu-cs-g)

Message 28 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 19:39:39-CDT
Return-Path: <wrs@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Sat 5 May 84 15:45:01-PDT
Date: 5 May 1984 18:35:21-EDT
From: Walter.Smith at CMU-CS-SPICE

Subject: Re: user's groups
ReSent-date: Mon 7 May 84 16:58:23-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

CMU now has a Mac user's group. Here's a post made on our local Macintosh bboard:

If any of you out there need support for your Macs, the CMU Macintosh Users Group can help. We are an established group (well, three months at least) and will be gettting all sorts of goodies (software, mainly) starting next semester. Our next meeting is next semester. Write for details.

Scott MacPherson
(sm1p@cmu-cc-td)

Anybody else have a user's group? Maybe we can exchange newsletters or something...

- Walter Smith (wrs@cmu-cs-spice.arpa)

Message 29 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 19:51:09-CDT
Return-Path: <JSMCCLEES@BBNG.ARPA>
Received: from BBNG.ARPA by SUMEX-AIM.ARPA with TCP; Sat 5 May 84 18:32:01-PDT
Date: Sat, 5 May 1984 21:30 EDT
Message-ID: <JSMCCLEES.12013027443.BABYL@BBNG>
From: JSMCCLEES@BBNG.ARPA
To: info-mac@SUMEX-AIM.ARPA
cc: klotz@BBNG.ARPA, jsmcclees@BBNG.ARPA
Subject: macpaint font bug, mac user group
ReSent-date: Mon 7 May 84 16:58:25-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

MacPaint has trouble handling text running off the right side of the screen. For instance, select 18 pt. Athens underline & outline; now hold down shift-option-' (upper left key). Those adorable pawprints lead to a ferocious system error (ID=28).

The Boston Computer Society has a new Mac user group. It meets on the second Wednesday of each month. Upcoming mtg. May 9 at Mass. College of Art, Tower Auditorium, 721 Huntington Ave., Boston (2 blocks past MFA). Time: 7:30 pm.

Mark Eckenwiler (jsmcclees@bbng)

Message 30 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>

Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 19:59:11-CDT
Return-Path: <TIM@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Fri 4 May 84 22:21:42-PDT
Date: 5 May 1984 01:20-EDT
From: Tim McNerney <TIM @ MIT-MC>
Subject: Teaching assembly language programming, Mac style
To: FISCHER @ RUTGERS
cc: TIM @ MIT-MC, info-mac @ SUMEX-AIM
In-reply-to: Msg of 3 May 84 16:41:36 EDT from Ron <FISCHER at RUTGERS.ARPA>
ReSent-date: Mon 7 May 84 16:58:21-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

While the two Mac arrangement will be indispensible to DEVELOPERS
who want full control of the screen for their software products, for
TEACHING purposes, the MacAssembler is probably not the right thing.
When programming in assembly language it is so easy to screw oneself
that for students first learning about how machines work inside, a
constrained environment like MacPascal is much preferable.

It looks like there is a need for a EDUCATIONAL PRODUCT here folks!
How about a 68000 assembler and a very "careful" stepper/debugger
that provides extensive error checking and displays the state of
the registers and relevant segments of memory while the program is
running? How about providing a "dial" that you can turn to slow
your program down to a comfortable crawl if things are happening
too quickly?

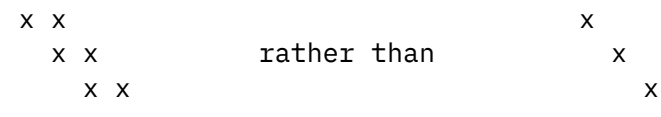
Remember the days when computers had blinking lights, and you could
tell what your program was doing just by gazing at the dancing patterns,
or by sticking an FM radio next to the processor and listening to the
buzzing and humming? Well, times haven't changed that much, we just
have "bitmapped displays" instead of "front panels" and "sound
generator chips" instead of transistor radios, that's all...

    Tim McNerney
    <TIM at MIT-MC.ARPA>

Message 31 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 20:03:40-CDT
Return-Path: <bdl@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Sun 6 May 84 12:08:07-PDT
Date: 6 May 1984 15:03:43-EDT
From: Bruce.Lucas at CMU-CS-IUS
Subject: bugs
ReSent-date: Mon 7 May 84 16:58:27-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>

ReSent-To: info-mac: ;

The Quickdraw bug in ellipses you mentioned isn't the only one: long skinny ellipses have points missing. Also, the 45-degree portions of circles are like



which some might consider a bug, others a feature.

Is there any way to print the Notepad? I haven't found one (short of putting it in a MacWrite document...) Sure would be nice, e.g. so I don't have to lug my Mac with me to the grocery store. Should use draft mode.

Also, selection extension (with shift-click) works differently in MacWrite and Notepad; in particular shift-clicks before the beginning of the original selection point behave differently. Consider a line a....b....c. Click at b, shift-click c, selection is from b to c. Now shift-click a; in MacWrite, selection is from a to b; in Notepad from a to c. Tsk-tsk.

Message 32 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 20:15:12-CDT
Return-Path: <ERIK@SRI-AI.ARPA>
Received: from SRI-AI.ARPA by SUMEX-AIM.ARPA with TCP; Sun 6 May 84 15:42:13-PDT
Date: Sun 6 May 84 15:44:50-PDT
From: ERIK@SRI-AI.ARPA
Subject: This is not an Apple account
To: info-mac@SUMEX-AIM.ARPA
cc: Erik@SRI-AI.ARPA
ReSent-date: Mon 7 May 84 16:58:32-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Although I have on occasion answered questions about Mac and Apple, this is NOT an Apple mailbox. I'll take bug reports but can't answer any more questions. Mail of personal interest is always welcome, however.

Thanks
Bruce
(Erik@SRI-AI)

Message 33 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 20:28:10-CDT
Return-Path: <bdl@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 12:22:38-PDT

Date: 7 May 1984 13:29:59-EDT
From: Bruce.Lucas at CMU-CS-IUS
Subject: Finder bug
ReSent-date: Mon 7 May 84 16:58:34-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

After the Finder repairs your disk, it is confused about where the icons go in the disk window. In particular, if you select "clean up" the icons get bumped up to the very top of the window, instead of leaving a little border. Rebooting takes care of the problem.

This occurred under the following circumstances: after working with the Mac for a while I began to notice that the Finder was taking a LONG time to start up after an application quit (it seemed to be going back and forth between two tracks several times), and that MacWrite documents (both existing and newly created ones) were being shown with a plain document icon (not the document with lines of text). Then after doing some folder rearranging, the Finder said there wasn't enough room on the disk to store the changes (even though the disk window said 32k). I rebooted (I think), and the Finder repaired the disk, which cured everything--except the icons were put in the wrong place by "clean up", and rebooting again solved that.

Message 34 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 20:40:12-CDT
Return-Path: <SIEGMAN@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 12:29:47-PDT
Date: Sun 6 May 84 22:37:46-PDT
From: Tony Siegman <SIEGMAN@SU-SIERRA.ARPA>
Subject: Query Re RS-232 Interface and Handshaking
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Mon 7 May 84 16:58:38-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I want to drive a Hewlett-Packard 7470A Graphics Plotter that has an RS-232 interface from the Mac running either Microsoft Basic or MacBasic, and would appreciate information on what handshaking support is available from the RS-232 port on the Mac when using either of these programs.

The hp 7470A thinks it's a terminal, and I appreciate that a null modem cable which interchanges pins 2 and 3 between Mac and the plotter will probably be required. However, the plotter can then be set to do either hardwire handshaking via pin 20 (DTR), if the computer it's talking to monitors that signal; or Xon-Xoff handshaking.

After a certain amount of grief in attempting to interface this plotter to a TRS-80 Model 100, I found that the Model 100 does not monitor the hardwire handshake when running Basic (though you can PEEK

at that pin and monitor it yourself, if you want to); but the Xon-Xoff protocol does work automatically, if you OPEN the comm line right.

     Can anyone tell me what I'll encounter with the Mac?

Message 35 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 20:51:44-CDT
Return-Path: <FURUTA@WASHINGTON.ARPA>
Received: from WASHINGTON.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 12:29:49-PDT
Date: Mon 7 May 84 11:53:03-PDT
From: Richard Furuta <Furuta@WASHINGTON.ARPA>
Subject: What is the University of California's Mac status?
To: info-mac@SUMEX-AIM.ARPA
cc: Furuta@WASHINGTON.ARPA
ReSent-date: Mon 7 May 84 16:58:40-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I've heard reports that the University of California was negotiating as a whole with Apple either for membership in the Apple Consortium or for some sort of discount on purchases of MacIntoshes. When I first heard this report, a month or two ago, the agreement was supposed to be "very close." However, I've not heard anything since then.

If someone knows about the status of any U.C./Apple agreements, I'd appreciate it if they could contact me with the current information.

Thanks very much.

                        --Rick

Message 36 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 21:04:12-CDT
Return-Path: <TSDTEST%VPIVAX3.BITNET@Berkeley>
Received: from UCB-VAX.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 13:24:22-PDT
Received: from ucbjade.CC.Berkeley.ARPA (ucbjade.ARPA) by UCB-VAX.ARPA (4.24/4.27)
     id AA26187; Mon, 7 May 84 13:23:56 pdt
Received: by ucbjade.CC.Berkeley.ARPA
     (4.14.3/4.16) id AA08872; Mon, 7 May 84 13:24:25 pdt
Message-Id: <8405072024.AA08872@ucbjade.CC.Berkeley.ARPA>
Date: Mon, 7-MAY-1984 16:21 EDT
From: Ronald A. Jarrell <TSDTEST%VPIVAX3.BITNET@Berkeley>
To: info-mac@sumex-aim.ARPA
Reply-To: TSDTEST%VPIVAX3.BITNET@BERKELEY.ARPA

Subject: Mac Hardware problem
ReSent-date: Mon 7 May 84 16:58:44-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

A few Mac's seem to have been shipped witha logic problem.. Mine and
at least one other from my dealer have to get a new board because the clock
is running at half speed. 2 real seconds to a Mac second.

        -Ron

Message 37 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 7 May 84 21:17:45-
CDT
Return-Path: <shore@nrl-css.arpa>
Received: from nrl-css.arpa by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 15:07:46-PDT
From: John Shore <shore@NRL-CSS>
Date: Mon, 7 May 84 18:02:46 EDT
To: info-mac at sumex-aim
Subject: Req. translation of Lisa error message
Cc: shore at NRL-CSS
ReSent-date: Mon 7 May 84 16:58:46-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I'm running 2.0 on a Lisa 2/5 and have suddenly started getting
a rash of "...technical difficulties...system will restart" messages
when opening up a document or starting a backup operation. In every
case the message number is 1033/21/n, where n=2759360 when I'm opening
a LisaTerminal, LisaWrite, or LisaCalc document. For other operations,
n is some other large number (looks like a disk address?).   The problem
is intermittent.

I called the Apple "support" hot line, only to be told that the error
usually occurs when pasting from Term to Write -- I've encountered that
bug, and it's not the cause of my current problem. The person at Apple
claimed that the value for n probably came from a line number and that
the numbers were *undocumented* -- no-one there could tell me what they
meant. Ridiculous.

Can anyone out there tell me what the numbers mean? I'm reluctant to
just reinstall the system and repair the disk since the last two times I've
done the repair the system trashed some crucial directory files and cost
me several days work (Apple tells me that this problem is also known to
occur but the they don't understand it yet!).

js

Message 38 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 00:37:29-CDT
Return-Path: <dlc@lanl>
Received: from lanl by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 20:47:15-PDT
Date: 5 May 1984 23:36:26-MDT
From: Dale Carstensen C-3 <dlc@lanl>
Reply-to: dlc@lanl
To: info-mac@lanl
Subject: Mactep for 7 bit, even parity
ReSent-date: Mon 7 May 84 21:32:26-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

About 10 years ago, the data communications people at the Los Alamos (then Scientific, now National) Laboratory decided to use parity on asynchronous lines, and even parity at that. It may have had to do with the default configuration of Texas Instruments "silent 700" terminals, or someone may have thought that bad lines could be determined by noticing high error rates (they never had time to seriously monitor lines no one was complaining about, because were complaining about so many other lines). But 7 bit, even parity, seems to be here to stay .. so ..Mactep does nothing about character length or parity in the "SCC," the Zilog or AMD 8530 chip in the Macintosh, and Mactep as sent over "info-mac" will not work on the Integrated Computer Network at the Los Alamos National Laboratory.

I made some changes to Mactep so that it will work, and ran into enough problems that I think sharing the changes will save others a few hours, in the unlikely event their computer cares about parity.

The main problem I had was guessing the bits to set in the 8530 write registers 3, 4, and 5. Particularly the D5 and D4 bits of WR4. One would think that the sync character length would make no difference when one is in asynchronous mode, but the changes didn't work until I set both of these bits, which is the code the table calls "external sync mode."

It would have been so much easier if one could read these control registers, but I suppose it is already difficult to put the functions the 8530 has on a single chip.

I also noticed that Motorola data sheets for the 68000 include assembler mnemonics for the instructions, but not the bit patterns in the instructions! I guess these sheets are still preliminary, or the Motorola technical writers could never figure out how to document the bit patterns. The 68120 has a very nice description, though.

The mods I made follow -- one note is that I think odd parity, 7 bit characters can be selected by making the 77 in 9154 a 75.

```
9151 INPUT "7 bit even (Y/N)", BSC$
9152 IF BSC$<>"Y" AND BSC$<>"y" THEN GOTO 9157
9153 R=3:X=&H41:WXCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
9154 R=4:X=&H77:WSCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
9155 R=5:X=&HAA:WSCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
9156 GOTO 9160
9157 R=3:X=&HC1:WSCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
9158 R=4:X=&H74:WSCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
9159 R=5:X=&HEA:WSCCB!=VARPTR(ML(0)):CALL WSCCB!(R,X)
```

Dale Carstensen (dlc@lanl-a, lanl-a!dlc, or denelcor!dcarst)

Message 39 -- **********

Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 00:56:31-CDT
Return-Path: <TIM@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 21:18:37-PDT
Date: 7 May 1984 23:38-EDT
From: Tim McNerney <TIM @ MIT-MC>
Subject: This is not an Apple account
To: ERIK @ SRI-AI
cc: info-mac @ SUMEX-AIM
ReSent-date: Mon 7 May 84 21:32:28-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Thank you for the time you have spent answering questions, taking bug reports, and playing go-between for Apple, but since it not your job, there should really be an "official" Apple mailbox and a person whose job it is to monitor this list and pass on useful info when possible. I noticed that you often forward mail from Apple people. This service has also been much appreciated, but shouldn't there be a way for them to "speak for themselves"?

I am not proposing that Apple start giving away lots of free technical advice, but this list has potential for providing a wonderful two-way exchange medium between Apple and a lot of very bright MacHackers ("hacker" in the positive sense, of course).

Tim McNerney
<TIM at MIT-MC.ARPA>

Message 40 -- **********

Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 01:39:19-CDT
Return-Path: <FRANK@UTAH-20.ARPA>
Received: from UTAH-20.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 19:30:19-PDT
Date: Mon 7 May 84 20:30:05-MDT
From: Randy Frank <FRANK@UTAH-20.ARPA>

Subject: Interfacing other disk to a mac
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Mon 7 May 84 21:32:24-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I just attended a Mac developer's seminar put on here by Andy Hertzfeld of Apple. I (think?) that these are being put on for the various consortium schools (has anyone else been to one?)

It was very worthwhile, as much for "fokelore" as for hard information; if you're offered the chance to attend, I'd recommend it.

Anyway, one of the most interesting aspects was gaining an appreciation of the entire driver/file system structure, and how the design makes interfacing other disks or file servers easy.

Basically, as I understood it, both the generic disk driver and file system driver, in addition to their normal (Apple supplied) routines have "exits" built-in, at appropriate places, for other (non-Apple supplied) versions of the routines for non-Apple disks. It's designed in such a way that the disk can either be "dumb" (analogous to the existing floppy) where the disk can only return sectors, or "smart" in the sense that the disk is really a "file server" which is passed file names and logical read/write requests in which case the Mac doesn't do directory processing locally. Apple's assumption for "big" hard disks is that they will be of the "smart" variety. For the Sony floppy, the Mac caches the entire directory in memory, since the memory requirements are nominal (they stated about 300 bytes). However, for a large hard disk sitting on one of the 422 ports, the assumption is that it is of the "smart" variety which is passed logical requests so that the Mac doesn't need to process locally the directory information.

What is interesting about this approach is that it would seem to make using "big" host computers as file servers a relatively easy task, although admittedly you'd be constrained by typical serial line rates of the host (e.g., 19.2 Kbit/sec) - the problem is the typical hosts - vaxen, 20s, etc. - not the Mac. However, for bulk file storage this may not be as serious a problem. What's fantastic about this approach is that above the level of the file system such a server looks identically to a local disk; files on the host server appear as icons, and the host appears as just another disk.

The seminar didn't go into any more details. However, I intend to follow up this information and see where it leads. It was clear from the presentation that Apple gave a great deal of thought about handling a wide variety of disks and file servers cleanly and uniformly, and that someone interfacing a "brand x" disk is definitely not at a disadvantage to Apple in terms of interfacing cleanly and uniformly to the Mac os.

From -4973266475198667278
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,3d2f6cc3613ce770,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 08:30:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!mgnetp!ihnp4!
drutx!bees
From: bees@drutx.UUCP
Newsgroups: net.micro.apple
Subject: INFO-MAC Articles - 8 of 8
Message-ID: <375@drutx.UUCP>
Date: Wed, 23-May-84 11:30:04 EDT
Article-I.D.: drutx.375
Posted: Wed May 23 11:30:04 1984
Date-Received: Fri, 25-May-84 01:02:25 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 1798

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1) 8-May Tony Siegman Will Mac Drive a ProFile?
2) 8-May spoo%toronto.csnet@c Software/Hardware for the Mac (long)
3) 8-May Jerry E. Pournelle Toolbox equates for peons
4) 8-May mark@harvard (Mark L Re: Teaching assembly language programming,
5) 8-May STERNLIGHT Re: Toolbox equates for peons
6) 8-May Mike Brzustowicz Landscape drawing in MacPaint
7) 8-May Chad Leland Mitchell Re: Toolbox equates for peons
8) 8-May Mike Russell About color and other topics.
9) 9-May Randy Frank Re: Toolbox equates for peons
10) 9-May LEVITT%MIT-OZ@MIT-MC Toolbox equates for peons
11) 9-May Jerry E. Pournelle Toolbox equates for peons
12) 10-May Stuart Reges ImageWriter for dissertations at Stanford?
13) 10-May Duane.Williams at CM Microsoft diskless!
14) 10-May Michael Rubin getting inside the Mac....
15) 10-May Avadis.Tevanian at C MacTerminal bugs?
16) 10-May Michael Rubin Speculations, ramblings and flame (long)
17) 10-May David.Anderson at CM WYSIWYG?
18) 10-May Thomas.Newton@cmu-cs Re: Toolbox equates for peons
19) 10-May Peter.Su at CMU-CS-G toolbox
20) 10-May Bjorn Lindskog MAC in Europe
21) 11-May Chad Leland Mitchell price
22) 11-May byard @ dca-eur
23) 11-May Richard Furuta How well is the Mac selling?
24) 11-May Alan Crosswell Re: MAC in Europe
25) 11-May Cagan.PA@XEROX.ARPA Re: Accurate Info for your column
26) 11-May "William D. Cattey" Macwrite pains
27) 11-May Kenneth Clark flame about color Macs...
28) 12-May Thomas.Newton@cmu-cs Clarification
29) 12-May Peterr%toronto.csnet The number of Macs sold
30) 12-May David.Anderson at CM Re: How well is the Mac selling?
31) 14-May Dave Farber from Compuserve

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  32) 14-May Dave Farber          previous program -- color.bas
  33) 14-May Wang Zeep            Power
  34) 14-May Richard Reich        RE: How well is the Mac selling?
  35) 14-May Jerry E. Pournelle   Toolbox equates for peons
  36) 14-May Andrew W. Donoho     Protocol for SendOne/GetFile???
  37) 14-May Kevin.Dowling at CMU Printer
  38) 14-May Chad Leland Mitchell price
  39) 14-May Dave Farber          Query on rs232/422 mac connectors
  40) 14-May Richard Reich

Message 1 -- ************************
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 10:54:50-
CDT
Return-Path: <SIEGMAN@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 22:12:02-
PDT
Date: Mon 7 May 84 22:08:18-PDT
From: Tony Siegman  <SIEGMAN@SU-SIERRA.ARPA>
Subject: Will Mac Drive a ProFile?
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Tue 8 May 84 08:32:47-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

...either at present, or likely later on?
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Message 2 -- ************************
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 11:21:24-
CDT
Return-Path: <Spoo%toronto.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Mon 7 May 84 23:48:25-PDT
Received: From toronto.csnet by csnet-relay;  8 May 84 2:19 EDT
Date:     7 May 84 4:40:40-EDT (Mon)
From:      spoo%toronto.csnet@csnet-relay.arpa
MMDF-Warning:  Parse error in preceeding line at csnet-relay.arpa
To:       info-mac@sumex-aim.arpa
Subject:  Software/Hardware for the Mac (long)
ReSent-date: Tue 8 May 84 08:32:49-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;


     While I was at a local computer center (Toronto)  play-
ing  with  the  Mac, I was given a list of hardware/software
that would be out, so they say, by the  end  of  this  year.
Here it is:



         Package                Application                Company
```

Accounts Payable	Accounting	Great Plains Software
"	"	BPI Systems
Accounts Receivable	"	BPI Systems
"	"	Great Plains Software
General Accounting	"	BPI Systems
General Ledger	"	Great Plains Software
Home Accounting	"	Ask Micro
Payroll	"	BPI Systems
"	"	Great Plains Software
Small Business Accountant	"	C.P.U.
Small Business Accounting	"	Continental Software
The Home Accountant	"	"
Microsoft Chart	Business Graphics	Microsoft
The Calendar	Calendar	Hayden Software
Database Management System	Database	Microrim
Database/File Management	"	DB Master Associates
Friday!	"	Ashton-Tate
Graphics and Database	"	Telos Software Products
Keystroke Database	"	Brock Software Products
Keystroke Report Base	"	"
Megafinder	"	Megahaus
Microsoft File	"	Microsoft
pfs: FILE	"	Software Publishing Corp.
pfs: REPORT	"	"
The List Manager	"	Hayden
UNIFY	"	Unify
NPL/database	"	Desktop Software
dbase II	"	Ashton-Tate
3270/3770 Communications	Datacomm	Parsyst
Communications System	"	Hayes
"	"	Microcom
Graphics terminal emulator	"	Creative Solutions
Mac comm. package	"	Dilithium (!) Software
Business Simulation	Education	Kriya Systems
Education	"	Odesta
Speed Reading	"	Kriya Systems
The Management Edge	"	Human Edge Software
The Negotiation Edge	"	"
The Sales Edge	"	"
Think Tank	"	Living Videotext
Typing tutor	"	Southwestern Data Systems
Typing tutor III	"	Sir Tech
Baron	Game	Blue Chip Software
Brain Games	"	Dilithium Software
Dollars and Sense	"	Monogram
Education Simulation	"	Harvard (Hahvahd) Associates
Enchanter	"	Infocom
Go	"	Hayden
Infidel	"	Infocom
Mac Tutor	"	Dilithium Software
MacManager (business sim.)	"	Harvard Associates
Millionaire	"	Blue Chip Software

Planet Fall	"	Infocom
Run for the money	"	Scarborough Systems
Sargon III	"	Hayden
Snake Byte	"	Sirius
Squire	"	Blue Chip Software
Suspended	"	Infocom
Telofacts I	"	Dilithium Software
Telofacts II	"	"
The Coveted Mirror	"	Penguin Software
The Graphic Magician	"	"
The Quest	"	"
Transylvania	"	"
Tycoon	"	Blue Chip Software
Type Attack	"	Sirius Software
Wizardry	"	Simon and Schuster
Zork I,II,III	"	Infocom
Deadline	"	"
3780/3270 Bisync Em	Hardware	Winterhalter
4-Port Serial Card	"	UniPress Software
Buffer	"	Tecmar
"	"	Microtek
Datatalker	"	Winterhalter
Expansion Chassis	"	Tecmar
IEEE 488	"	"
Intelligent Modem	"	Prometheus Products
Intelligent Telephone	"	Artsci
MacTape (tape backup)	"	Davong
Mem. Expansion	"	Microtek
Networking	"	Davong
Printer Interface	"	Microtek
Removable Cartridge Disk	"	Tecmar
Tape/Disk drive	"	Davong
Winchester	"	Tecmar
Disk Drive	"	Davong
Disk Emulation	"	Microtek
Dr. Logo	Language	Digital Research
Forth. Dev. System	"	Creative Solutions
Microsoft Basic	"	guess who?
MacProject	Spreadsheet	Apple
1-2-3	"	Lotus
Butter	"	Hayden
Exective Productivity Tool	"	Execuware
Financial Planning	"	Chang Laboratories
Graph 'n Calc	"	Desktop Computer Software
Integrated Spreadsheet	"	Sorcin
Jack 2	"	Business Solutions
Microsoft Budget	"	Microsoft
Microsoft Cash Plan	"	"
Microsoft Fin. Analysis	"	"
Microsoft MultiPlan	"	"
The Planner	"	Hayden
Estate Tax Planner	Tax	Aardvark/McGraw Hill
Personal Tax Planner	"	"

Professional Tax Planner	"	"
MacWord	Word Processor	Apple
Megaspeller	"	Megahaus
Megawriter	"	"
Microsoft Word	"	Microsoft

All the above products were quoted as being available in 1984.

>From the pooped paws of:
Suk Lee
USENET ..!{decvax,linus,allegra,ihnp4}!utcsrgv!spoo
CSnet spoo at toronto
ARPA "decvax!utcsrgv!spoo"@BERKELEY

Message 3 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 11:48:54-CDT
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 00:40:19-PDT
Date: 8 May 1984 03:27-EDT
From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Toolbox equates for peons
To: REICH @ NYU-ACF1
cc: INFO-MAC @ SUMEX-AIM
In-reply-to: Msg of 3 May 84 18:34 EDT from Richard Reich <REICH at NYU-ACF1.ARPA>
ReSent-date: Tue 8 May 84 08:32:53-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Fascin ating, iosn't it. Two of my shills, both highly wualified programmer types, have been rejected as developers. Except for BIG BUSINESS types who get along nicely with the new Apple Image, exactly who HAS BEEN ACCEPTED as a Developer? What are teh criteria? Or is this another -- well, there are terms for it.

TI told hobbyistsz and hackers to drop dead, twice.

Long live the 99/4A

Message 4 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 17:04:39-CDT
Return-Path: <mark@harvard>
Received: from harvard.UUCP (HARVARD.ARPA.#Internet) by SUMEX-AIM.ARPA with TCP;

Tue 8 May 84 09:03:22-PDT
Received: by harvard.UUCP (4.12/4.27)
     id AA01735; Tue, 8 May 84 12:04:36 edt
Date: Tue, 8 May 84 12:04:36 edt
From: mark@harvard (Mark Lentczner)
Message-Id: <8405081604.AA01735@harvard.UUCP>
To: FISCHER@RUTGERS, TIM@MIT-MC
Subject: Re: Teaching assembly language programming, Mac style
Cc: info-mac@SUMEX-AIM
ReSent-date: Tue 8 May 84 14:21:53-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Grrrrrrrreat Idea!

I really like the idea of using the sound capabilities
to work the way FM radio near the processor does! I have
written several compositions that involve FM radio & CPU.
I'm going to look back to that stuff and see how I worked
it...

Who knows... Sound Debugging (all puns intended) I Like That!

-mark
 electronic music studio
 music department
 harvard university
 cambridge, ma 02138

 decvax!genrad!wjh12!harvard!mark

Message 5 -- ************************
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 17:30:45-
CDT
Return-Path: <STERNLIGHT@USC-ECL.ARPA>
Received: from USC-ECL.ARPA by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 11:03:24-PDT
Date: Tue 8 May 84 10:59:52-PDT
From: STERNLIGHT <STERNLIGHT@USC-ECL.ARPA>
Subject: Re: Toolbox equates for peons
To: POURNE@MIT-MC.ARPA, REICH@NYU-ACF1.ARPA
cc: INFO-MAC@SUMEX-AIM.ARPA, STERNLIGHT@USC-ECL.ARPA
In-Reply-To: Message from "Jerry E. Pournelle <POURNE @ MIT-MC>" of Tue 8 May 84
00:27:00-PDT
ReSent-date: Tue 8 May 84 14:21:57-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Jerry, you're at it again. Because two "of my shills, both highly
qualified programmer types, have been rejected as developers" you
infer that "BIG BUSINESS types who get along nicely with the new Apple
Image" are the main accepted developers. Cowdoody. I have a
consulting firm of two, including myself. We are not only certified,

but also registered developers (direct access to Apple, electronic mail account, etc.) How did we do it. Simple. We have a product already in existence which has been sold to several buyers of substance, and runs on an existing (IBM PC) machine, and we can prove it to Apple. We have NO image, just product. Nobody ever heard of us except our customers and others in our professional field (economics). We didn't know anybody at Apple nor did we meet anyone there prior to becoming registered developers. We have no vast corporate or financial resources. We're just legitimate developers. But I'll bet Apple is flooded by applications from programmers who say they are developers yet have not got any legitimate product out there. Everyone would LOVE to get the developer discount on hardware and software but only actual developers do. What about 'new' developers who have not yet produced and sold product? I guess they first have to create at least one product and market it successfully before Apple will accept them. Same in your profession. You can say you're a writer all you want but until you've had something published, I'll believe you're a writer; your mother will believe you're a writer, but writers? Isn't it about time you got off your (sometimes virulent) anti-Apple prejudice and took facts for what they were, assuming a legitimate explanation rather than base motives unless and until proven otherwise? --david--
----

Message 6 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 17:55:47-CDT
Return-Path: <mab@aids-unix>
Received: from aids-unix by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 11:45:58-PDT
Date: 8 May 84 11:40:51 PDT (Tue)
From: Mike Brzustowicz <mab@aids-unix>
Subject: Landscape drawing in MacPaint
To: info-mac@sumex-aim
Cc: mab@aids-unix
ReSent-date: Tue 8 May 84 14:22:01-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I have a question from off the net:

> "I want to use MacPaint to draw pictures that are wider than they are tall [landscape instead of the usual portrait]. I know I can rotate lassoed portions of a picture, but any such rotated portion of the picture that falls outside the window gets lost. (Basically, I want to turn my piece of paper sideways). Anyone know how to do this?"

Thanks!
-Mike <mab@AIDS-UNIX>

Message 7 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 18:17:38-

CDT
Return-Path: <M.CHAD@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 12:55:25-PDT
Date: Tue 8 May 84 12:51:24-PDT
From: Chad Leland Mitchell <M.CHAD@SU-SIERRA.ARPA>
Subject: Re: Toolbox equates for peons
To: POURNE@MIT-MC.ARPA
cc: M.CHAD@SU-SIERRA.ARPA, info-mac@SUMEX-AIM.ARPA
In-Reply-To: Message from "Jerry E. Pournelle <POURNE @ MIT-MC>" of Tue 8 May 84 00:27:00-PDT
ReSent-date: Tue 8 May 84 14:22:10-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Let us remember what the certified developer program is all about. If one is accepted as a certified developer, one can get hardware at a discount. Period. Without certified developer status, one can still buy Macs and Lisas, and can get Inside Macintosh and all necessary tools. There is a special developer status (something like "registered" I think) which allows you to use electronic mail, etc. for help but that costs and I doubt that many "hackers" would be interested.

Apple seems to have a simple formula for accepting certified developers. If it seems that a person/company is likely to use the machines purchased to develop software which will sell or otherwise have wide distribution on the Mac then they qualify. If it seems that the Certified Developer status is going to be used simply to buy cheap machines for personal use, then why should they qualify? The application of this test seems to also follow a simple formula. If you have a company (size >=1) which has developed and marketed any software then you probably qualify. If you have a company (size >=1) which has a plan for some interesting software and some kind of development schedule then you p[robably qualify. If you are an individual with similar qualifications then you probably qualify although not quite as easily.

I assume that you don't expect Apple to just give away certified developer status to anyone who wants to buy a machine. That would be equivalent to just placing all hardware on a massive discount (which while we would all like would be improbable as long as they continue to sell every Mac they make as fast as they can ship it).

EVERY person I know who
    1) Has a company name and has developed and sold software
or 2) Demonstrated to Apple that he/she was a very competent
       programmer with plans for a real product
has been granted certified developer status upon applying. Those who have demonstrated competency but had no plans have not been accepted (at least on the first try). Of course if you buy some hardware and start putting a product together and then apply you will probably get accepted with flying colors...
                            Chad

Message 8 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Tue 8 May 84 19:13:03-CDT
Return-Path: <UN502080%BROWNVM.BITNET@Berkeley>
Received: from UCB-VAX.ARPA by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 14:22:12-PDT
Received: from ucbjade.CC.Berkeley.ARPA (ucbjade.ARPA) by UCB-VAX.ARPA (4.24/4.27)
     id AA20893; Tue, 8 May 84 14:21:32 pdt
Received: from ucbpopuli.CC.Berkeley.ARPA by ucbjade.CC.Berkeley.ARPA
     (4.14.3/4.16) id AA17726; Tue, 8 May 84 14:22:03 pdt
Received: by ucbpopuli.CC.Berkeley.ARPA
     (4.14.3/4.16) id AA08526; Tue, 8 May 84 14:17:04 pdt
Message-Id: <8405082117.AA08526@ucbpopuli.CC.Berkeley.ARPA>
Date: Tue, 08 May 84 17:05:48 EDT
From: Mike Russell <G.BROWNVM=UN502080@Berkeley>
Reply-To: G.BROWNVM=UN502080@BERKELEY
To: INFO-MAC@SUMEX-AIM
Subject: About color and other topics.
ReSent-date: Tue 8 May 84 16:41:47-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

In response to the messages about color, what I've heard was from John Sculley (President of Apple). He held an informational meeting here at Brown, and said that there will indeed be a Color-Mac eventually, but to have made the original Mac color would have meant a release date substantially later than when it was released. He said that eventually there will indeed be a Color-Mac.

Atkinson's DEBUGGER:
   It appears that Bill Atkinson left a debugger in MacPaint. It was found in version 0.95, though it may be in all versions. It was found twice by screwing around with the keyboard while in MacPaint, but can't be found again. Anyone with any information about it? What I know is this: While 'A' was selected (for text), and Command-Q was chosen a new menu bar appeared with the title DEBUG, and if it was pulled down, three selections appeared: HEAP, WORST STACK, and MONKEY TRAP. Certain keyboard commands did things also. I am obviously missing steps, in that it can't be reproduced. Any help would be appreciated.
                              -Mike Russell (G.BROWNVM=UN502080@BERKELEY)

Message 9 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 9 May 84 11:38:40-CDT
Return-Path: <FRANK@UTAH-20.ARPA>
Received: from UTAH-20.ARPA by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 17:50:53-PDT
Date: Tue 8 May 84 18:49:48-MDT
From: Randy Frank <FRANK@UTAH-20.ARPA>
Subject: Re: Toolbox equates for peons

To: STERNLIGHT@USC-ECL.ARPA, POURNE@MIT-MC.ARPA, REICH@NYU-ACF1.ARPA
cc: INFO-MAC@SUMEX-AIM.ARPA
In-Reply-To: Message from "STERNLIGHT <STERNLIGHT@USC-ECL.ARPA>" of Tue 8 May 84 16:30:45-MDT
ReSent-date: Wed 9 May 84 09:04:25-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

This is totally in line with what Apple told us at the recent developers/ consortium meeting. They currently have over 1000 registered developers, and, in order to be able to handle the crowd, have tentatively put a hold on accepting new developers EXCEPT those w/ proven records in developing software. This makes emminent sense to me: everyone and his aunt and uncle seems to want to become a Mac developer. Apple has a choice in diluting the amount of support given to developers by allowing an uncontrolled number of them, or can attempt to qualify developers and provide a higher level of support. It seems that if Apple is interested in seeing software out quickly for the Mac (which certain people such as Mr. Pournelle seem to regularly complain isn't happening fast enough), what they're doing is exactly on target. The last thing that Apple needs to do is waste effort on every random who has a half assed idea for Mac software.

The reality of this world is that, especially if the goal is getting software out there quickly, that putting your eggs in the basket of established developers will probably win. This may unfortunately mean that some good new ideas get lost (or more probably delayed). However, the Mac will make it commerically during the next 6 months largely on the basis of the popular existing packages being ported to the Mac. From that perspective what Apple is doing is totally correct.

Message 10 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 9 May 84 11:59:30-CDT
Return-Path: <@MIT-MC:LEVITT@MIT-OZ>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Tue 8 May 84 23:46:08-PDT
Date: Wed, 9 May 1984 02:39 EDT
Message-ID: <LEVITT.12013870138.BABYL@MIT-OZ>
From: LEVITT%MIT-OZ@MIT-MC.ARPA
To: "Jerry E. Pournelle" <POURNE@MIT-MC>
Subject: Toolbox equates for peons
cc: info-mac%MIT-OZ@MIT-MC.ARPA
In-reply-to: Msg of 8 May 1984 03:27-EDT from Jerry E. Pournelle <POURNE at MIT-MC>
ReSent-date: Wed 9 May 84 09:04:27-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

> ...wualified [sic] programmer types, have been rejected as
> developers. ...exactly who HAS BEEN ACCEPTED as a Developer?
> What are teh [s ic] criteria?

Yes, my sentiments. I joined this list a bit late, and I wondered if there had been an ongoing poll. I know one designer from Ithaca who's been certified for 1+ years, and one Palo Alto insider. But I know various people who've been ignored or rejected. Is this temporary or is it a policy?

West coast friends have claimed instant receipt of development tools, even without a business plan. The Apple people seem to know that widespread support for developers is crucial, so they encourage their friends. But some proven east coast software companies have slipped between the cracks, because they've never met an Apple person.

Is this just early disorganization, or is it understood that the cost of providing documentation and updates widely is too high? That would seem short sighted.

Message 11 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Wed 9 May 84 12:22:17-CDT
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 01:28:16-PDT
Date: 9 May 1984 04:27-EDT
From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Toolbox equates for peons
To: STERNLIGHT @ USC-ECL
cc: INFO-MAC @ SUMEX-AIM, REICH @ NYU-ACF1
In-reply-to: Msg of Tue 8 May 84 10:59:52-PDT from STERNLIGHT <STERNLIGHT at USC-ECL.ARPA>
ReSent-date: Wed 9 May 84 09:04:29-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

virulent cow pucky. I don't care a tinkers' damn for or against Apple or any other company. I do care that claims have some basis in reality; that claims to reverence by the hobbyist commuknity be based on something substantial; that claims to some special status have some basis.

If IBM had brought out a limited memory, small screen, single drive system with proprietary operating system, charged $150 for the system documents needed to do anything particularly useful with it, helped people put out a bunch of $14.95 to $19.95 books that contain almost no real information (but were almost certainly supported by early copies of and access to the machines prior to the rest of the world getting them): whould IBM have been proclaimed Good Guys?

I completely agree: the Mac is fun. For a student with $1000 it's probably a darned good buy for playing about with doing homework, writing letters, etc. You will still need a real calculator for your desk since the Mac one doesn't even have elementary functions; you'll have to wait if you want to

load up basic and use that; you will have to find a printer if you want to turn in the homework; but it's a nice buy.

For "the rest of us" who don't know much about cmputers and have been waiting to get one until something very useful and easy to use came out, I might have a different recommendation at $3500 (by the time you get a useful configuration).

It was not me who put forth the Macintosh as the solution to all the world's computer problems. On the other hand, i have a strong interest in seeing people happy with their machines; and while I have heard a great deal of praise from computer scientists who see the potential and like the DIRECTION the machine seems to point to, and a lesser amount from new users who are very pleased to poke around and find the fish and the frog and other pictures and play with fonts, I do not hear such hjappy noises from "the rest of us."

It was not me who claimed there would be enormous piles of software by April.

As to the "Developer" status, I hardly care; but again there were these exhortations given at shows and prior to the release of the machine, and lots of talk about it. People were encouraged to apply; later, they find, they should not have been. Okay by me.

I would myself thnk that if Apple sold Macintoshes to every random Ph.D. who wanted to get one as a developer (and who had already persuaded the company he consults for to buy a Lisa for his project) then, given that they do not lose money on the discounted price anyway, they probably wouldn't go broke; and they might get themselves a few people out there who can deliver some software.

Availability of applications software is going to make or break the machine; I cannot thnk that long delays in processing "developer applications" followed by turndowns is going to get the hobbyists and hackers writing up a storm.

Sure: Apple will lose a little money to people just trying to get machines cheap; but it only takes one VisiCalc to make a product successful. At the moment that applications program has yet to be written.

Maybe, just maybe, something else will catch up faster than Apple suspects.

Message 12 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 10:48:17-CDT
Return-Path: <REGES@SU-SCORE.ARPA>
Received: from SU-SCORE.ARPA by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 14:32:33-PDT
Date: Wed 9 May 84 14:28:23-PDT
From: Stuart Reges <REGES@SU-SCORE.ARPA>
Subject: ImageWriter for dissertations at Stanford?
To: info-mac@SU-SCORE.ARPA
Office: Margaret Jacks 210, 497-9798

ReSent-date: Wed 9 May 84 15:06:24-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I just came from an informational meeting put on by the Stanford people who coordinate the Mac purchasing/support at Stanford. They announced that they have been talking to the Graduate Program Office about ImageWriter output, asking whether it would be acceptable for dissertations. The response was a definitive maybe. The people at GPO did not say no, but they were not terribly pleased with the output. It sounds like they will accept it if everything else is perfect.

The people at GPO said they liked New York and Geneva 9 point fonts best. They also liked New York 12 point font, but not as much. They haven't seen 10 point output, though. It was also reported that a new ribbon does not produce best results (characters look filled in). They suggest a medium-worn ribbon (after, say, 100 pages of output).

Message 13 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 11:24:04-CDT
Return-Path: <dtw@cmu-cs-ius.arpa>
Received: from CMU-CS-IUS.ARPA by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 14:07:07-PDT
Date: 9 May 1984 17:04:41-EDT
From: Duane.Williams at CMU-CS-IUS
Subject: Microsoft diskless!
ReSent-date: Wed 9 May 84 15:06:22-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

A local computer dealer told me that Microsoft Word and Chart are now ready for release, but Microsoft can't ship them out because they can't get disks to put them on! Apparently, Apple has cornered the market on disks for the Mac.

Message 14 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 20:00:46-CDT
Return-Path: <RUBIN@COLUMBIA-20.ARPA>
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 19:06:51-PDT
Date: Wed 9 May 84 22:06:45-EDT
From: Michael Rubin <RUBIN@COLUMBIA-20.ARPA>
Subject: getting inside the Mac....
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Thu 10 May 84 17:16:31-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Tips on how to open the thing up:
    Make sure the Torx T-15 screwdriver you get has an extra long shaft (>= 5 inches, the usual ones are only 3-4 inches). This is needed to reach the two screws way back under the handle. Alternatively you can get a Torx bit on a 1/4" drive socket and use an extender, or buy a normal Torx driver and cut the handle down.
    There is NO screw behind the Apple decal! That is a myth, like the one about the left-hand-threaded light bulbs on New York subways. There are only five screws: two near the bottom (marked with ! icon), one in the battery compartment, and two under the handle. When you remove all five screws the case still won't come off, because it's fitted very tightly. Pry it open with something blunt, like a butter knife.
    If you have the programmer's switch installed, it will tend to hang up on the aluminum-foil shielding behind the I/O ports. Be careful.
    On the video board (left side) there are adjustments for picture width and height. If your Mac has very wide margins, you can make the picture bigger. Just be sure you keep the aspect ratio square -- while doing the adjusting, have MacPaint running with a large square drawn on the screen, and use a ruler.

Random observations on the interior design:
    The frame is still designed for the 5.25" Twiggy drive -- they mounted the 3.5" drive on a Twiggy-sized bracket so it would reach the screw holes.
    The case is nice heavy stuff, with a thick coating of conductive paint on the inside, almost obscuring the signatures of all the designers (that's NOT a myth!).
    As all the phantom drawings suggest, the right side of the case is almost empty. Enough room for a memory board or even a second disk drive. Probably not enough for a Winchester, though.

Message 15 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 20:18:50-CDT
Return-Path: <avie@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 20:53:55-PDT
Date: 9 May 1984 23:45:17-EDT
From: Avadis.Tevanian at CMU-CS-SPICE
Subject: MacTerminal bugs?
ReSent-date: Thu 10 May 84 17:16:33-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I've been using MacTerminal (alpha minus something), and have a couple of questions... First, previous mailings to this list have indicated support for insert character. What is the escape sequence for this... the vt200 escape sequence of

     <ESC> [<n> @

almost works, but not quite.

Second, how is the file transfer stuff supposed to work? In fact, does it work?

Third, there seems to be a very minor bug in the cursor control. If you do something in a dialog box, then there is a chance that MacTerminal will leave a stray cursor in its current position. As near as I can figure, you pull down a menu when the cursor is either on or off, this stops it from blinking. Then when you are done with the dialog box, the program is confused as to whether the cursor is really on or off. Assuming that the cursor is drawn using an XOR operation, it can potentially leave the character inverted.

Avie

Message 16 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 20:36:44-CDT
Return-Path: <RUBIN@COLUMBIA-20.ARPA>
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Wed 9 May 84 21:39:19-PDT
Date: Thu 10 May 84 00:39:09-EDT
From: Michael Rubin <RUBIN@COLUMBIA-20.ARPA>
Subject: Speculations, ramblings and flame (long)
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Thu 10 May 84 17:16:35-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Fairly easy software hack: a printer driver called by the vertical blanking interrupt, so you could compute while printing? Only problem is it would periodically have to read more data off disk, and I don't know if interrupt routines are allowed to do that.

All the documents say the mouse is handled at such a low level that there's just no way to move the cursor somewhere else or even confine it to a particular area. Now, I can't really believe that, since the mouse just outputs a pulse for every 1/90 inch of vertical or horizontal movement, and anyhow the cursor is obviously confined to the limits of the screen. Perhaps the cursor is a sprite and handled entirely by the video interface, but that seems real unlikely. Now it may be that the mouse handler is entirely in ROM, with no trap vector so it can be overridden like the Quickdraw routines. However, the current mouse position is certainly not in ROM, so there has to be an appropriate magical POKE that will do the job....?

Now that the Apple IIC ("Apple II, crushed") is out, will the FlatMac be far behind? Well, it will have to wait for a 512x342 liquid-crystal display because there's no way the Mac can output to a TV set or even a standard monitor (it doesn't use ordinary video signals). Apple is having enough trouble getting Sharp to make a 560x192 LCD for the IIC -- all they want to build are 640x200 displays for IBM-PC's and clones. Figure about 18-24 months for LCD production to catch up enough that odd sizes can be ordered. BTW, does

anybody know how thick the IIC's LCD is going to be? All the magazine photos show a 3/4 front view with the unit tilted up, so the back might be anywhere from flat to pyramid-shaped.

Since the Mac CPU board is just under 9x9 inches (and contains the entire workings of the machine except for the power supply and video electronics), it would fit in the same size case as the IIC. The disk drive is about 3/4" thicker, so the case would have a bulge in back. However, the drive is also narrower, which would leave about two inches of space behind the keyboard -- just right for a trackball, and perhaps a small nicad battery pack (that room might be needed for a board to control the LCD).

Thoughts on the next machine in the Apple 32 line: The Mac is a neat architecture except for lack of virtual memory, but it's I/O-bound. The floppy is none too fast, and the IWM disk controller grabs the entire CPU during disk operations, which is nasty if you want to do serious multitasking. A Winchester can theoretically transfer data at 500Kbytes/sec, five times faster than the serial port can theoretically receive it. Now if the disks were only memory-mapped like the video, stealing half the memory cycles, they would be capable of at least the same transfer rate as the video -- 22Kbytes every 1/60 second, or 1200 Kbytes/sec! Well, this could be done by turning off the screen during disk I/O, but that would be even uglier than turning off interrupts. Hmmm.... the video DMA uses only one fixed piece of memory, near the low end. If the machine has at least two ranks of memory chips (256Kbytes of 64K chips, or 1Mbyte of 256K chips), the memory bus could be cut in half during the memory cycles reserved for DMA. Then while the video hardware was reading the low bank of memory, the disks (or any other devices) could be reading and writing their buffers in high memory. Some more complex disk controller than the bare IWM would be needed, equivalent to an ordinary S-100 or Multibus DMA disk controller. Perhaps the IWM could be operated by another custom chip or just some PAL's and shift registers.

Another useful addition might be a smarter video controller, one that could handle multiple bit planes and put them in arbitrary places on the screen (basically giant sprites). This would be nice for windows, but great for animation. Oops, if the bit planes are transparent and you have N of them at one point on the screen, that means N memory accesses per pixel time. On the other hand, most of them probably wouldn't be transparent, and even one extra bit plane would help a lot.

--From the butane torch of:
Mike Rubin <Rubin@Columbia-20.ARPA>

Message 17 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 20:43:45-CDT
Return-Path: <dba@cmu-cs-g.arpa>
Received: from CMU-CS-G.ARPA by SUMEX-AIM.ARPA with TCP; Thu 10 May 84 13:51:05-PDT
Date: 10 May 1984 16:36:40-EDT
From: David.Anderson at CMU-CS-G
Subject: WYSIWYG?
ReSent-date: Thu 10 May 84 17:16:46-PDT

ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I'm rather perturbed by the fact that with both MacPaint and MacWrite, what you see is often NOT what you get. Some examples:

MacPaint: Every 10th raster line is deleted when an image is printed (always!). The reason for doing this is fairly straightforward -- the printer prints only 72 dpi vertically, but 80 dpi horizontally, while the screen is 80 dpi in both directions. In order to preserve the aspect ratio and the size of the displayed image, every 10th raster line is just left out when printing. Unfortunately, this is rather noticable: text gets scrunched; shaded areas become streaked. If you don't believe me, simply print the current window while in MacPaint and see what happens to the parallel lines in the window's title bar. Possible fix: add an option that prints images 72 dpi horizontally and vertically. This would make the printed version larger than the displayed version, but at least they would have the same appearance.

MacWrite: The problem is that right justified text often isn't. Some characters seem to have too much padding on the right side ("y", "r"), so that if a line ends with one of these characters, it isn't quite flush. Much worse are "l"'s: a line ending with "illegal" or "all wall" will really stick out past the right margin (when printed, not when displayed).

Another way get text to stick way out into the right margin is to end a line with something in italics (or even better, bold italics). The slant will slant right into tomorrow. When I went to the end of the line and tried to add some extra spaces so that the text would get shoved left a bit it moved FARTHER TO THE RIGHT!

I encountered these problems when working with a very narrow document (2 3/8 inches) in 9 point Geneva. I don't know if they occur in other fonts or sizes, but I rather expect that some of them do.

Message 18 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 21:01:48-CDT
Return-Path: <tdn@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Thu 10 May 84 03:09:19-PDT
Date: Thursday, 10 May 1984 06:00:35 EDT
From: Thomas.Newton@cmu-cs-spice.arpa
To: info-mac@sumex-aim.arpa
Subject: Re: Toolbox equates for peons
Message-ID: <1984.5.10.8.15.4.Thomas.Newton@cmu-cs-spice.arpa>
ReSent-date: Thu 10 May 84 17:16:37-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Warning: long flame (~==========)

It's been interesting watching the discussion on the net. From what I can see, the people posting on this net fall into three groups:

(a) Certified/registered developers who can afford to buy Lisas and expensive documentation, and who generally defend every move that Apple makes,

(b) Hackers, students, etc. (like myself) who see the potential in the machine and will occasionally acknowledge the warts, but do not have money to spend on Lisas to go with our Macs, and

(c) People who have used computers, but have not used computers that have mice and windows (I suspect that Jerry Pournelle fell into this group until his Lilith machine arrived).

As someone else noted earlier, one problem with the Macintosh is that it tends to overload the mouse. The computer that I work on (a Perq running Accent) tends to use the mouse only where it actually provides an advantage.

The editor, although non-programmable, has the usual set of Emacs-like commands, given from the keyboard. In addition you can use the mouse to move anywhere in the file quickly and to select blocks of text that will be copied or deleted. If you absolutely hate mice, there are alternate keyboard commands that accomplish the same effect (more slowly). I tend to use the keyboard when entering new text and a combination of keyboard and mouse commands when editing an existing file.

People in group (c), though, are likely to take a look at the Macintosh and conclude that its faults are characteristic of all systems with mice and bit-mapped displays. Without a standard of comparison, they are not likely to see the machine's potential (software tends towards the lowest common denominator and the Mac hardware provides a fairly high "standard" with the exception of memory size).

Of course, the machine's potential is not likely to be realized unless the people in group (b) can easily write software for it. Randy Frank is just plain wrong when he says that the best way to get software for the machine is to limit support to a few "proven developers." The history of the Apple II family should prove otherwise. (Oh, by the way, wasn't the Apple II designed in a garage and Visicalc written by a couple of college students? How many Apple IIs were sold because of Visicalc? Why is the Apple II still selling after all this time? No, it couldn't possibly be the thousands of peons who have written software for it. . . Why is the TI 99/4 dead? Could it possibly have something to do with TI's attempts to prevent hobbyists and hackers from getting inside the machine, especially during the first part of its life?)

Way to go, Jerry. I may disagree quite violently with you on many points, but you are absolutely right in this case.

Message 19 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 21:18:30-

CDT
Return-Path: <hugo@cmu-cs-gandalf.arpa>
Received: from CMU-CS-GANDALF.ARPA by SUMEX-AIM.ARPA with TCP; Thu 10 May 84 10:10:30-PDT
Date: 10 May 1984 13:08:10-EDT
From: Peter.Su at CMU-CS-GANDALF
Subject: toolbox
ReSent-date: Thu 10 May 84 17:16:42-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I have to agree with Jerry, Apple just is not doing a good job with Mac. I mean they've released a computer with better hardware, a better OS, a better user interface, the same BASIC, better graphics, better drives (though only one), and more promised software than IBM ever had in its early stages...man, they really screwed this up huh?

- Pete

Message 20 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Thu 10 May 84 21:33:32-CDT
Return-Path: <BJORN@WASHINGTON.ARPA>
Received: from WASHINGTON.ARPA by SUMEX-AIM.ARPA with TCP; Thu 10 May 84 13:01:00-PDT
Date: Thu 10 May 84 13:00:34-PDT
From: Bjorn Lindskog <BJORN@WASHINGTON.ARPA>
Subject: MAC in Europe
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Thu 10 May 84 17:16:44-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Is the MAC dependent on the mains frequency in any way?
I want to bring mine over to Europe where 50 Hz is what comes out of the plug. I guess that the real-time clock would be something you often control by the mains. I'm not worried about the video frame rate, since switchable terminals are always run at 60 Hz rate anyway in order to minimze the flicker, and that works fine.

I suppose that the voltage will be the problem, since the supply is probably not switchable to 220 V. (At least it wasn't on Apple II)

-- Bjorn

Message 21 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 12:27:04-CDT

Return-Path: <M.CHAD@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 00:01:19-PDT
Date: Thu 10 May 84 23:25:31-PDT
From: Chad Leland Mitchell <M.CHAD@SU-SIERRA.ARPA>
Subject: price
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Fri 11 May 84 09:29:29-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

1-The categorization of people reading the BBoard is a real overgeneralizaton. For example, I am a certified developer. I am also a graduate student and cannot afford a Lisa. I have some things I am putting together with one other person. Since they would need to be coded in assembly anyway (the Mac is the slowest machine they could possibly run on) we will be using the assembler when it arrives. Meanwhile we are doing the product design.

I have no other direct connection with Apple. I have friends who work there and at HP, IBM, etc. Some of my school research is paid for by IBM. And I have worked for Bell Labs. Almost three years ago I specified the personal computer which I would be willing to buy and which would be interesting for me to program. At the time there was nothing anywhere near the price range. The Lisa was impressive and if it had been cheaper or earlier would have been a hit. I know several people who bought IBM PC-XTs prior to January 24th who wish they had waited for the $5500 Lisa 2/10 (much cheaper than about $7000 for a "somewhat similarly equiped" PC XT).

The Macintosh is very close in all respects including price to the dream machine that I specified. It is powerful enough to do interesting work and to make an attempt at enogh user friendliness to call it an appliance. I am looking forward to being able to program on top of an existing user interface which is not upward compatible with punched cards.

I find it hard to believe that anyone could fall for the statement that if IBM had come out with this machine we would all be complaining. If IBM had come out with this machine, Apple would have lost totally. We would all be shocked at something so innovative (IBM does innovative research, but it is a real surprise when they come out with innovative products since they have a stated policy of letting other companies do their market research for them).

Apple isn't perfect (and I admit that there may be people on this BBoard that seem to doubt it). The Mac has some flaws. SOME of the software is coming late. On the other hand, the software is no later than it has been for everything else I have ever dealt with, it is far more powerful and complex software than has been on personal computers before, and Second Quarter does not mean April; it means before June 30. I know of no other machine in the price range that comes close in almost any measure I care about. It is not a Dorado, nor a Lilth, but then it does not cost $100,000 nor even $10,000.

Thus, you see, I am not a rich Lisa buyer, but I like the Mac a lot. It brings computing to my parents (who bought one), my brother (who bought one), my wife (who tells me we need two). None of them has ever written a program.

All of them had access to IBM PCs and used them for word processing and accounting. None of them liked using the PC and they still had negative feelings toward computers in general. They each spent a few hours using a Macintosh and decided that they wanted one. They now feel confortable about computers. Computers are acceptable topics of conversation. My wife is planning to computerize her files, her recipes, our library, etc. She could have done that before on other machines, but she never felt the desire to and never really felt comfortable with a computer before, despite my prompting for several years.

Macintosh does something which may seem terrible to some. It makes computing fun. I admit that to some it may have been fun before Macintosh (myself included), but then some people thought it was lots of fun to enter in long sequences of machine code using front panel switches.

2-I have been asked by a friend (Robert Gardner) to forward this to the BBoard:

I have been trying to understand why some people are claiming the Macintosh is overpriced. A look through the What's New column of the most recent BYTE shows, for instance, the Zenith Z-100 PC compatible with 128K bytes RAM, 2 serial ports, graphics, and one DS/DD drive lists at $2800; the new PC portable (if you can call 30 pounds portable) with 256K RAM and 1 DS/DD drive (but minus everything else IBM PC's are famous for coming without) lists at $2800 also. These machines come only with system software, don't include a mouse or graphics in ROM, windowing, etc., and are bogged down by a barely adequate CPU. A look through the mail-order discount houses also shows the Mac is at least competitively priced.

So, I wonder, the Mac is overpriced compared to what? It's more expensive than the Kaypro or the myriad of other 8-bit machines, but certainly a 16/32 bit machine can't compare in price with an 8-bit machine (unless we're comparing price/performance). I think the answer is that the Mac is overpriced compared to expectations, and perhaps Apple is guilty of raising false expectations (I guess Scully is to blame for shattering those expectations).

Finally, while we all would certainly like to see the Mac cheaper (and everything else we purchase, too!), we need to remember that this country is built on the profit motive. According to Adam Smith, when demand exceeds supply prices remain high. Currently, Apple is able to sell more Macintoshes than it can build, so the price is justifyably high. Rumor has it that it costs Apple around $600 to build a Mac (I assume this includes parts and labor only), so we can surely expect the price to fall once their production facilities are able to keep up with demand. In the meantime, I don't think we can begrudge Apple their well-deserved profits.

Message 22 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>

Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 13:01:15-CDT
Return-Path: <byard@dca-eur>
Received: from dca-eur by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 01:13:01-PDT
Date: 11 May 1984 08:07 GMT
From: byard @ dca-eur
To: BJORN @ WASHINGTON
CC: info-mac @ sumex
ReSent-date: Fri 11 May 84 09:29:33-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Re: MAC in Europe
Date: 11 May 1984 07:51:50 Z
Text: 50 Hz is no problem. We have used the American version of Mac with a small transformer. The transformers are readily available over here. A 220/110 switch would indeed complement the Mac travel bag. Better yet, automatic voltage sensing and operation on various power standards would make Mac more "international" and less vulnerable to accidental smoke tests.
Larry
Byard @ DCA-EUR
Stuttgart

Message 23 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 13:29:10-CDT
Return-Path: <FURUTA@WASHINGTON.ARPA>
Received: from WASHINGTON.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 02:01:42-PDT
Date: Fri 11 May 84 02:01:17-PDT
From: Richard Furuta <Furuta@WASHINGTON.ARPA>
Subject: How well is the Mac selling?
To: info-mac@SUMEX-AIM.ARPA
cc: Furuta@WASHINGTON.ARPA
ReSent-date: Fri 11 May 84 09:29:36-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

TV news this evening reports that Apple has sold 70,000 MacIntoshes since their introduction. The report is that this makes it the fastest selling Personal Computer in history. Does anyone have any details on this---how much of this is Consortium business, how long are waits these days for Consortium and private business deliveries, at what kind of rate is Apple now manufacturing them, etc.

Thanks for any information.

--Rick

Message 24 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 13:53:48-CDT
Return-Path: <@COLUMBIA-20.ARPA:US.ALAN@CU20B>
Received: from COLUMBIA-20.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 06:40:07-PDT
Received: from CU20B by CUCS20 with DECnet; 11 May 84 09:39:39 EDT
Date: Fri 11 May 84 09:38:55-EDT
From: Alan Crosswell <US.ALAN@CU20B>
Subject: Re: MAC in Europe
To: BJORN%WASHINGTON@COLUMBIA-20.ARPA
cc: info-mac%SUMEX-AIM@COLUMBIA-20.ARPA
In-Reply-To: Message from "Bjorn Lindskog <BJORN@WASHINGTON.ARPA>" of Thu 10 May 84 22:33:16-EDT
ReSent-date: Fri 11 May 84 09:29:40-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

We asked Apple about that since many of our users asked the same
question at a Mac demo we put on here last month. Apple told us (and
it came out in print in the next Consortium newsletter that all that is
needed is a good quality voltage converter since 50 Hz is still within
the Mac's operating range. They don't use the line frequency for any
kind of clock.

Alan Crosswell
Columbia University Computer Center

Message 25 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 21:01:05-CDT
Return-Path: <Cagan.PA@Xerox.ARPA>
Received: from Xerox.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 17:49:15-PDT
Received: from Chardonnay.ms by ArpaGateway.ms ; 11 MAY 84 17:48:48 PDT
Date: Fri, 11 May 84 17:49 PDT
From: Cagan.PA@XEROX.ARPA
Subject: Re: Accurate Info for your column
In-reply-to: "ERIK@SRI-AI.ARPA's message of Thu, 3 May 84 18:52:41 PDT"
To: ERIK@SRI-AI.ARPA
cc: Pourne@MIT-MC.ARPA, Info-Mac@SUMEX-AIM.ARPA
ReSent-date: Fri 11 May 84 18:04:55-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I'm sending this message to the above distribution because I think that
some one in this group will be able to answer my question.

I will be purchasing a MacIntosh(with an Apple 1200 modem) in the near

future. I would like to know if there is, or will be (in the near future), any way that an individual, with out a lot of money or hardware , can use the MacIntosh to access the ARPA network or UUCP? Ideally, one would be able to do this without using the resources of their employer who may be part of the network. I feel that the potential that Mac has for this application is one of it's great strengths.

I am a physical scientist, not a CS expert. So, I would appreciate answers/solutions to my question that are understandable to one without intimate knowledge of Mac's(or any computer's) inner workings. I would also encourage individuals at Apple to respond. Of course, a ready made software package (reasonably priced) would be the most palatable solution for me.

Thanks for your help.

Myron Cagan
Xerox PARC

Message 26 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 21:17:48-CDT
Return-Path: <WCATTEY@BBNF.ARPA>
Received: from BBNF.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 10:20:48-PDT
Date: Fri, 11 May 1984 13:21 EDT
Message-ID: <WCATTEY.12014511182.BABYL@BBNF.ARPA>
From: "William D. Cattey" <WCATTEY@BBNF.ARPA>
To: info-mac@SUMEX-AIM.ARPA
cc: WCATTEY@BBNF.ARPA
Phase-Of-The-Moon: FQ+4D.0H.57M.22S.
ReSent-date: Fri 11 May 84 18:04:50-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Subject: Macwrite pains

I am writing this note in the hopes that some problems I encountered using Macwrite can either be fixed in the next release.

I have a document that is big enough to take 100 percent of the Macwrite buffer space. I could deal with the following annoying little problems by working around them :

    There had to be *lots* of free space on my diskette before the save imagee for the printer would fit. This meant a diskette with Write, System, my document, and nothing else. The whole document image does not necessarily have to be created in one huge file!

    I had to save my file and bring in a fresh copy of Macwrite every time I got the message "Almost out of memory cannot undo this operation." while inserting text. Insert stops working when it

cannot undo typing. I expected tht later inserts would succeed after acnowledging that they could not be able to be undone, or that deleting characters from the buffer would help. This error also seemed to affect the other commands in random ways.

Bill Coderre is right about headers and footers being buggy. They have many problems:

They are awful to use. Their user interface should be re-thought. I suggest that headers and footers have commands to make them appear in the document, and seperate commands to grab hold of them for editing. In my large document, most of my fiddling time was spent waiting for Macwrite to re-paginate my document between hides and shows of my headers and footers. (I hope to hide and show less often when other bugs are fixed. see below)

Once the page number icon dissapeared from the footer command completely. I have not been able to re-produce this problem. I got around it by hiding the footer, saving the file, starting a new Macwrite and re-creating the footer.

The following happened with a particular very large document:

After certain screen refresh opertions, such as using the scroll boxes, or across a show/hide rulers command pair. The page numbers I asked for in my footer would no longer appear on the screen image. MacWrite had re-positioned the icon within the footer, and decided that even though the page number was still in a visible region of the footer, that the text should not appear. I got around this by I had to hide and re-show my footer, and move the page number icon to the second line of the footer from the first line of the footer (where Macwrite decided it belonged).

The first time I printed out my document, the header text, consisting of the date did not appear on the printed page. Only blank lines.

I made a few revisions to the text (deleting a couple of lines) and then neither the header nor the footer text appeared. I got blank lines where dates and page numbers should be. I suspected that asking for a big document with headers and footers was too much, so I got rid of the header. I tried reading the document back in to a virginal Macwrite. I tried several combinations of header text, lack of header text, etc. I could get the page numbers to appear in the screen image but never on the printed one!

After several hours of fiddling, I went back to a previously saved copy of the file that predated the problem with insertion, forgot about trying to get a header at all, (since it did not want to print), and settled for page numbers that printed. I also deleted MacPaint from the disk, because this time, although the document was 10 lines shorter, Write complained of insufficient space on the disk for the printed output. Booting a new MacWrite did not help at all,

althought I expected that it would. I suspect two possible causes:
 1) Perhaps header information stored in the document had gotten corrupted, and only a previous version of the document with correct footer information would solve the problem. I would have expected header and footer information to be completely replacable with new information from MacWrite rather than getting corrupted once and forever.
  2) If header and footer output is kept in seperate disk files (as I *think* I saw mentioned here) perhaps the write failed due to lack of space, but was not complained about. If there were 3 file outputs, perhaps error checking is missing on one or two of them.

This is the first problem I have ever encountered in the Macintosh that I could not quickly find a work around for. My shining image of the Macintosh got tarnished. Interestingly, I did eventually find work arounds for the problems, and it has taken me much longer to find this sort of frustrating problem than with any other machine I have used before. This speaks well of the overall useability and quality of the system (The IBM PC was so frustrating to me that I felt like throwing it out the window in the first 5 minutes of use!) Perhaps I will elaborate on this topic in a subsequent submission to info-mac.

I hope this stuff is dealt with in the next release. When will *I* be able to get the next release at my friendly Cambridge Massachusetts Computer Store? Maybe I should become a Macintosh Developer???

William D. Cattey
wcattey@bbnf

Message 27 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Fri 11 May 84 21:33:40-CDT
Return-Path: <clark@AEROSPACE>
Received: from aerospace.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84 10:51:58-PDT
Date: Fri, 11 May 84 10:47:37 PDT
From: Kenneth Clark <clark@AEROSPACE>
To: info-mac@SUMEX-AIM
Subject: flame about color Macs...
ReSent-date: Fri 11 May 84 18:04:53-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

  I think that many of the people that wish for a color Mac are perhaps not seeing things in perspective. The Mac is part of a *system* concept, and is designed to integrate well with the other components of that system. You could not just add a color tube and hardware to Mac and have that be the end of it. Color tubes draw more power, add a larger power supply. Bit planes require more memory, and probably would require more horsepower from the CPU to crunch that extra memory. Maybe all this extra hardware/power would now require a fan, etc. Also, I think one of

Mac's great features is the ability to print out just exactly what
you see on the screen. So would we not need color printers also?
Maybe even a color laser printer for networking?

  My point is that these enhancements are more appropriate to
a system that is in general of a higher class than Mac. Such
an enhanced system could easily end up two or three times as
expensive as the Mac system. Let's face it, the Mac is the
Volkswagen of the computer industry, which is a valid and necessary
niche for a manufacturer to fill. But putting a Rolls Royce engine
in a Volkswagen does not give you a cheap Rolls Royce, it gives
you a very expensive Volkswagen...

Message 28 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Sat 12 May 84 11:15:25-
CDT
Return-Path: <tdn@cmu-cs-spice.arpa>
Received: from CMU-CS-SPICE.ARPA by SUMEX-AIM.ARPA with TCP; Fri 11 May 84
18:24:10-PDT
Date: Friday, 11 May 1984 21:17:43 EDT
From: Thomas.Newton@cmu-cs-spice.arpa
To: info-mac@sumex-aim.arpa
Subject: Clarification
Message-ID: <1984.5.12.1.8.1.Thomas.Newton@cmu-cs-spice.arpa>
ReSent-date: Sat 12 May 84 08:33:57-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Since my message was somewhat ambiguous: I didn't mean to say that I agree
with Jerry that the Mac is a bad machine. I do think he has a valid point
that availability of applications software is going to make or break the Mac,
and that, as he puts it:

    "TI told hobbyistz and hackers to drop dead, twice.

     Long live the 99/4A"

Message 29 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Sat 12 May 84 11:38:06-
CDT
Return-Path: <Peterr%toronto.csnet@csnet-relay.arpa>
Received: from csnet-relay by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 02:38:40-PDT
Received: From toronto.csnet by csnet-relay; 12 May 84 5:09 EDT
Date: 12 May 84 2:21:20-EDT (Sat)
From: Peterr%toronto.csnet@csnet-relay.arpa
To: info-mac@sumex-aim.arpa
Subject: The number of Macs sold
ReSent-date: Sat 12 May 84 08:33:58-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

An item in the Toronto Globe and Mail for Friday May 11 (pg. B14)
confirms the 70,000 Macs-in-100-days figure (calling it 20,000 more
than expected) and compares it to the two-and-a-half years it took
to sell 50,000 Apple II's and the seven-and-a-half months to sell
the first 50,000 IBM PC's.
  Other items of interest:
- Apple is "talking to" 250 software developers, 25 in Canada, and this
  will grow to 350 and 35, respectively, by the end of the year.
- A "flurry" of software announcments is expected in June.
- The Mac has "also stimulated an unprecedented demand for Lisa".
- Xerox Canada will carry the Mac and Lisa in its retail stores.

p. rowley, U. Toronto

Message 30 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Sat 12 May 84 11:55:08-
CDT
Return-Path: <dba@cmu-cs-g.arpa>
Received: from CMU-CS-G.ARPA by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 06:26:20-
PDT
Date: 12 May 1984 09:20:46-EDT
From: David.Anderson at CMU-CS-G
Subject: Re: How well is the Mac selling?
ReSent-date: Sat 12 May 84 08:34:01-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

CMU has received about 500 Macs to date. If that is average among the
24 Consortium schools, which I doubt, that makes 12,000 sales at $1000.
I'd be more inclined to put the figure at 5,000-6,000, but I don't know.

Message 31 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 15:48:19-
CDT
Return-Path: <farber@udel-ee.arpa>
Received: from udel-ee by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 09:04:46-PDT
Date: Sat, 12 May 84 12:05:18 EDT
From: Dave Farber <farber@udel-ee.arpa>
To: info-mac%sumex-aim.csnet@udel-ee.arpa
Subject: from Compuserve
ReSent-date: Mon 14 May 84 13:04:37-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

```
10 REM  Color Demonstration Program
20 REM
30 REM Copyright  (c) 1984  by Wayne R. Loofbourrow
40 REM
50 REM Permission is granted for personal, non-commercial
60 REM reproduction of this program, provided that this
70 REM notice and all copyright notices are included in any copy.
```

```
80 REM
90 DEFINT A-Z
100 DIM CODE(100)
110 DIM PIC(257), ARRAY(256*3-1)
120 CLS : PRINT : PRINT : PRINT : PRINT : GOSUB 430
130 REM Load in Machine Language code.
140 I=0
150 READ W : IF W = -1 THEN 180
160 CODE(I)=W : I=I+1 : GOTO 150
170 REM Create pictures.
180 CLS : PRINT " Dk. Red" : PRINT : PRINT : PRINT "  Brown"
190 GOSUB 430
200 I=0 : GOSUB 450
210 CLS : PRINT : PRINT "Lt. Green" : PRINT : PRINT "  Brown"
220 GOSUB 430
230 GOSUB 450
240 CLS : PRINT : PRINT : PRINT " Dk. Blue" : PRINT
250 GOSUB 430
260 GOSUB 450
270 CLS : PRINT "Color Demonstration"
280 PRINT "Copyright  ";CHR$(169);"1984  by Wayne R. Loofbourrow"
290 PRINT : PRINT "Instructions:"
300 PRINT TAB(5); "(1) Make sure brightness isn't too high."
310 PRINT TAB(5); "(2) Make sure room lights are on."
320 PRINT TAB(5); "(3) Start Program."
330 PRINT TAB(5); "(4) Stare at it a while at eye level,"
340 PRINT TAB(8); "adjusting brightness for best effect."
350 PRINT : PRINT "Press any key to begin."
360 PRINT "Press mouse button while mouse is in this window to exit."
370 IF MOUSE(0)<>0 THEN END
380 IF INKEY$="" THEN 370
390 CLS : DISPLAY#=VARPTR(CODE(0))
400 CALL DISPLAY#(VARPTR(ARRAY(0)))
410 IF MOUSE(0)=0 THEN 400
420 CLS : END
430 PRINT : PRINT "Initializing...  Please Wait..."
440 RETURN
450 GET (0,0)-(63,63), PIC
460 FOR J=2 TO 257 : ARRAY(I)=PIC(J) : I=I+1 : NEXT J
470 RETURN
480 DATA &H206F, &H0004, &H6114, &H611E
490 DATA &H6110, &H610E, &H610C, &H612E
500 DATA &H6108, &H612A, &H6104, &H6126
510 DATA &H4E75, &H3038, &H016C, &HB078
520 DATA &H016C, &H67FA, &H4E75, &H227C
530 DATA &H0001, &HBF10, &H70FF, &H723F
540 DATA &H22C0, &H2280, &HD2FC, &H003C
550 DATA &H51C9, &HFFF6, &H4E75, &H227C
560 DATA &H0001, &HBF10, &H723F, &H22D8
570 DATA &H2298, &HD2FC, &H003C, &H51C9
580 DATA &HFFF6, &H4E75
590 DATA -1
```

Message 32 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 16:22:47-CDT
Return-Path: <farber@udel-ee.arpa>
Received: from udel-ee by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 09:04:55-PDT
Date: Sat, 12 May 84 12:06:20 EDT
From: Dave Farber <farber@udel-ee.arpa>
To: info-mac%sumex-aim.csnet@udel-ee.arpa
Subject: previous program -- color.bas
ReSent-date: Mon 14 May 84 13:04:41-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The author claims under certain conditions you will see color
on the mac when you run this. (at least some will)

Message 33 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 16:39:27-CDT
Return-Path: <@MIT-MC:G.ZEEP@MIT-EECS>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 11:25:01-PDT
Date: Sat 12 May 84 14:25:04-EDT
From: Wang Zeep <G.ZEEP%MIT-EECS@MIT-MC.ARPA>
Subject: Power
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Mon 14 May 84 13:04:46-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The first edition of MacWorld mentioned that Americans got 120 V supplies,
but that the European Macs would have 120/240 switching power supplies, so
that you only had to change the cord to change countries. Perhaps,
one can special order a Euro-MAc .

              Wang "Wanna' buy a used PC?" Zeep

Message 34 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 17:10:05-CDT
Return-Path: <REICH@NYU-ACF1.ARPA>
Received: from NYU-ACF1.ARPA by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 11:32:38-PDT
Date: 12 May 84 14:32 EDT
From: Richard Reich <REICH@NYU-ACF1.ARPA>
To: INFO-MAC@SUMEX-AIM.ARPA, Furuta@WASHINGTON.ARPA
Subject: RE: How well is the Mac selling?
Message-ID: <1334FDFC2.006C004F.1984@ACF1.NYU-ACF1.ARPA>
In-Reply-To: <8405111821.AA27448@NYU.ARPA>   ;

Message of 11-MAY-1984 14:30 from Richard Furuta <Furuta@WASHINGTON.ARPA>
ReSent-date: Mon 14 May 84 13:04:52-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The first place I saw the 70,000 sales figure was current Fortune.
I don't know what it means exactly, but 47th Street Photo in NYC now
has Macs IN STOCK at $2300 and they have MILLIONS of Apple modems also,
which I have seen nowhere else in NYC as yet.
-r

Message 35 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 18:16:13-CDT
Return-Path: <POURNE@MIT-MC>
Received: from MIT-MC by SUMEX-AIM.ARPA with TCP; Mon 14 May 84 03:39:32-PDT
Date: 14 May 1984 06:38-EDT
From: Jerry E. Pournelle <POURNE @ MIT-MC>
Subject: Toolbox equates for peons
To: INFO-MAC @ SUMEX-AIM, STERNLIGHT @ USC-ECL, REICH @ NYU-ACF1
In-reply-to: Msg of 9 May 1984 04:27-EDT from Jerry E. Pournelle <POURNE>
ReSent-date: Mon 14 May 84 13:05:07-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

[Last message on this 'subject'..... Ed.]

Let us set the record straight.

I know of three cases of applications for "Developer Status." All were refused. I probably would have turned down one of them myself. The other two seem highly qualified, and if I were hoping to get software out for my system I'd have thought them owrth encouraging.

I am pleased to hear from STERNLIGHT that there are apparent exceptions to what I was persuaded was the rule. One reason I ask questions on the net, or even make statements, is to find things out; unlike Dvorak, who recently bragged in his San Francisco Chronical column that "a columnist doesn't have to check his facts" I tend to do some homework before I publish.

My interpretation of the facts remains my own business. I don't apologize for being wrong; why should I? On this net, one says what one thinks is true; one will get corrections soon enough. Isn't taht its purpose? Without information sources, how the devil will I know.

On the other hand, it remains a fact that Apple did sufficient exhoration of hobbyists and hackers to make it a reasonable expectation from all three I know of who applied that they'd be accepted. There was also considerable hoop-lah about how much software would be developed, adn when; it was, after all, a major selling point.

My suspicion is that Apple originally meant to grant "Developer" status to a far larger number of people, then found sales much better than expected. They didn't need so many discounted machines sold to get them far out on the learning curve for manufacture, so they could charge full price for more of them than they'd thought. They chose to do that. This is not an unreasonable decision. Most corporations probably would make the same decision.

Whether it was a WISE decision is another matter.

I repeat: certainly Apple would lose little by granting developer status to every Ph.D. gainfully employed in the computer business who applies. They would lose little by granting Developer status to any hacker with a good track record, even if the track record consisted of work on programs in other people's shops rather than on their own. Sure: they'd lose, say, 1000 full price sales, at most. That's a million dollars. No small sum. But if within that thousand there was one VisiCalc...

True: the VisiCalc people had no special developer status. no one had. But the Apple II was a prety open machine, much easier to understand thd interface to. Is the Macintosh that simple? Apparently not, else there would already be some of that promised flood.

I don't know where sternlight gets the notion that I dislike Apple. I don't much care what company competes with IBM so long as somebody does it successfully. I'm a little weary of the breathless hype, and VERY weary of the Apple-polished corporate image of the Good Guys who are somehow differently motivated, but I can make that statement about other companies I know of.

If the Mac had 500K of memory and a second drive, then it would be worth $2500 and more; alternatively, it's worth a fair bit less in its present state. That, of course, is merely an opinion, based on considerable experience with a number of machines (including a Mac).

Now: if Sternlight's angry little tirade is answered, then I too am willing to pass on to another subject. I alrady was; that's why I "changed the subject" after he pointed out that I was mistaken in one point of information. I hadn't know that I was supposed to acknowledge that I'd lost some kind of debating point; however, I'm perfectly willing to make that acknowledgement if it makes him feel better.

Last point: does anyone know WHY it is taking so long to write useful applications programs for the Mac? One story we heard: Apple intended to do it all in house. They had not intended even Microsoft basic. Then, very late last year, they discovered that they were not going to be producing any useful software (other than the ability to produce 9 page illuminated manuscripts) before the Mac was to be releeased. There was panic calls, including to Microsoft; which is why the Microsoft Basic implementation is such a kludge (14 K workspace!).

Anyone know whether or not that's true?

Next rumour: AT&T will sell Macs with 256K chips. I

keep hearing that. It makes little sense to me. I have no confirmations, only multiple sources. Anyone know?

The main question remains: if it's so easy to interface with the Mac and write software for it, why has none appeared? Is it being held for COMDEX; or is it harder to write than was supposed?

Message 36 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 18:40:11-CDT
Return-Path: <awd@ut-ngp.ARPA>
Received: from ut-ngp.ARPA by SUMEX-AIM.ARPA with TCP; Mon 14 May 84 07:52:47-PDT
Posted-Date: Mon, 14 May 84 09:45:30 CDT
Message-Id: <8405141453.AA25534@ut-ngp.ARPA>
Received: by ut-ngp.ARPA (4.22/4.22)
id AA25534; Mon, 14 May 84 09:53:52 cdt
Date: Mon, 14 May 84 09:45:30 CDT
From: Andrew W. Donoho <awd@ut-ngp.ARPA>
To: info-mac@sumex-aim.ARPA
Subject: Protocol for SendOne/GetFile???
ReSent-date: Mon 14 May 84 13:05:09-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Does anyone in netland know the protocol for the SendOne/GetFile transfer programs that Apple includes in its software supplement to the Mac? We haven't been able to find any documentation on this in Inside Macintosh. Any information would be greatly appreciated. If I receive some useful information I will repost it to the net.

Thanks in Advance
Andrew W. Donoho
awd@ut-ngp

Message 37 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 18:55:45-CDT
Return-Path: <nivek@cmu-ri-rover.arpa>
Received: from CMU-RI-ROVER.ARPA by SUMEX-AIM.ARPA with TCP; Mon 14 May 84 10:11:26-PDT
Date: 14 May 1984 13:13:00-EDT
From: Kevin.Dowling at CMU-RI-ROVER
Subject: Printer
ReSent-date: Mon 14 May 84 13:05:11-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

The May issue of BYTE talks about the new addition to the Apple line: The Apple IIc. In addition, on page 282, they mention a new printer

called The Scribe. The Scribe is a plain-paper thermal transfer printer with color capabilities (no price announced but expected to be in the $300 range) The Scribe, it is said, will print on virtually any paper surface and projection transparencies. It is designed as a printer for the entire product line including Mac's and Lisa's.

The BYTE article
goes on to say that output appeared to exceed the Imagewriter in quality.
It operates at 80cps (draft mode) or 50cps (letter mode)
Dot resolution is 160 horizontal x 144 vertical per inch or 23040 dots/sq in.

Color printing is done by a color ribbon with a spectrum of colors arranged in bands on the ribbon. About $5 for a 80,000 character black ribbon and about $8 for color. Any estimates on how much text is 80,000 chars?

The printhead is a proprietary device that consists of 24 resistance elements that are arranged in a vertical column. While printing, the head is pressed against a polyester ribbon with carbon filled paraffin ink on it. The resistance elements are pulsed briefly, heating them and melt the ink to deposit it on the paper. The temperature range of the resistance element goes from 300 degrees F to 95 degrees F in several microseconds.

nivek
ARPANET: nivek@cmu-ri-rover
USmail : Kevin Dowling
Robotics Institute
Pgh, PA 15213
Bell : (412) 578-8830

Message 38 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 19:26:46-CDT
Return-Path: <M.CHAD@SU-SIERRA.ARPA>
Received: from SU-SIERRA.ARPA by SUMEX-AIM.ARPA with TCP; Mon 14 May 84 10:13:42-PDT
Date: Mon 14 May 84 10:09:50-PDT
From: Chad Leland Mitchell <M.CHAD@SU-SIERRA.ARPA>
Subject: price
To: info-mac@SUMEX-AIM.ARPA
ReSent-date: Mon 14 May 84 13:05:14-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

Individually, a few of Jerry's points make some sense, but taken together I am not sure. For example:
-Apple may be going for market share. I am sure that they are based on advertizing strategies, but we will not really know as long as they can sell every Mac they can make at the current price. If they drop the price as production catches up to sales THEN we will know they are going for market share. Until then we do not know.

-To be useful by Jerry's definition, a Mac needs a second drive and a printer which does not bring the price to $4000. First he complained that the second drive was not available. Is he now complaining that it is available?
-Jerry's main concern about software is that there is not enough software right now. I cannot understand how changing the certified developer program would help with that. If Apple approved everyone who applied from here on they would still contribute little software until soemtime next year.
-If I see a BYTE article which says that there are only 7 or 9 (or however many there are right now) software packages currently available for the Mac, I hope it also reads "(as of May 7)" or something like that. The "Update" on the Macintosh and Lisa 2 in the current BYTE seems to have been written right after the January 24th meeting. With such a lag time, any claim to little software is likely to be very out of date.
-I am not too worried that no software will arrive. I might be if it were all still in design or development phases, but much of it is in Beta test and very little that makes it to beta test does not really ship.
-We all want the software to be well tested and really custimized to take advantage of the Mac. We complain about the MS-Basic which seems to be a quick port. We also want all of that software right now. I would rather wait till June for well tested software than get something now that works as well as some of the early software on some other machines. The ONLY editor that I am aware of for the IBM-PC when it was announced was EDLIN which as you might guess is a line editor.

I do have a possible correction to make. Rumors still seem to indicate that in the early days of the Certified Developer program there was a 90% acceptance rate. When they reached about 1000 certified developers (far more than anticipated) they seem to have decided to change that acceptance rate significantly (this is just a rumor to me, but others seem to support this). Perhaps when their staff figures out how to support the volume of developers already accepted they will change the acceptance rate again. Thus I stand corrected. Back when they told me that anyone with the right qualifications would be accepted that was true, but it may no longer be true.
Chad

Message 39 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 19:57:47-CDT
Return-Path: <farber@udel-ee.arpa>
Received: from udel-ee by SUMEX-AIM.ARPA with TCP; Mon 14 May 84 10:27:59-PDT
Date: Mon, 14 May 84 13:27:29 EDT
From: Dave Farber <farber@udel-ee.arpa>
To: info-mac%sumex-aim.csnet@udel-ee.arpa
Subject: Query on rs232/422 mac connectors
ReSent-date: Mon 14 May 84 13:05:16-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

We are getting about 2.5 volts out of our mac on pin 7. Is that
normal? I believe the specs for rs232 say > 3 volts

Message 40 -- **********
Return-Path: <PATTERMANN@SUMEX-AIM.ARPA>
Received: from SUMEX-AIM.ARPA by UTEXAS-20.ARPA with TCP; Mon 14 May 84 20:51:51-CDT
Return-Path: <REICH@NYU-ACF1.ARPA>
Received: from NYU-ACF1.ARPA by SUMEX-AIM.ARPA with TCP; Sat 12 May 84 11:42:49-PDT
Date: 12 May 84 14:42 EDT
From: Richard Reich <REICH@NYU-ACF1.ARPA>
To: WCATTEY@BBNF.ARPA
Cc: INFO-MAC@SUMEX-AIM.ARPA
Message-ID: <13350C49C.0191005D.1984@ACF1.NYU-ACF1.ARPA>
In-Reply-To: <WCATTEY.12014511182.BABYL@BBNF.ARPA> ;
     Message of 11-MAY-1984 21:14 from "William D. Cattey" <WCATTEY@BBNF.ARPA>
ReSent-date: Mon 14 May 84 13:04:54-PDT
ReSent-From: Ed Pattermann <PATTERMANN@SUMEX-AIM.ARPA>
ReSent-To: info-mac: ;

I got the new stuff (Finder, MacWrite, DiskCopy) from my store on a
completely informal ("I can't really tell you where I got it...") basis.
All seems well EXCEPT MacForth craps out at initiation using the new
system folder. BASIC seems to work ok, and I haven't checked Multiplan yet.
-r
ps... The new "About the Finder" is pretty cute.

From 2714343831297041571
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88f818f6b6df0c92,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,88f818f6b6df0c92,start
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-05-23 08:47:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Denver Mods 4/2/84) 6/24/83; site drutx.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!ihnp4!drutx!bees
From: bees@drutx.UUCP (DavisRB)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: INFO-MAC Articles
Message-ID: <377@drutx.UUCP>
Date: Wed, 23-May-84 11:47:51 EDT
Article-I.D.: drutx.377
Posted: Wed May 23 11:47:51 1984
Date-Received: Sat, 26-May-84 11:25:31 EDT
Organization: AT&T Information Systems Laboratories, Denver
Lines: 5

Now... does this spark more interest in net.micro.apple.32
and an arpa gateway thereof?

Ray Davis UNIX Systems Group druxy!bees

From 1296096998516486463
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c58c736de728cb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 10:28:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!neves@WISC-RSCH.ARPA
From: neves@WISC-RSCH.ARPA
Newsgroups: net.micro.apple
Subject: Re: apple drives
Message-ID: <1150@sri-arpa.UUCP>
Date: Wed, 23-May-84 13:28:37 EDT
Article-I.D.: sri-arpa.1150
Posted: Wed May 23 13:28:37 1984
Date-Received: Mon, 28-May-84 05:47:38 EDT
Lines: 4

I don't know about realigning but the Apple-Dayton users group sell 2 kits,
one for the II+ motherboard and the other for the Disk II. Each comes
with Troubleshooting Manual and IC's. The Disk II kit sells for about $35.
Contact Apple-dayton, Inc.,PO BOX 1666, Fairborn, OH 45324. 513-879-5895.

From 4155302460987610461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,49f143564983bf0f,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,49f143564983bf0f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 10:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1e.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!mgnetp!ihnp4!
ihu1e!nowlin
From: nowlin@ihu1e.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: Flipping Floppies
Message-ID: <257@ihu1e.UUCP>
Date: Wed, 23-May-84 13:56:00 EDT
Article-I.D.: ihu1e.257
Posted: Wed May 23 13:56:00 1984
Date-Received: Fri, 25-May-84 01:02:47 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 33

I recently got my update to Aztec C (Version 1.06B). One of the disks

had a bad side, but they're going to send me a new one right away. They distributed this version on two double sided disks that have to be turned over on my Apple. Besides Manx I've also purchased Microzine from Scholastic Software and Graphics Magician from Penguin Software in this form.

That brings me to a question. Have you ever cut a WP notch in the off edge of a floppy and turned it over to use the other side? I tried this for backing up Penguin's Graphics Magician. I just used an Exacto knife I had laying around and measured the spot with a ruler. It worked just great as far as I can tell.

Then I read an article about why turning over disks is not a good practice. According to the article, when the disk spins in the opposite direction dirt drops out on the disk instead of being picked up by the jacket liner. Is this a real matter for concern? If it is then why do companies like Manx, Penguin, and Scholastic distribute their software on floppies that have to flipped over? Even if the disks they use are certified for double sided use, they still spin in opposite directions when you turn the disk over to use the other side.

They might rationalize that you will back your new software up right away and never use the original disks enough for this to be a problem. That can't Scholastic's reasoning since their stuff is protected. If this is truly a problem, and not just propaganda written by some disk manufacturer, would Scholastic be responsible for a disk drive head problem since their disks could contribute to the failure? Anyone have any thoughts on this topic?

Jerry Nowlin
ihnp4!ihu1e!nowlin

From -6757446907634891271
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b62aa1ffb3075c88,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 11:48:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!dec-rhea!dec-dosadi!binder
From: binder@dosadi.DEC (The Stainless Steel Rat)
Newsgroups: net.micro.apple
Subject: ANIX 2.0?
Message-ID: <476@decwrl.UUCP>
Date: Wed, 23-May-84 14:48:20 EDT
Article-I.D.: decwrl.476
Posted: Wed May 23 14:48:20 1984
Date-Received: Fri, 25-May-84 00:53:10 EDT
Organization: DEC Engineering Network
Lines: 20

I have ANIX 1.0 by Lazer Systems - it's sort of a UNIX lookalike, but it lacks such niceties as pipes, hierarchical directories, multiple processes, and a few others. The real hardware nicety about it is that

it is file compatible with DOS 3.3 but faster. There was supposed to be
a Version 2.0 to follow, but I haven't seen it. Does anyone know
anything about it, or has Randy Hyde, the author of Version 1.0, gone on
to bigger and better things?

Also, I'd like opinions on LISA V2.6, which is Lazer's assembler/editor
that runs under ANIX or under DOS 3.3.

Thanks, as they say, in advance.

Cheers,
Dick Binder   (The Stainless Steel Rat)

UUCP: {decvax|allegra|ucbvax}!decwrl!rhea!dosadi!binder
ARPA: binder%dosadi.DEC@decwrl.ARPA

Posted Wednesday 23rd May 1984, 14:23 Eastern time by DOSADI::BINDER

From 844753383772433447
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2738ec021bf7639d
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 12c65a,2738ec021bf7639d
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 129c11,2738ec021bf7639d
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-05-23 12:04:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rochester.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!hao!seismo!rochester!parker
From: parker@rochester.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.cbm
Subject: Re: Yes there is a fast HL language for the 6502
Message-ID: <7091@rochester.UUCP>
Date: Wed, 23-May-84 15:04:08 EDT
Article-I.D.: rocheste.7091
Posted: Wed May 23 15:04:08 1984
Date-Received: Sat, 26-May-84 02:19:52 EDT
References: <268@intelca.UUCP>
Organization: U. of Rochester, CS Dept.
Lines: 34
Xref: 1510 265 258

There most certainly is a fast high-level language available for the
6502. It is called ACTION! (TM Action Computer Services) and is
marketed by Optimized Systems Software. It is currently only available
for the Atari computer but the C64 version should be out 4th quarter
this year. There were initial plans on doing an Apple version as well,
but the lack of interest from Apple owners caused that version to be
scrappd (8088/86 MS/PC DOS versions should be available 1st or 2nd
quarter of 1985).

For people who are familiar the BYTE sieve (prime number) bench mark; ACTION!`s execution time is about 10 seconds with register (zero page) variables (1.8 MHz Atari, no screen DMA). This time is better than any other HL language listed for either the 6502 or Z80 (even at 4MHz!)! Even without register variables, ACTION! executes it in about 12 seconds (sorry, I don't remember the exact timings off the top of my head). The source for the sieve compiles off of disk in about 2-3 seconds (most of that time is spent opening the file) and in well under a second from the editor buffer (there is an editor built into the system).

Now a little background about the language. First, it generates native 6502 machine code (you probably guessed this already). The code generated normally is 2 to 3 times larger than ASM and runs 2 to 3 times slower, but it depends on the programmer (of either). The compiler is one pass recursive descent and is very fast. ACTION! is not a PASCAL or C compiler, but it does support many of the control structures found in these languages. ACTION! does not support recursion, thus it gets around the problem of needing a 16 bit index register (static allocation for both local and global variables and arrays).

If you want more information about ACTION! please let me know.

Clinton Parker
rochester!parker (uucp) via allegra, decvax, seismo
parker@rochester (arpa)

From 4232871537024900179
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,972c116160c1aeaf
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 16:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!sri-unix!TMPLee@MIT-MULTICS.ARPA
From: TMPLee@MIT-MULTICS.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple IIe modem hookup
Message-ID: <1145@sri-arpa.UUCP>
Date: Wed, 23-May-84 19:26:00 EDT
Article-I.D.: sri-arpa.1145
Posted: Wed May 23 19:26:00 1984
Date-Received: Mon, 28-May-84 05:45:24 EDT
Lines: 14

I'm using a Hayes 1200 Smartmodem on my II+ with no problem, with the Apple SuperSerial Card. Although I'm now driving it (them) with my own little assembler program (so I can handle x-on and x-off and run the printer) I originally started with just the terminal-mode ROM code in the SSC. As I recall, it was important to get the baud-rate set right on the SSC (the Hayes detects what baud you are using when it sees the AT) and to get parity right, 'though I'm not sure how critical that was.

The other point was to start the SSC with IN#3, not PR#3 -- that may be what you need too. I don't know if the IIe has hardware scrolling on the 80col screen (I assume not) so to run at full 1200 you have lower the screen window a few lines or you'll lose characters at the beginning of lines.

Ted

From 7695476974872355240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11aab4,b9a0fb2fbb269a94
X-Google-Attributes: gid11aab4,public
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 16:35:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!grkermit!masscomp!clyde!burl!ulysses!mhuxl!
ihnp4!fortune!lowry
From: lowry@fortune.UUCP
Newsgroups: net.micro.apple,net.lang
Subject: Re: LL(1) parser for an apple. (are you mad?!?)
Message-ID: <3392@fortune.UUCP>
Date: Wed, 23-May-84 19:35:07 EDT
Article-I.D.: fortune.3392
Posted: Wed May 23 19:35:07 1984
Date-Received: Sat, 26-May-84 02:16:37 EDT
References: <1207@sdccs7.UUCP>, <133@moscom.UUCP> <1219@sdccs7.UUCP>,
<300@sjuvax.UUCP>
Organization: Fortune Systems, Redwood City, CA
Lines: 5

Regarding the comment that recursive desecent "automatically"
requires the use of a hiagher level langauge---not true. If
you manage your own stack of local variables, you can do it
in assembly language. I know; I did it once. On an apple, no less.

From 3326870213139603314
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9a539ab38d06d3bb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-23 20:30:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2g.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!hou2g!mlr
From: mlr@hou2g.UUCP (M.ROBINS)
Newsgroups: net.micro.apple
Subject: Apple /// software and manuals
Message-ID: <260@hou2g.UUCP>
Date: Wed, 23-May-84 23:30:57 EDT
Article-I.D.: hou2g.260

Posted: Wed May 23 23:30:57 1984
Date-Received: Sat, 26-May-84 13:15:20 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 13

I have recently had my Apple /// computer stolen.I still
have all the manuals and software that I want to get rid of.

Most of the disks are original masters, and all of the manuals
are in excellent condition.

Any interested parties can send me mail, and I will send
you a list of the items.

Mike Robins
hou2g!mlr
Work 201-870-7311
Home 201-957-9566

From -3974742911603713867
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a3fdd84fb0553097,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-01 09:12:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1.chuqui 4/7/84; site nsc.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!nsc!chuqui
From: chuqui@nsc.UUCP (Chuq Von Rospach)
Newsgroups: net.micro.apple
Subject: info on apple II/c wanted
Message-ID: <897@nsc.UUCP>
Date: Tue, 1-May-84 12:12:33 EDT
Article-I.D.: nsc.897
Posted: Tue May 1 12:12:33 1984
Date-Received: Thu, 3-May-84 08:23:37 EDT
Organization: National Semiconductor, Sunnyvale
Lines: 15

I seem to have been in limbo when the II/c was announced (a reasonably
normal occurance for me). Can someone post or mail the details of what it
is (and isn't) along with pricing and when I might actually be able to
see/buy/take_one_home? I've heard 1295 with one disk drive and no screen,
full IIe compatibility with 80 column and extended graphics included. I've
also heard there are no expansion slots. Is this true? Anyone want to make
editorial comments on this thing?

chuq

--
From high above Benden weyr, Ch'qui, rider of the plaid dragon Plugh!
Chuq Von Rospach {amd70,fortune,hplabs,ihnp4}!nsc!chuqui (408) 733-2600 x242

ninety nine dead baboons, sitting in my living room...

From -7413090990375287531
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,33dde19e6d1fd64e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-01 18:13:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
noscvax!uhpgvax!islenet!todd
From: todd@islenet.UUCP
Newsgroups: net.micro.apple
Subject: Apple //c review
Message-ID: <374@islenet.UUCP>
Date: Tue, 1-May-84 21:13:33 EDT
Article-I.D.: islenet.374
Posted: Tue May 1 21:13:33 1984
Date-Received: Thu, 3-May-84 08:45:57 EDT
Organization: Islenet Inc., Honolulu
Lines: 49

It takes a while for new items to hit Hawaii so if this is old news for all of you, PLEASE NO FLAMES!.

I had a chance to play with the new Apple //c for about an hour today. Here are some facts and impressions. This is over and above what has already been discussed previously in net.micro.apple

I/O ports

- Composite video out (RCA type jack)
- RGB video out (DB-15)
- External disk drive DB jack
- Two DIN type serial ports (one assigned to SLOT 1 the other to SLOT 2)
  speeds up to 19.2K baud supported
- Joystick/Mouse port (DB-9)...Apparently interrupts are supported on
  this joystick port unlike the II+ and //e
- Earphone (miniplug) with volume control (speaker output also controlled
  by the volume control)

The keyboard layout is the same as the //e. However, the keys are flatter (not chiclet though) and have what might be called "half-travel." A switch on the case can flip the keyboard state between QWERTY mode and DVORAK mode (nice touch!).

The CPU is the CMOS 65C02. In addition to being a low power device, the 65C02 has more instructions available than the 6502. Among them are some I have long waited for:

```
PHX       ;push X reg to stack
PHY       ;push Y reg to stack
PLX       ;pull off stack to X reg
PLY
```

and also additional bit field commands.

The soft switching from 80 column mode to 40 column mode is much much cleaner than the //e soft switch in that direction. No funny business like on the //e. And yes, PR#0 and PR#3 will switch the modes just like before.

The disk drive seems a little noisy during zero track seeking but is quiet at other times. The unit seems to run fairly cool. Although the main unit is small and light at approx 7 lbs., the power transformer is a heavy 5 lb box with a think cable connecting it to the //c bringing it to 12 lbs.

The flat screen display is supposed to be available soon for around $150 which brings the //c w/ display price to $1445 + tax (if any where you live). If no major defects turn up in the initial weeks, I plan to get my //c sometime in July or August. More then.....Anyone brave enough to be the first on the block and report more on this machine?....todd

Todd Ogasawara -- University of Hawaii -- Dept. of Psychology
          { dual,vortex,uhpgvax }!islenet!todd

From -3340812292417106664
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c26f72e4d1930484,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-01 19:18:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!
noscvax!uhpgvax!islenet!todd
From: todd@islenet.UUCP
Newsgroups: net.micro.apple
Subject: Aftersale support from SDS
Message-ID: <375@islenet.UUCP>
Date: Tue, 1-May-84 22:18:38 EDT
Article-I.D.: islenet.375
Posted: Tue May 1 22:18:38 1984
Date-Received: Thu, 3-May-84 08:46:24 EDT
Organization: Islenet Inc., Honolulu
Lines: 41

In the fall of 1980 back when Roger Wagner Publishing, Inc. was called Southwestern Data Systems, they had a little $34.95 word processor called "The Correspondent" for the Apple II+. This was back when micro software came in ziploc bags (tm of someone or other) and little companies appeared and disappeared overnight. In any case, while I didn't expect SCRIPT or nroff for $34.95 (the only two formatters I had ever used up until that point), there were a few changes and additions that seemed necessary. I fired off a short letter to Roger Wagner and promptly forgot about it.
A few months later I received the brand new DOS 3.3 version of "The Correspondent" with a letter saying this update was free and their way of thanking me for my comments and criticisms of the earlier version. Needless to say I was quite pleased back then (around the summer of 1981).

Imagine my surprise when I found a package shipped UPS Blue waiting for me today (5/1/84) from RWPI and found that this box contained the latest incarnation of that $34.95 program I bought nearly four years ago. The letter enclosed said that they had not forgotten my comments on that early version and that this package was also gratis.

What can I say? In this day and age when I can barely get firms to send me updates that I pay for (is Microsoft listening?...I am still waiting for my MS-DOS C Compiler V.2.0 update!!!!!) it is quite nice to know that some software companies out there remember their old customers from the ziploc days.

The least I can do is tell you what the package is all about. The package contains

1. the latest version of "The Correspondent" word processor which supports both 40 and 80 column modes on the II+, //e, and //c The disk is NOT copy protected and uses Diversi DOS for enhanced disk access.
2. A couple of nice little utilities to a) get a free sector count, b) obtain load address and length of the lasted loaded binary file
3. "The Analyst" which helps determine the readability of a piece of writing
4. "Tut's Typer" a hi-res game to help to learn to type (very nice, by the way).
5. a paperbound copy of "Strunk & White: The Elements of Style"

Todd Ogasawara -- University of Hawaii -- Dept. of Psychology
{ dual,vortex,uhpgvax }!islenet!todd

From -9069219778372417596
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,ee7c755c8c33d8be,start
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 11d441,ee7c755c8c33d8be,start
X-Google-Attributes: gid11d441,public
X-Google-Thread: 1622d3,ee7c755c8c33d8be,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-03 08:41:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!harpo!decvax!mcnc!ecsvax!egapmh
From: egapmh@ecsvax.UUCP
Newsgroups: micro.apple,micro.cpm,net.micro.apple
Subject: apple z-80 macro assembler
Message-ID: <2426@ecsvax.UUCP>
Date: Thu, 3-May-84 11:41:33 EDT
Article-I.D.: ecsvax.2426
Posted: Thu May 3 11:41:33 1984
Date-Received: Fri, 4-May-84 05:35:39 EDT
Lines: 10

  1. Can anyone recommend a z-80 macro assembler for a
PCPI z-80 card running on a FRANKLIN 1000?
  2. Does anyone know where you can purchase Digital Research's
CPM documentation ? (none comes with the PCPI card) Given the
documentation's rep is it worth it or would a 3rd party book
be better?
                thanks,

                   Paul Hudy -egapmh

From -8120365311694291966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,7500190d90b191d4,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,7500190d90b191d4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-03 09:15:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mprvaxa.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!bmcg!cepu!trwrba!trwrb!sdcrdcf!hplabs!
tektronix!uw-beaver!ubc-vision!mprvaxa!jackson
From: jackson@mprvaxa.UUCP
Newsgroups: net.micro.apple,net.wanted
Subject: Wordstar on Apple - help
Message-ID: <539@mprvaxa.UUCP>
Date: Thu, 3-May-84 12:15:35 EDT
Article-I.D.: mprvaxa.539
Posted: Thu May 3 12:15:35 1984
Date-Received: Tue, 8-May-84 00:06:40 EDT
Organization: Microtel Pacific Research, Burnaby BC
Lines: 9

I am trying to bring Wordstar up on my Apple][with Epson-type parallel card,
Gemini 10 printer.
No luck. Prints nothing.
Does anyone have the necessary patches to BIOS to get this combination up and
running?

                     Thanks in advance
                     Taylor Jackson
                     ubc-vision!mprvaxa!jackson

From 7604136079486379749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c9b,ee7c755c8c33d8be
X-Google-Attributes: gid129c9b,public
X-Google-Thread: 11d441,ee7c755c8c33d8be
X-Google-Attributes: gid11d441,public
X-Google-Thread: 1622d3,ee7c755c8c33d8be
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-03 13:02:44 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!ecsvax!mjg
From: mjg@ecsvax.UUCP
Newsgroups: micro.apple,micro.cpm,net.micro.apple
Subject: Re: apple z-80 macro assembler
Message-ID: <2427@ecsvax.UUCP>
Date: Thu, 3-May-84 16:02:44 EDT
Article-I.D.: ecsvax.2427
Posted: Thu May 3 16:02:44 1984
Date-Received: Sat, 5-May-84 00:54:39 EDT
References: ecsvax.2426
Lines: 7

One Z80 macro assembler for cp/m which should run on any apple z80 card
is the one from AD2500. They make an excellent range of programs at very
reasonable prices.

Get yourself a 3rd party book or two.

Mike Gingell (mjg)

From -8788066620332400512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d49b76ba683fb57,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-04 14:12:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!ittvax!dcdwest!sdcsvax!bmcg!cepu!
trwrba!trwrb!sdcrdcf!hplabs!hao!seismo!brl-tgr!howard
From: howard@brl-tgr.UUCP
Newsgroups: net.micro.apple
Subject: Apple II Disk drive microswitch
Message-ID: <2764@brl-tgr.ARPA>
Date: Fri, 4-May-84 17:12:22 EDT
Article-I.D.: brl-tgr.2764
Posted: Fri May 4 17:12:22 1984
Date-Received: Tue, 8-May-84 07:10:35 EDT
Organization: Ballistics Research Lab
Lines: 20

    I wanted to add a three position switch to my apple drives. One
position would write-protect the disk independent of the disk notch,
one position would write-enable independent of the disk notch and the
third position would allow the disk notch to function normally. This would
be easy to do if one side of the disk notch microswitch was grounded or tied
to +5V.
    To my great dismay, I discovered that the disk notch microswitch
is not connected to ground or +5V. On page 146, Circuit Schematic: Disk II
Analog Board, The DOS Manual, one side of the microswitch is connected
to the pad marked W PROT and the other side is connected to WP RET.

W PROT is wired to IC B4, pin 2 which provides the microswitch status to the digital card. WP RET is connected to the Phase 1 line.

Does anyone know why the Phase 1 connection is made? Why isn't this side of the switch simply grounded or tied to +5? What would be the consequences of breaking the Phase 1 connection?

Howard Walter
howard@brl
...!decvax!brl-bmd!howard

From 1168583525677929872
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f02816f3dc790eb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-04 18:09:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site oddjob.UChicago.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!oddjob!jeff
From: jeff@oddjob.UChicago.UUCP (Jeff Bishop)
Newsgroups: net.micro.apple
Subject: Programs for the MAC
Message-ID: <179@oddjob.UChicago.UUCP>
Date: Fri, 4-May-84 21:09:56 EDT
Article-I.D.: oddjob.179
Posted: Fri May 4 21:09:56 1984
Date-Received: Sat, 5-May-84 02:11:36 EDT
Organization: U. Chicago - Astro.
Lines: 17

<>

I have recently purchased a Mac., and would like to know what future software/hardware will be available for it. Does anyone have any relevant information?

I purchased MacWrite/Paint and it's pretty good except that as of now one can only write about ~12 pages worth of text. Hopefully something better will be coming out soon. I've also got microsoft basic and an advanced copy of MacBasic/MacPascal. The MS-basic is quite interesting (it has good mouse control commands) but since I don't have a manual for the apple software I've had a hard time getting to use it properly.

I'ld like to hear about what others have to say about the Mac and related topics.

Jeff Bishop || University of Chicago
...ihnp4!oddjob!jeff || Astrology & Astrophysics Center

From 4215826702329815792
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-05-05 11:41:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs7!ee163ahp
From: ee163ahp@sdccs7.UUCP (GALACTUS)
Newsgroups: net.micro.apple
Subject: C compiler
Message-ID: <1207@sdccs7.UUCP>
Date: Sat, 5-May-84 14:41:11 EDT
Article-I.D.: sdccs7.1207
Posted: Sat May 5 14:41:11 1984
Date-Received: Sun, 6-May-84 01:06:14 EDT
Organization: U.C. San Diego, Computer Center
Lines: 11

Is there a C compiler out there that does not use the Z-80 card
for the apple II?
If so, where and how much.
Also, does anyone know of any parsing techniques suitable for
micro-computer implementation besides recursive descent, and operator
precedence.

Nick Flor

From -1083516306636533769
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f02816f3dc790eb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-06 08:13:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fisher.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!princeton!astrovax!fisher!djl
From: djl@fisher.UUCP (Dan Levin N6BZA)
Newsgroups: net.micro.apple
Subject: Re: Programs for the MAC
Message-ID: <141@fisher.UUCP>
Date: Sun, 6-May-84 11:13:24 EDT
Article-I.D.: fisher.141
Posted: Sun May 6 11:13:24 1984
Date-Received: Mon, 7-May-84 01:07:14 EDT
References: <179@oddjob.UChicago.UUCP>
Organization: Princeton Univ. Statistics
Lines: 9

Plans for a 'real' (compared to MacTerm) terminal emulator
are in the air here. Should be ready by September, and
include table driven emulation of vt100 and IBM 3101.

--
***dan

{ihnp4 | decvax | ucbvax}!allegra!fisher!djl
The misplaced (you call *that* a mountain ?!?!?) Californian

From -7311235248711633974
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,7500190d90b191d4
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,7500190d90b191d4
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-06 21:52:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
whuxle!mit-eddie!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs7!ee163ahp
From: ee163ahp@sdccs7.UUCP
Newsgroups: net.micro.apple,net.wanted
Subject: Re: HEY, LET POST AE LINES
Message-ID: <1212@sdccs7.UUCP>
Date: Mon, 7-May-84 00:52:26 EDT
Article-I.D.: sdccs7.1212
Posted: Mon May 7 00:52:26 1984
Date-Received: Tue, 8-May-84 03:28:53 EDT
References: <539@mprvaxa.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 27

hey, why doesn't everybody post their
ae lines or someone elses ae line?

here are some in sandiego:

    number   password
    278-9114 vector
    421-9398 vector
    421-9230 mcp
    443-2104 piracy
    748-7440 magi

why is everyone so lame. post post with
haste.

oh yeah, THE SYSOPS ARE NOT RESPONSIBLE
FOR ANY INFORMATION FOUND UPLOADED ON
THE BOARDS.

they are not always up and lame high
school kids usually run them.
(whoops, no offense to you high school
kids.)

From 8948480037724878395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-06 22:46:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!akgua!psuvax!burdvax!sjuvax!bbanerje
From: bbanerje@sjuvax.UUCP (B. Banerjee)
Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <288@sjuvax.UUCP>
Date: Mon, 7-May-84 01:46:09 EDT
Article-I.D.: sjuvax.288
Posted: Mon May 7 01:46:09 1984
Date-Received: Wed, 9-May-84 02:46:59 EDT
References: <1207@sdccs7.UUCP>
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 24

>> Also, does anyone know of any parsing techniques suitable for
>> micro-computer implementation besides recursive descent, and operator
>> precedence.
>>
>>   Nick Flor

Why anyone would use recursive descent is beyond me. Try an LL(1)
predictive parser. You might want to keep the operator precedence
grammar for expressions. This is just as powerful as the recursive
descent parser (recognises the same grammar(s)) but avoids recursive
overhead.

This brings me to... has anyone written a parser generator for LL(1)
grammars, sort of like YACC? I'm planning to do it myself when I find
the time, but would be overjoyed if someone had beaten me to it
(and was willing to make it available).

Regards,
--

                    Binayak Banerjee
          {allegra | astrovax | bpa | burdvax}!sjuvax!bbanerje

From 2542883571139466676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5f02816f3dc790eb
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-07 04:47:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site analog.UUCP

Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!analog!kim
From: kim@analog.UUCP
Newsgroups: net.micro.apple
Subject: Re: Programs for the MAC
Message-ID: <129@analog.UUCP>
Date: Mon, 7-May-84 07:47:39 EDT
Article-I.D.: analog.129
Posted: Mon May 7 07:47:39 1984
Date-Received: Fri, 11-May-84 00:19:04 EDT
References: <179@oddjob.UChicago.UUCP>
Organization: Analog Design Tools, Menlo Park, Ca.
Lines: 23

You should be able to get some of the information you want by reading the publications about the MAC -- ST. MAC, and MAC World. The April issue of MAC WORLD has an article on pg 110 which presents a simple program using the mouse in MS BASIC, MAC BASIC, and MAC PASCAL. All three listings are well-commented, and suggestions for improvements given. You should be able to use the examples to do something with Pascal and BASIC. Another source of info is Compuserve (and, presumably, The Source). There is a very active MAC group running on CompuServe, and a very good terminal emulator written in MS BASIC (MACTEP) is available on the X-access database for the Apple SIG on CS. By some accounts, MACTEP is *much better* than MacTerminal!!

By the way, *HOW* do you get your hands on pre-release versions of MAC BASIC and Pascal???? I live in the same area as Apple--even have some internal connections (of possibly dubious quality), and I can't seem to get anyone to let loose of a copy!! This goes for MacTerminal, the new 4-pass copy routine, and the update of MacWrite which is supposed have sub- and superscripts, etc. What gives here? What have you guys got that I don't have? (Besides the pre-release stuff, of course.)

hplabs!analog!kim
Kim Helliwell

From 7751065641467463673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-07 14:59:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!hao!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.UUCP
Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <1519@brl-vgr.ARPA>
Date: Mon, 7-May-84 17:59:42 EDT
Article-I.D.: brl-vgr.1519

Posted: Mon May 7 17:59:42 1984
Date-Received: Fri, 11-May-84 00:15:27 EDT
References: <1207@sdccs7.UUCP>
Organization: Ballistics Research Lab
Lines: 4

The Aztec C compiler from Manx Software Systems (somewhere in NJ)
is available for the Apple II and does not use the Z80 card.
The price etc. are available from their ad in magazines such as
Byte.

From -5928403278969663935
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-08 02:32:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site moscom.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!hao!seismo!rochester!ritcv!
moscom!
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <133@moscom.UUCP>
Date: Tue, 8-May-84 05:32:02 EDT
Article-I.D.: moscom.133
Posted: Tue May 8 05:32:02 1984
Date-Received: Sat, 12-May-84 07:09:30 EDT
References: <1207@sdccs7.UUCP>
Sender: news@moscom.UUCP
Organization: MOSCOM Corp, East Rochester, NY
Lines: 4

The Aztec C compiler from Manx Software Systems (somewhere in NJ)
is available for the Apple II and does not use the Z80 card.
The price etc. are available from their ad in magazines such as
Byte.

From 9077008785799898244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bad484e1ef2e57e7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-08 08:10:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site islenet.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!noscvax!
uhpgvax!islenet!todd
From: todd@islenet.UUCP
Newsgroups: net.micro.apple
Subject: Rana 8086/2
Message-ID: <405@islenet.UUCP>

Date: Tue, 8-May-84 11:10:58 EDT
Article-I.D.: islenet.405
Posted: Tue May 8 11:10:58 1984
Date-Received: Fri, 11-May-84 00:12:36 EDT
Organization: Islenet Inc., Honolulu
Lines: 9

Has anyone actually "played" with the new Rana 8086/2 which turns the
Apple //e in an IBM PC clone? The 4/30/84 issue of Infoworld says that
for $1795 the Rana 8086/2 adds an 8086CPU, 2 360K drives (which can also
be used in the Apple mode), 256K RAM (expandable to 512K), and MSDOS/PCDOS
compatibility. I would like to have more information about this product
from someone actually using it.

Todd Ogasawara -- University of Hawaii -- Dept. of Psychology
          { dual,vortex,uhpgvax }!islenet!todd

From -5460550024122219584
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d03f22209d84b711,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-08 10:25:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxm.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!ihuxm!em
From: em@ihuxm.UUCP (Ed Moskowitz)
Newsgroups: net.micro.apple
Subject: Microsoft Basic for MAC query
Message-ID: <979@ihuxm.UUCP>
Date: Tue, 8-May-84 13:25:29 EDT
Article-I.D.: ihuxm.979
Posted: Tue May 8 13:25:29 1984
Date-Received: Wed, 9-May-84 02:34:08 EDT
Organization: AT&T Bell Labs, Naperville, IL
Lines: 5

Has anyone figured out how copy graphics from the clipboard
or scrapbook to either a variable or the output in Microsoft basic
on the MacIntosh?
                    Ed Moskowitz
                    ihuxm!em

From 1416403608764940512
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-08 16:30:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: $Revision: 1.6.2.13 $; site iuvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!iuvax!willc
From: willc@iuvax.UUCP

Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <1200002@iuvax.UUCP>
Date: Tue, 8-May-84 19:30:00 EDT
Article-I.D.: iuvax.1200002
Posted: Tue May 8 19:30:00 1984
Date-Received: Wed, 9-May-84 23:42:50 EDT
References: <1207@sdccs7.UUCP>
Lines: 22
Nf-ID: #R:sdccs7:-120700:iuvax:1200002:000:975
Nf-From: iuvax!willc   May 8 18:30:00 1984

I assume you're worried about the size of the parser, since any parsing technique suitable for mainframes ought to work also on micros if the program will fit.

If you have access to a parser generator such as yacc, use it and don't worry about what kind of parser it generates.

Yacc happens to generate an LALR(1) parser. A book on my shelf claims that an LALR(1) parser table for Algol 60 occupies less than 3000 bytes. I would guess that an LL(1) parser table would be about the same size.

A true recursive descent parser is just an LL(1) parser in which the parser table is encoded procedurally. I would expect table-driven LL(1) parsers to be more compact than recursive descent parsers.

If you don't have access to a parser generator, use table-driven LL(1) or recursive descent. Just be careful as you transform the grammar into LL(1) form. Consult a good textbook on compiler construction such as Aho & Ullman or Hunter.

William Clinger
...iuvax!willc

From 9184733587927153246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b2552d8240ba1eab,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-09 10:50:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site amd70.UUCP
Path: utzoo!watmath!clyde!amd70!phil
From: phil@amd70.UUCP (Phil Ngai)
Newsgroups: net.micro.apple
Subject: big macs
Message-ID: <4631@amd70.UUCP>
Date: Wed, 9-May-84 13:50:29 EDT
Article-I.D.: amd70.4631
Posted: Wed May 9 13:50:29 1984
Date-Received: Thu, 10-May-84 00:29:03 EDT
Organization: AMD, Santa Clara, CA

Lines: 9

So I know how to get the funny screwdriver and open up my Mac. And
yesterday I desoldered a 68 pin socket from a 6 layer PC board without
any damage. And I have a few 256K DRAMs.

If I plug them into a Mac, will it know about it or is there more to
it than that? Has anyone done this yet?

--
Phil Ngai (408) 749-5286 {ucbvax,decwrl,ihnp4,allegra,intelca}!amd70!phil

From -4937416924920112215
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,86e4653ea1fbb8bb,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,86e4653ea1fbb8bb,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,86e4653ea1fbb8bb,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-05-09 13:50:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wu1.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
cmcl2!rocky2!cubsvax!wu1!rf
From: rf@wu1.UUCP
Newsgroups: net.micro.pc,net.micro.apple,net.wanted
Subject: What's a good touch-typing tutor program for IBM-pc or Apple 2?
Message-ID: <293@wu1.UUCP>
Date: Wed, 9-May-84 16:50:47 EDT
Article-I.D.: wu1.293
Posted: Wed May 9 16:50:47 1984
Date-Received: Sat, 12-May-84 08:56:16 EDT
Organization: Western Union Telegraph, Mahwah, NJ
Lines: 7

If you know of a good touch-typing tutor program for the IBM-pc
or Apple 2, would you please tell me about it.

Uucp: decvax!philabs!wu1!rf   Randolph Fritz
Easylink: 62905318   Western Union Telegraph
Telco: 201-529-6238   90 McKee Dr.
       201-529-6221   Mahwah, NJ 07430

From 2221741131707470518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,58fcec40ab9ddee2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-09 15:45:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site csu-cs.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
cmcl2!seismo!hao!denelcor!csu-cs!turners
From: turners@csu-cs.UUCP
Newsgroups: net.micro.apple
Subject: Softcard modem program help.
Message-ID: <2552@csu-cs.UUCP>
Date: Wed, 9-May-84 18:45:15 EDT
Article-I.D.: csu-cs.2552
Posted: Wed May 9 18:45:15 1984
Date-Received: Sat, 12-May-84 12:23:18 EDT
Organization: Colo. St Univ, C.S. Dpt.
Lines: 6

I am trying to find file transfer software to work with a //e with a
softcard and Novation Apple Cat modem under CP/M.
I have Apmodem.asm version 2.0, but it doesn't support an Apple Cat.
Does anybody out there have an update that supports the Cat, or enough
information on the modem to let me take a wack at it myself.

From 3117397909027304660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1281b844ad6afb5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-10 15:45:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!
KJBSF%SLACVM.BITNET@Ucb-Vax.ARPA
From: KJBSF%SLACVM.BITNET@Ucb-Vax.ARPA
Newsgroups: net.micro.apple
Subject: BITNET mail follows
Message-ID: <639@sri-arpa.UUCP>
Date: Thu, 10-May-84 18:45:00 EDT
Article-I.D.: sri-arpa.639
Posted: Thu May 10 18:45:00 1984
Date-Received: Mon, 14-May-84 00:49:46 EDT
Lines: 8

Date: 10 May 1984, 14:43:40 PST
From: KJBSF   at SLACVM
To: INFO-APPLE at BRL.ARPA
Subject: Terminal Program

Does anyone know of a program I could use to connect to an IBM 3081 in
full-screen mode (through a Series/1)? This would be extremely useful,
as Line-by-line mode is impossible to work with.

From -5426108912236594419
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70c4863add02dd07,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-10 18:52:11 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!
avrunin@Nalcon.ARPA
From: avrunin@Nalcon.ARPA
Newsgroups: net.micro.apple
Subject: DVORAK keyboard for Apple //e
Message-ID: <640@sri-arpa.UUCP>
Date: Thu, 10-May-84 21:52:11 EDT
Article-I.D.: sri-arpa.640
Posted: Thu May 10 21:52:11 1984
Date-Received: Mon, 14-May-84 00:49:58 EDT
Lines: 10

From: Avrunin <avrunin@Nalcon.ARPA>

I have been told that by cutting one lead on the printed circuit and
addind a switch you can have DVORAK keyboard capability on the //e.

Does anyone have any information on this.

Thanks

Larry Avrunin

From 2848787887409426305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cf913497675b296d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 05:30:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!abnjh!ncoss
From: ncoss@abnjh.UUCP (Scott D. Allen)
Newsgroups: net.micro.apple
Subject: Where is MACTEP?
Message-ID: <596@abnjh.UUCP>
Date: Fri, 11-May-84 08:30:08 EDT
Article-I.D.: abnjh.596
Posted: Fri May 11 08:30:08 1984
Date-Received: Sat, 12-May-84 10:45:08 EDT
Organization: AT&T Information Systems
Lines: 19

[*]

Although I got a copy of the Tektronix 4014 emulator for the MAC, I missed the
copy of MACTEP (I've checked net.sources and it never got here). If this is in
public domain, could someone please re-post it? Or tell me where I can get it?

Thanks in advance.

Scotty

Scott Allen
ATT-IS
Orlando, Florida
..!abnjh!ncoss

From -3784431232925356131
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,90a675e0dcac2331,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 07:02:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!donegan@rice.ARPA
From: donegan@rice.ARPA
Newsgroups: net.micro.apple
Subject: Recognizing cards
Message-ID: <648@sri-arpa.UUCP>
Date: Fri, 11-May-84 10:02:08 EDT
Article-I.D.: sri-arpa.648
Posted: Fri May 11 10:02:08 1984
Date-Received: Mon, 14-May-84 00:53:18 EDT
Lines: 9

From: Mike Donegan <donegan@rice.ARPA>

ProDOS recognizes cards just like Pascal does. Each card has a signature
or should if it follows the standard. Of course, some cards don't and
the software doesn't necessarily know about it. One place to look for
the info is the BIOS/driver doc for Pascal which is available from IAC.
If you need more info or someone else doesn't provide more, let me know
and I'll dig out the actual document.
     mkd

From 2790580373405331709
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fe40208f4384d425,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 09:08:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdcrdcf!
hplabs!hp-pcd!hpfcla!hpfclk!wak
From: wak@hpfclk.UUCP
Newsgroups: net.micro.apple
Subject: Re: compilers for the 6502

Message-ID: <85600001@hpfclk.UUCP>
Date: Fri, 11-May-84 12:08:00 EDT
Article-I.D.: hpfclk.85600001
Posted: Fri May 11 12:08:00 1984
Date-Received: Mon, 28-May-84 05:47:02 EDT
References: <850@unm-cvax.UUCP>
Organization: Hewlett-Packard Fort Collins Systems Division - Fort Collins, CO
Lines: 6
Nf-ID: #R:unm-cvax:-85000:hpfclk:85600001:000:343
Nf-From: hpfclk!wak   May 22 11:08:00 1984

Manx C65 also uses a few locations in page 0 for register variables.
This works quite well for high usage loop variables and pointers.
If the range of a variable is known to be small, you can declare it char
and get very fast and small code. Of course, you can also warp your
programming style and make heavier use of globals.

From -2713090836747104221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3b66d3a46e39e09b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 10:53:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!rad@Mitre-
Bedford.ARPA
From: rad@Mitre-Bedford.ARPA
Newsgroups: net.micro.apple
Subject: micromodem ii & pascal
Message-ID: <649@sri-arpa.UUCP>
Date: Fri, 11-May-84 13:53:12 EDT
Article-I.D.: sri-arpa.649
Posted: Fri May 11 13:53:12 1984
Date-Received: Mon, 14-May-84 00:53:46 EDT
Lines: 12

Dave,
  If you're interested in accessing your mm from pascal, check
the back issues of Byte. (They put out an index in December 1982,
that would be the quickest way to find the article.) There was
an article done maybe in 1981-82 that contained an Apple-II Pascal
Unit that interfaced with the micromodem pretty cleanly. All
code was included in the article.

  This is in replay to your 3 May 84 message.

Dick Dramstad (rad@mitre-bedford)

From -8175392956129951982
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,46927f7fdf62b4c6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 13:27:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!
F.Ewing.Apollo@YALE-CS.YALE.ARPA
From: F.Ewing.Apollo@YALE-CS.YALE.ARPA
Newsgroups: net.micro.apple
Subject: The Apple //c's specs (long)
Message-ID: <651@sri-arpa.UUCP>
Date: Fri, 11-May-84 16:27:56 EDT
Article-I.D.: sri-arpa.651
Posted: Fri May 11 16:27:56 1984
Date-Received: Mon, 14-May-84 00:54:40 EDT
Lines: 116

In the new Softalk Magazine issue (May 84), some Apple //c specs are explained (although not into incredible depth and I would just like to round up some of the points that Margot Comstock Tommervik wrote about in her copyrighted article. Hopefully, this will reduce speculation on the workings and the layout of the machine itself to the net.

1. When I said earlier that the Apple service rep that I knew said that the 'c' in the name Apple //c meant 65C02 and not 'compact', that was his opinion, not mine. And since he works repairing them anyway, I mearly reported it to the net, although I belive that 'c' means 'compact' also. It seems that he was wrong as most publications (including Softalk) are saying that 'c' means 'compact' so I guess he was wrong. Sorry Ron.

2. Basic Specs. The Apple //c is a full Apple//e smashed into a size of about 11" x 12" x 2". It contains 128K, double-hires capability, eighty-columns, a full //e confiquration keyboard (although the keys are smaller and not full- stroke, but managable and much better than the PCjr) and upper and lower case standard (even accepted by Applesoft!!). It weighs about seven pounds which is about a third of the weight of the PCjr and has a built in handle for transportability. The rumor around Appleland is that whoever was in charge to design the //c went into Sears and found the smallest briefcase that he could find and proceeded to build the //c to fit inside of it.

3. I/O. Being as small as it is, the //c obviosly dooesn't have any slots, but it does have 2 serial ports (RS-232), an extended video port for RF-modulator, RGB or liquid crystal display, a composite video port for regular monitors, an external disk drive port, and a mouse/joystick port. Earlier, it was posted to this bboard that the old Disk][drives could not fit the new port for the //c and they wondered if a second drive has been developed. Well, there is a second drive and it is a half-height design that looks very nice beside the //c as they have both the same basic external design. Just above the keyboard are a couple of thin, apparently heat-sensitive buttons which

are a 80/40 column switch (pokes to the old soft-switches and PR#3 still work but this switch is for the user's sake) and a button marked "keyboard" which toggles the normal QWERTY set and the DVORAK standard. There are two lights on the right side above the keyboard, also thin which are for power and disk-in-use. The Reset Key has been moved to the left of the 80/40 column key in a slanted box shape. Presumably, it takes the same combination of Control-Reset to actually reset the machine. Although the alticle does not specify, I suspect that the two serial ports are logically in slots 1 and 2 as mosts if not all Apple users have their printer cards in slot 1 and their modem cards in slot 2. The mouse probably paralles some other slot that Apple has chosen to use (either slot 4 or slot 7, probably slot 7 for the eighty cloumn cards is logically in slot 3 and the old Apple Graphics tablet defaulted to slot 5. Maybe the mouse also needs the video signal (which is only available in slot 7 (PURE SPECULATION)). The disk drive controller is always in slot 6. I suspect that most users will not miss the absent slots as there will be two serial ports to use and the mouse option is there also, which means less cards to buy (another cost consideration and card compatibility lessens as a factor as software companies begin writing software to take full advantage of the //c (the serial ports shouldn't really have compatibilty problems anyway). The built-in disk drive is not a Sony 3.5 inch design like sopme people think (That would be a huge software compatability problem), but instead is a standard 5.25 inch half-height which fits in snugly into the design and has its opening on the right side of the machine.

4. Other ramblings. The //c does not have an internal power supply but instead an external one that weighs a pound and is about the size of a small brick. Not having an internal power supply makes the possibility of using the //c with a battery pack much more feasible and it (the power supply) costs about fourty bucks. No word on when a battery pack will be made or if it will be even made by Apple......The flat LCD screen that has been promised for September delivery weighs less than a pound and the carrying case that Apple sells for the //c already has a pocket for the monitor. It is standard LCD black and white flat screen and supports 80 x 40 clomns for text and 560 x 192 for double-hires graphics. It will work for everything although fast hires graphics will leave trails on screen. The only thing the article doesn't mention specifically is price although I've heard that it is somewhere in the $1200-1300 range ($1295?). That may make a $300 dollar C64 seem very inviting but when one adds its $600 disk drive and one takes into account the memory difference (which Commodore has been bombarding us with in its ad campaigns for some time about other machines--128K v. 64K), then the price doesn't seem too bad at all (although it could be a little less). Also, the disk drive PROM has been slightly changed so that if there is no disk in the drive upon boot or the drive door isn't closed, instead of spinning blinding into eternity, a message appears on the screen, "Check disk drive". And of course, the ProDOS operating system is standard.

5. For Apple purists. Apple is changing the way they make their

machines. The color of the //c is NOT the traditional beige found on all their previous models but instaed is oan off-white oyster color with a beige keyboard. Also, the old keys with white plain lettering on][s,][+s, and early //es is gone replaced by thin black italicized lettering. This is a change for the better from the new //e keyboard lettering which looks borrowed from the IBM PC (small black lettering in the key's upper left hand corner). However, I still like the old][+ keystyle. Oh well, progress I guess.

That about rounds it up. It still runs about ninety percent of the old][+ family software and just about all of the //e's software (that isn't protected by ROM checks, as there have been slight changes to a few rountines. Time will tell on how soon it blows the PCjr out of the market, but from indications of the PCjr's sales, it just might be doing that to itself already. Word is from the big blue that the PCjr will soon receive some improvements to memory (512K), a new keyboard, and other enhancements so I guess we can't count IBM out yet.

"Beam me up, Mr. Scott"

--Ricky--
EWING@YALE.ARPA soon leaving the net temporarily until school starts next semester.

From -7403574486386895113
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f0cce0115420d0c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 15:26:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!
David.Anderson@CMU-CS-G.ARPA
From: David.Anderson@CMU-CS-G.ARPA
Newsgroups: net.micro.apple
Subject: Apple //c & Sony drive
Message-ID: <652@sri-arpa.UUCP>
Date: Fri, 11-May-84 18:26:00 EDT
Article-I.D.: sri-arpa.652
Posted: Fri May 11 18:26:00 1984
Date-Received: Mon, 14-May-84 00:55:01 EDT
Lines: 8

Actually, the use of a 3.5 inch drive wouldn't have caused massive software problems -- it could have looked identical to the software. But there would have been considerable MEDIA incompatibility. I do wonder how much mileage Apple can get out of a 1 Mhz 8-bit processor and low density disk drives. Now, a 512K Mac with an 800K Sony drive in the //c box (and an LCD screen) would be more like it!

--david

From 8719470533944903387
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,29a6598be632e28f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 18:36:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!gwyn@Brl-Vld.ARPA
From: gwyn@Brl-Vld.ARPA
Newsgroups: net.micro.apple
Subject: more about ProDOS peripheral recognition
Message-ID: <653@sri-arpa.UUCP>
Date: Fri, 11-May-84 21:36:03 EDT
Article-I.D.: sri-arpa.653
Posted: Fri May 11 21:36:03 1984
Date-Received: Mon, 14-May-84 00:55:26 EDT
Lines: 9

From: Doug Gwyn (VLD/VMB) <gwyn@Brl-Vld.ARPA>

I wasn't entirely correct when I said that ProDOS doesn't care
what peripherals you have but that the STARTUP routine looks at
the signature bytes when you select the S[lots] option.

Actually, ProDOS does look for disk devices and a clock card.
It is things like serial line interfaces, printers, and mice
that it pays no particular attention to until the IN# or PR#.

From -4192217161800478439
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,46927f7fdf62b4c6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-11 19:02:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!sri-unix!gwyn@Brl-Vld.ARPA
From: gwyn@Brl-Vld.ARPA
Newsgroups: net.micro.apple
Subject: Re: The Apple //c's specs (long)
Message-ID: <654@sri-arpa.UUCP>
Date: Fri, 11-May-84 22:02:49 EDT
Article-I.D.: sri-arpa.654
Posted: Fri May 11 22:02:49 1984
Date-Received: Mon, 14-May-84 00:56:59 EDT
Lines: 18

From: Doug Gwyn (VLD/VMB) <gwyn@Brl-Vld.ARPA>

The latest issue of A+ also covers the Apple //c. Some additional
points beyond what you covered:
     - The power supply input is 12V with a wide tolerance,

making the automotive electrical system a good power source.
- The 80/40 col soft switches etc. are supposed to be improved over the //e, although there are indications that the same custom logic (MMU & I/O control) chips are used. I have to admit that the //e is tricky to use in 80-column mode.
- Since the Apple Mouse II likes to live in slot 4 (this is what the available software defaults to), that would be my guess also for the Apple //c mouse slot.

I have actually played with a //c for a while and the keyboard is satisfactory.

From -511968621220690919
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6974ad386518161,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-13 22:04:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Re: The Apple //c"s specs (long)
Message-ID: <416@ittral.UUCP>
Date: Mon, 14-May-84 01:04:58 EDT
Article-I.D.: ittral.416
Posted: Mon May 14 01:04:58 1984
Date-Received: Tue, 15-May-84 02:09:46 EDT
References: sri-arpa.654
Lines: 14

[]

The Apple //e is tricky to use in 80 column mode??? C'mon, gimmie a break!! For the majority of the software that I use, 80 column mode is the ONLY way to go. Apple Pascal boots up in 80 columns with no problems whatsoever. (Heck, I've never even seen Pascal in 40 columns!) Applewriter //e, Prodos, and MVP Forth all use the 80 column card without a hitch. The only time you will run into problems with 80 columns is when someone wrote their own character output routines and wrote them especially for the 40 column screen.

Sitting at my Apple//e, staring at the 80 column screen,

Doug Hall
ittvax!ittral!hall

From -7279753669667998497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,5a81711cfcbf4d7,start
X-Google-Attributes: gid15e263,public

X-Google-Thread: 1622d3,5a81711cfcbf4d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-14 00:30:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs7!ee163abs
From: ee163abs@sdccs7.UUCP (Ron Breger)
Newsgroups: net.micro.cpm,net.micro.apple
Subject: Hard Disk info requested
Message-ID: <1221@sdccs7.UUCP>
Date: Mon, 14-May-84 03:30:26 EDT
Article-I.D.: sdccs7.1221
Posted: Mon May 14 03:30:26 1984
Date-Received: Tue, 15-May-84 02:37:25 EDT
Organization: U.C. San Diego, Computer Center
Lines: 13

I have an Apple //e with running CP/M with the Appli-card. I am looking
into purchasing a hard disk (probably a 5 or 10 MB removable) but have
not found one that will run with Apple DOS , cp/m , and the p-system.

Has anyone had some experience with hard disks on an Apple or know of any
hard disks that will support these 3 operating systems. Please post
responses on the net or mail to me directly. I will post any info I
receive.

Thanks,

Ron Breger

From -5750298456119675685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,46927f7fdf62b4c6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-14 09:38:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1a 12/4/83; site rlgvax.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!seismo!rlgvax!geller
From: geller@rlgvax.UUCP (David Geller)
Newsgroups: net.micro.apple
Subject: Re: The Apple //c's specs (long)
Message-ID: <1922@rlgvax.UUCP>
Date: Mon, 14-May-84 12:38:24 EDT
Article-I.D.: rlgvax.1922
Posted: Mon May 14 12:38:24 1984
Date-Received: Wed, 16-May-84 03:21:20 EDT
References: <651@sri-arpa.UUCP>
Organization: CCI Office Systems Group, Reston, VA
Lines: 17

I forget exactly who said it and when but the person was quite
sure that the IBM PCjr would be extremely popular with two or

three years. He continued to say that the PCjr would be one of
the most popular computers of all time.

Idle speculation about who is going to blow who out of the water
is silly. Apple is doing well, as is Commodore, IBM, etc.

David P. Geller
Computer Consoles, Inc.
{seismo}!rlgvax!geller Office Systems Group
11490 Commerce Park Drive
Reston, VA 22091

703-648-3483
(...of course these are my OWN views!)

From 3144247762467387395
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-14 14:48:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!ulysses!mhuxl!houxm!hogpc!houti!
ariel!vax135!floyd!whuxle!spuxll!ech
From: ech@spuxll.UUCP
Newsgroups: net.micro.apple
Subject: Re: C compiler
Message-ID: <470@spuxll.UUCP>
Date: Mon, 14-May-84 17:48:46 EDT
Article-I.D.: spuxll.470
Posted: Mon May 14 17:48:46 1984
Date-Received: Wed, 16-May-84 07:22:31 EDT
References: <288@sjuvax.UUCP>
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 11

What possible reason would you have to USE an LL(k)-based parser generator?
(given that you can use yacc, that is.) Yacc is based on LALR(1), see
the paper by Aho and Johnson (Computing Surveys, 1974 -- happy 10th
anniversary!), and is far and away the easiest tool for HUMANS to use to
construct parsers; by contrast, LL(1) is much more restrictive, and
operator precedence is a REAL bear.

Sorry, didn't mean to come on so strong, there. IS there any good reason
to use any top-down method?

=Ned=

From -1379423767083879266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11aab4,b9a0fb2fbb269a94,start

X-Google-Attributes: gid11aab4,public
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-14 15:58:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!akgua!psuvax!burdvax!sjuvax!bbanerje
From: bbanerje@sjuvax.UUCP (B. Banerjee)
Newsgroups: net.micro.apple,net.lang
Subject: Re: LL(1) parser for an apple. (are you mad?!?)
Message-ID: <300@sjuvax.UUCP>
Date: Mon, 14-May-84 18:58:22 EDT
Article-I.D.: sjuvax.300
Posted: Mon May 14 18:58:22 1984
Date-Received: Wed, 16-May-84 03:54:35 EDT
References: <1207@sdccs7.UUCP>, <133@moscom.UUCP> <1219@sdccs7.UUCP>
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 92

This is a followup to two articles actually. As this discussion
is leaving the original topic (availability of a C compiler for
apple) and is going into issues which are of further interest to
net.lang only, I am cross posting this to that newsgroup. Anyone
following up on this should remove net.micro.apple from the list
of newsgroups.

The two articles in question are (partially) reproduced below...

>> In response to "why would anyone want to write a recursive descent
>> parser"
>> Okay, well gee, as i understand it, as told to me by the gentleman in
>> hawaii, the ll(1) parse tables are not easy to fill in.
>> I suppose you should ask Per Brinch Hansen or
>> Hoare, why they recommend recursive descent for
>> micro computers.
>>
>> It seems that the only feasible way to write a parser for
>> a MICRO-COMPUTER is to use recursive descent. This saves
>> the time that would be spent figuring out the parse tables
>> for ll(1). Also, there are a zillion states for even a moderate
>> sized language.
>>

Also ...

>> If you have access to a parser generator such as yacc, use it and don't
>> worry about what kind of parser it generates.
>>
>> Yacc happens to generate an LALR(1) parser. A book on my shelf claims
>> that an LALR(1) parser table for Algol 60 occupies less than 3000 bytes.
>> I would guess that an LL(1) parser table would be about the same size.
>>

>> A true recursive descent parser is just an LL(1) parser in which the
>> parser table is encoded procedurally. I would expect table-driven LL(1)
>> parsers to be more compact than recursive descent parsers.
>>
>> If you don't have access to a parser generator, use table-driven LL(1)
>> or recursive descent. Just be careful as you transform the grammar into
>> LL(1) form. Consult a good textbook on compiler construction such as
>> Aho & Ullman or Hunter.

Regarding the second article. LALR parsers are incredibly difficult
to write by hand. Try and write a table for the 5 line grammar in
Aho and Ullman. I don't have it handy, so I can't refer you to a page
number. However, it is in the section on writing LALR grammars
(what else).

Now, the first article was a followup to one of mine advocating
table driven LL(1) over recursive descent. The points raised (in
order) are -

1. Recursive descent is easier to write than table driven
    LL(1)

This is probably true. However LL(1) tables are by no means
difficult to write. An algorithm suitable for machine encoding
(very easily) can be found in the book by Rosencrantz, Lewis
& Stearns. It can be done by hand quite easily. Also, with
a little bit of effort, one can rewrite an LL(1) grammar as a
Q grammar (Non terminals directly derive either null, or a
right hand side that begins with a terminal). Finding the
selection sets for Q grammars is a relatively trivial operation.

2. Recursive descent is more "naturally" suited to micro-
    computers.

This, I don't buy. With a micro, you usually have memory
constraints. Recursive descent automatically requires use of
a higher level language supporting recursion. It also requires
that you add in the overhead for recursion. Table driven LL(1)
is likely to be *much* smaller. The driver for this is also
relatively simple, and could be written in assembler (far more
easily than that for a recursive descent parser). A further
advantage is that changes to the grammar only require changes to
the table. I submit that this is "better" (subjective) than
recoding as must be done with a recursive descent parser.

LL(1) parsers (in general) also have the "prefix property" of
catching an error as soon as it occurs, rather than at some
later stage. LALR parsers don't.

An ambiguous operator precedence grammar is probably better
for parsing expressions.

Regards,

--
                  Binayak Banerjee
         {allegra | astrovax | bpa | burdvax}!sjuvax!bbanerje
P.S.
     Send Flames, I love mail.

From 2176812834638828820
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,463640bcb5947d4d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-14 18:56:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!hao!hplabs!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Pascal for the Apple][
Message-ID: <262@intelca.UUCP>
Date: Mon, 14-May-84 21:56:00 EDT
Article-I.D.: intelca.262
Posted: Mon May 14 21:56:00 1984
Date-Received: Thu, 17-May-84 02:13:47 EDT
Organization: Intel, Santa Clara, Ca.
Lines: 15

Are there any *real* Pascal compilers for the Apple][(+,e)?

I know about: Apple Pascal: compiles to p-code
               Turbo Pascal: runs on Apple with CPM card

Is there any Pascal that compiles to true 6502 assembly code for the Apple?

Is there any Pascal for any other 6502-based machine that compiles to true 6502
assembly code?

Is there anything faster than Apple Pascal?

^ ^   Glen Shires, Intel, Santa Clara, Ca.
O O   Usenet: {ucbvax!amd70,pur-ee,hplabs}!intelca!glen
 >   ARPA: "amd70!intelca!cem"@UCB-VAX
\-/   --- stay mellow

From -3986344111665694581
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98703fb0912491f8,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,98703fb0912491f8,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,98703fb0912491f8,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-05-14 19:33:41 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdcrdcf!hplabs!tektronix!uw-beaver!uw-june!uw-vlsi!koo@uw-vlsi
From: koo%uw-vlsi@uw-vlsi
Newsgroups: net.micro,net.micro.apple,net.wanted
Subject: Koala Pad for Sale
Message-ID: <422@uw-vlsi.UUCP>
Date: Mon, 14-May-84 22:33:41 EDT
Article-I.D.: uw-vlsi.422
Posted: Mon May 14 22:33:41 1984
Date-Received: Mon, 21-May-84 04:54:18 EDT
Lines: 25
Xref: 1459 242 860

For Sale: Koala Pad touch tablet
==========
for the APPLE II, II+, IIe

Condition: mint condition (like new)
Price: $70 or best offer
Includes:
- everything you need to make it work
1. 1 Koala Pad
   - plugs into game port I/O
2. 1 Micro-Illustrator program disk
   - easy to use
   - can draw freehand, boxes, circles, erase, brush types, save, load, zoom, lines, rays, etc.
   - produces Hi-Res picture compatible with at least 1 other graphics editor (e.g. EZ-draw)
3. Micro-Illustrator User's Guide
4. Koala Pad Owner's Manual
5. Stylus Pen

Please contact: Frances Koo < koo@uw-vlsi>
5203 18th Ave NE,
Seattle, WA 98105.

Tel: (206)547-2686

From -2461236030344386661
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,70c4863add02dd07
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-15 05:51:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: DVORAK keyboard for Apple //e

Message-ID: <2065@brl-vgr.ARPA>
Date: Tue, 15-May-84 08:51:12 EDT
Article-I.D.: brl-vgr.2065
Posted: Tue May 15 08:51:12 1984
Date-Received: Wed, 16-May-84 03:36:57 EDT
References: <640@sri-arpa.UUCP>
Organization: Ballistics Research Lab
Lines: 3

I couldn't find anything in the Apple //e schematics to support
the idea that there is a Dvorak capability present. That does
not prove that it isn't there, though.

From -7916516402476317910
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6974ad386518161
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-15 05:55:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: The Apple //c"s specs (long)
Message-ID: <2066@brl-vgr.ARPA>
Date: Tue, 15-May-84 08:55:36 EDT
Article-I.D.: brl-vgr.2066
Posted: Tue May 15 08:55:36 1984
Date-Received: Wed, 16-May-84 03:37:16 EDT
References: sri-arpa.654, <416@ittral.UUCP>
Organization: Ballistics Research Lab
Lines: 7

You must never have tried to do anything interesting with peripherals
if you haven't had trouble with the Apple //e 80-column card. It has
several problems:
     PR#s where s is not 3 breaks its operation.
     The scrolling firmware is too slow for 1200baud modems.
     Wraparound garbages the first column.
There are other problems but these are indicative.

From -2866082323060435572
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,311f114f838caeda,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-15 17:06:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!ihnp4!fortune!rpw3
From: rpw3@fortune.UUCP
Newsgroups: net.micro.apple

Subject: Re: LL(1) parser for an apple. (are you - (nf)
Message-ID: <3320@fortune.UUCP>
Date: Tue, 15-May-84 20:06:57 EDT
Article-I.D.: fortune.3320
Posted: Tue May 15 20:06:57 1984
Date-Received: Wed, 16-May-84 04:51:36 EDT
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 32

#R:sdccs7:-121900:fortune:22000002:000:1080
fortune!rpw3   May 15 17:03:00 1984

It also happens to be the case that IF the grammar is LL(1) or even
reasonably close, a recursive-descent parser is:

1. Fast

2. Easy to write, understand, and maintain

3. Easy to embed semantics (and other misc. functions) at
   the right point

4. Capable of acceptable error-handling (assuming you want to
   detect erros, not "fix" them)

5. It mixes well with other parsing techniques which may want to
   be used in parts of the language that may not be strictly LL(1).

The BLISS family of languages/compilers all (to my knowledge) use
recursive-descent for declarations and control structures, and
operator-precedence for expressions. They are also some of the
best optimizing compilers ever built. (It's not a complete non-sequitor,
as the common sub-expression recognition was done during syntax analysis.)
See Wulf, et. al., "The Design of an Optimizing Compiler" (Addison-Wesley).

Rob Warnock

UUCP: {ihnp4,ucbvax!amd70,hpda,harpo,sri-unix,allegra}!fortune!rpw3
DDD: (415)595-8444
USPS: Fortune Systems Corp, 101 Twin Dolphin Drive, Redwood City, CA 94065

From 4561919334088803332
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,311f114f838caeda
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-15 20:04:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!fortune!rpw3
From: rpw3@fortune.UUCP
Newsgroups: net.micro.apple

Subject: Re: LL(1) parser for an apple. (are you - (nf)
Message-ID: <3321@fortune.UUCP>
Date: Tue, 15-May-84 23:04:00 EDT
Article-I.D.: fortune.3321
Posted: Tue May 15 23:04:00 1984
Date-Received: Wed, 16-May-84 07:44:50 EDT
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 33

#R:sdccs7:-121900:fortune:22000003:000:1135
fortune!rpw3   May 15 17:12:00 1984

It also happens to be the case that IF the grammar is LL(1) or even
reasonably close, a recursive-descent parser is:

1. Fast

2. Easy to write, understand, and maintain

3. Easy to embed semantics (and other misc. functions) at
   the right point

4. Capable of acceptable error-handling (assuming you want to
   detect errors, not "fix" them)

5. It mixes well with other parsing techniques which may want to
   be used in parts of the language that may not be strictly LL(1),
   or where other techniques may be more convenient.

The BLISS family of languages/compilers all (to my knowledge) use
recursive-descent for declarations and control structures, and
operator-precedence for expressions. They are also some of the
best optimizing compilers ever built. (It's not a complete non-sequitor,
as the common sub-expression recognition was done during syntax analysis.)
See Wulf, et. al., "The Design of an Optimizing Compiler" (Addison-Wesley).

Rob Warnock

UUCP: {ihnp4,ucbvax!amd70,hpda,harpo,sri-unix,allegra}!fortune!rpw3
DDD: (415)595-8444
USPS: Fortune Systems Corp, 101 Twin Dolphin Drive, Redwood City, CA 94065

From -7822233212083521095
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,966500c4e7868b87,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,966500c4e7868b87,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 10773f,966500c4e7868b87,start
X-Google-Attributes: gid10773f,public
X-Google-Thread: 129c11,966500c4e7868b87,start

X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,966500c4e7868b87,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-05-15 21:52:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs6!ix255
From: ix255@sdccs6.UUCP (ix255)
Newsgroups: sdnet.computing,net.micro,net.micro.apple,net.micro.cpm,net.wanted
Subject: Apple][+ for sale
Message-ID: <1467@sdccs6.UUCP>
Date: Wed, 16-May-84 00:52:21 EDT
Article-I.D.: sdccs6.1467
Posted: Wed May 16 00:52:21 1984
Date-Received: Sat, 12-May-84 09:39:51 EDT
Organization: U.C. San Diego, Computer Center
Lines: 31

I am trying to sell an Apple][+. I am trying to move up to the newer
32 bit micros. The system is being sold completely. (Software,
Hardware,manuals...total) The system consists of:

Apple][+	CPM PCPI Card 64k of its own memory
16k language card	Printer Interface card (Epson)
80 column card	Epson MX80 Graphtrax+ printer
micromodem][	(2) Quentin 40 track drives
Kraft Joystick	Surge protector

The following software is included:

UCSD Pascal II.1 Apple Pascal (w. several enhancements)
Turbo Pascal 1.0 for CPM (Super!)
Powertext Word Processor
Aztec C compiler for both CPM 80 and C65
muMath/muSimp Symbollic Processor (super for students of math and
physics can solve equations up to 37 variables in seconds)
Sensible Speller spell checking package
Wordstar, MBasic, JRT Pascal 3.0, Fortran 66, Cobol 74, Microsoft Cobol,
Microsoft Fortran, Basic Compiler for Applesoft, ProDos, Modem7, CLIP
Unix like command processor, Several games, and other DOS software.

I'm asking $2700 or best offer.

Contact   John Antypas   453-2841
       PO Box 7037
       La Jolla, Ca. 92037
       or use this mail... ..!sdccsu3!sdccs6!ix255

From -4046203001347577288
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-15 22:28:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!akgua!sdcsvax!sdccs7!ee163ahp
From: ee163ahp@sdccs7.UUCP (GALACTUS)
Newsgroups: net.micro.apple
Subject: LL(1) parser for an apple. (are you mad?!?)
Message-ID: <1219@sdccs7.UUCP>
Date: Wed, 16-May-84 01:28:45 EDT
Article-I.D.: sdccs7.1219
Posted: Wed May 16 01:28:45 1984
Date-Received: Sat, 12-May-84 09:38:34 EDT
References: <1207@sdccs7.UUCP>, <133@moscom.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 17

In response to "why would anyone want to write a recursive descent
parser"
Okay, well gee, as i understand it, as told to me by the gentleman in
hawaii, the ll(1) parse tables are not easy to fill in.
I suppose you should ask Per Brinch Hansen or
Hoare, why they recommend recursive descent for
micro computers.

It seems that the only feasible way to write a parser for
a MICRO-COMPUTER is to use recursive descent. This saves
the time that would be spent figuring out the parse tables
for ll(1). Also, there are a zillion states for even a moderate
sized language.

Nick.
.

From -7333957565290275158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1d6b0d4715b6603f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 04:07:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Fat Mac
Message-ID: <121@mhuxt.UUCP>
Date: Wed, 16-May-84 07:07:28 EDT
Article-I.D.: mhuxt.121
Posted: Wed May 16 07:07:28 1984
Date-Received: Thu, 17-May-84 02:20:53 EDT
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 34

<--->

The 5/14 issue of Electronics Engineering Times has an article reporting on future Apple Macs. The claim is that the next Mac (called "fat mac" in the article) will compete more directly with the IBM XT. The new machine would have the following:

- o either an internal hard disk or an upgraded interface port that would talk to an external unit at 5 MHz.
- o 512k RAM
- o double sided 3.5" Sony disks

The original Mac would be continued and would be upgradable to the expanded version through the swap of the digital board with its larger 256k RAMS and improved ports. They suggested $3k for the "fat mac" and $2k for the 128k version - no estimate on the price of the board swap. (the $3k is w/o hard disk)

The article goes on to mention that the first development language that will run on the Mac will be an assembler due out in July. It will access the entire toolbox and include a debugger - you will also need 2 Macs to use it. A subset that runs on a single Mac will also appear at that time. Stand alone versions of C and Pascal suitable for software development will be out around Dec.

So it looks like quite a wait for software development tools if one waits for Apple. Does anyone know about any other firms that will offer things like C compilers?

Steve Crandall
(ihnp4)!mhuxt!evans

From 4221134694984211176
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc9c7e999ad68a8d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 05:46:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: C Compiler for Mac
Message-ID: <246@mb2c.UUCP>
Date: Wed, 16-May-84 08:46:32 EDT
Article-I.D.: mb2c.246
Posted: Wed May 16 08:46:32 1984
Date-Received: Thu, 17-May-84 03:43:54 EDT
Lines: 7

The folks at Manx Software Systems (the authors of the AZTEC C Compilers)
swear on a stack of diskettes that they are close to completing their
C compiler for the Mac. I have had good luck with their compiler for the
Apple II (albeit slow to compile).

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-1653

From -5193103125885540897
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9d4ca313d0de8c6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 05:47:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2a.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!hou2a!raps
From: raps@hou2a.UUCP (R.SIMPRINI)
Newsgroups: net.micro.apple
Subject: WANT TO TRADE
Message-ID: <351@hou2a.UUCP>
Date: Wed, 16-May-84 08:47:19 EDT
Article-I.D.: hou2a.351
Posted: Wed May 16 08:47:19 1984
Date-Received: Thu, 17-May-84 03:46:53 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 13

I would like to trade a Casio MT-70 electronic musical keyboard
for one of the following Apple peripheral boards:

     (1) A/D - D/A board (Mountain Hardware or similar)
     (2) Decillionix DX-1 board
     (3) Mockingboard

Contact: Ron Simprini or send mail to !hou2a/ras/rje
      Holmdel, N.J.
      201-949-4902

From -2675569988024680156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9d4ca313d0de8c6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 05:59:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2a.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hou2a!raps
From: raps@hou2a.UUCP (R.SIMPRINI)
Newsgroups: net.micro.apple
Subject: WANT TO TRADE

Message-ID: <352@hou2a.UUCP>
Date: Wed, 16-May-84 08:59:19 EDT
Article-I.D.: hou2a.352
Posted: Wed May 16 08:59:19 1984
Date-Received: Thu, 17-May-84 03:46:27 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 13

I would like to trade a Casio MT-70 electronic musical keyboard
for one of the following Apple peripheral boards:

(1) A/D - D/A board (Mountain Hardware or similar)
(2) Decillionix DX-1 board
(3) Mockingboard

Contact: Ron Simprini or send mail to !hou2a/raps/rje
Holmdel, N.J.
201-949-4902

From 6636718266858149119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6acb16c528acd9b7
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 11aab4,b9a0fb2fbb269a94
X-Google-Attributes: gid11aab4,public
X-Google-ArrivalTime: 1984-05-16 06:20:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ncsu.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!mcnc!ncsu!mauney
From: mauney@ncsu.UUCP (Jon Mauney)
Newsgroups: net.micro.apple,net.lang
Subject: Re: correction to LL(1) parser discussion
Message-ID: <2589@ncsu.UUCP>
Date: Wed, 16-May-84 09:20:40 EDT
Article-I.D.: ncsu.2589
Posted: Wed May 16 09:20:40 1984
Date-Received: Thu, 17-May-84 04:18:35 EDT
References: <1207@sdccs7.UUCP>, <133@moscom.UUCP> <1219@sdccs7.UUCP>,
<300@sjuvax.UUCP>
Organization: N.C. State University, Raleigh
Lines: 24

In general, I agree with Binayak Banerjee's comments on parsing,
but I must correct one minor point, concerning as it does my
specialty: syntax errors (making and correcting them).

LL and LR parsers, including SLR and LALR, all have the prefix property:
the parser will halt when the string of symbols read does not form the
prefix of any sentence in the language. I.e., the parser will never
accept an erroneous symbol.

However, full-blown LR and LL parsers have another property not shared
by SLR, LALR, and Strong LL (the usual implementation) parsers: Immediate
Error Detection. An LR(1) parser will halt as soon as the offending token
appears in the lookahead; an LALR parser may make several reductions before
noticing the error, and the usual LL parser may pop several symbols off the
stack. Lack of immediate detection can restrict the choices in error
handling, but it is not the same as the lack of the prefix property.
(Precedence parsers, by the way, often lack the prefix property.)

Anyone genuinely interested in long lectures on syntax errors
is invited to correspond directly by mail.
--

Doctor   Jon Mauney,   mcnc!ncsu!mauney
__Mu__/   North Carolina State University

From -2124983889980961915
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9d4ca313d0de8c6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-05-16 06:37:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2a.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!hou2a!raps
From: raps@hou2a.UUCP (R.SIMPRINI)
Newsgroups: net.micro.apple
Subject: WANT TO TRADE
Message-ID: <355@hou2a.UUCP>
Date: Wed, 16-May-84 09:37:20 EDT
Article-I.D.: hou2a.355
Posted: Wed May 16 09:37:20 1984
Date-Received: Thu, 17-May-84 03:48:09 EDT
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 12

I would like to trade a Casio MT-70 electronic musical keyboard
for one of the following Apple peripheral boards:

     (1) A/D - D/A board (Mountain Hardware or similar)
     (2) Decillionix DX-1 board
     (3) Mockingboard

Contact: Ron Simprini or send mail to hou2a!raps
      Holmdel, N.J.
      201-949-4902

From 8174033581714073253
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,360760ff5396e323,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,360760ff5396e323,start

X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-03-31 18:28:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site bnl.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!philabs!sbcs!bnl!valenz
From: valenz@bnl.UUCP (Greg Valenzuela)
Newsgroups: net.micro.apple,net.wanted
Subject: Need partner/compiler design
Message-ID: <401@bnl.UUCP>
Date: Sat, 31-Mar-84 21:28:59 EST
Article-I.D.: bnl.401
Posted: Sat Mar 31 21:28:59 1984
Date-Received: Mon, 2-Apr-84 00:32:38 EST
Organization: SUNY at StonyBrook
Lines: 36

I am posting the following message for a friend who doesn't
have access to the net. He is looking for someone to help write
a FORTRAN compiler for a marketable software package.
Replies can be sent to me or to the USNAIL address:

ISAAC
P.O.Box 172
Coram,NY 11727

ISAAC (Interpreter for Scientific Applications and Associated Code)
is an exciting new interpreter, or more precisely "pseudo-machine",
which has been implemented on the Apple II plus computer. ISAAC
operates in a spirit much like the "p-machine" of UCSD Pascal but is
custom tailored for scientific computations and affords a great deal
of versatility in the handling of numeric data. ISAAC was designed
with an eye towards very precise floating point arithmetic and a
variety of useful data types, including variable length floating point
and integer data, complex numbers, multiply indexed arrays, etc.
ISAAC includes a supporting system: ISAAC D.O.S., file manager,
powerful text editor, ISAAC assembler, 6502 assembler, linker, and
many useful subroutines including lots of special functions,
integer factorization, and an on-line debugger. Because the major
emphasis of ISAAC is numeric computation it is exceptionally suited
for supporting "mathematical" languages such as FORTRAN. A FORTRAN
compiler which generates ISAAC code is in the planning stage and
ISAAC's author is seeking assistance (due to time problems) on this
phase of the project. The hope is to take, as partners, the
entire package to market by the end of this summer. Detailed
information is available upon request.

Greg Valenzuela

{harpo!decvax!linus,mcvax,seismo}!philabs \
USENET: !sbcs!bnl!valenz
allegra /
ARPANET: valenz@bnl

From -6969636309234060282
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a9bddfbe96990f3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-01 16:30:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ulysses!mhuxl!houxm!hogpc!
houti!ariel!vax135!cornell!uw-beaver!uw-june!rling
From: rling@uw-june.UUCP
Newsgroups: net.micro.apple
Subject: Alternate monitor for Macintosh ?
Message-ID: <1181@uw-june>
Date: Sun, 1-Apr-84 19:30:44 EST
Article-I.D.: uw-june.1181
Posted: Sun Apr 1 19:30:44 1984
Date-Received: Wed, 4-Apr-84 03:26:24 EST
Organization: U. Washington, Computer Sci
Lines: 14

[]

    Is there any way to use another TV monitor with the Mac ?
I am willing to go inside and do some hard-wiring but I need to
know where to tap into the video signal.

    If it were possible, what kind of TV monitor do I need
(resolution, scan rate) ?

    Any help would be greatly appreciated.

                                        Robert Ling.
         ...decvax!microsof!uw-beaver!uw-june!rling

From -7182194565650245404
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb7067e7216bb67e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 159752,eb7067e7216bb67e,start
X-Google-Attributes: gid159752,public
X-Google-ArrivalTime: 1984-04-03 12:13:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple,net.sources
Subject: Termcap wanted for Apple //e
Message-ID: <402@ittral.UUCP>
Date: Tue, 3-Apr-84 15:13:54 EST
Article-I.D.: ittral.402
Posted: Tue Apr 3 15:13:54 1984
Date-Received: Wed, 4-Apr-84 07:58:35 EST

Lines: 6

[]
     I'm looking for a termcap which will let me use vi with my Apple //e and the Hayes Smartcom I terminal program. Any info is appreciated.

Doug Hall
ittvax!ittral!hall

From -8812911012724815287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,33af8b3c4e6aa8a1,start
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,33af8b3c4e6aa8a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-03 14:13:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.lang.forth,net.micro.apple
Subject: Forth for the Apple: Summary
Message-ID: <403@ittral.UUCP>
Date: Tue, 3-Apr-84 17:13:33 EST
Article-I.D.: ittral.403
Posted: Tue Apr 3 17:13:33 1984
Date-Received: Wed, 4-Apr-84 08:00:07 EST
Lines: 23

[bugs generally start at one end and eat their way towzx$e@1'^%iuy]

     I recently posted a request for information on a good implementation of Forth for the Apple][and][e computers. The response was overwhelming; there are obviously more Forth users (or should I say programmers) out there than I imagined. Anyway, about 90% of the people who responded recommended the implementation from Micromotion. Nobody had anything bad to say about it. It seems that Micromotion has added a number of very nice extensions which make their Forth one of the best for the Apple. Nobody complained about the speed.
     About half of the people who responded use the Apple //e; the other half use the][+.
     Thanks to all who responded. Many people wrote requesting any info I received, and since the requests were numerous, I am posting this summary in lieu of individual replies.

Doug Hall
ITT Business & Consumer Communications
Raleigh, NC
ittvax!ittral!hall

From 7637601830341109541
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,70524ec36c40cf4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,70524ec36c40cf4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-03 14:23:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro,net.micro.apple
Subject: Mac Talk
Message-ID: <826@dciem.UUCP>
Date: Tue, 3-Apr-84 17:23:40 EST
Article-I.D.: dciem.826
Posted: Tue Apr 3 17:23:40 1984
Date-Received: Tue, 3-Apr-84 18:49:24 EST
Organization: D.C.I.E.M., Toronto, Canada
Lines: 15

I have had the luck to play with an early version of MacTalk, a phoneme
based sysnthesizer for the Macintosh. For a phoneme synthesizer, it
is very good, especially when you consider that the Mac contains no
hardware specialized for voice synthesis. That 4-voice waveform generator
does it all (no, I haven't made a Barbershop Quartet). The voice
quality is pretty reasonable, and there seems to be some concern for
co-articulation ("the apple" coded as DHAX AEPUL is considerably less
smooth than as DHAXAEPUL). Like any phoneme synthesizer, it burbles
at times, but less than most. Prosody control seems to be quite good, as well.

As someone else put it: "Magnificent Mac"
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From 6515406651139552937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5beb097a788762bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-03 17:48:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 6/7/83; site hao.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!seismo!hao!rew
From: rew@hao.UUCP (Russell K. Rew)
Newsgroups: net.micro.apple
Subject: Re: Mac talks to someone else...
Message-ID: <903@hao.UUCP>
Date: Tue, 3-Apr-84 20:48:51 EST
Article-I.D.: hao.903

Posted: Tue Apr 3 20:48:51 1984
Date-Received: Wed, 4-Apr-84 07:58:09 EST
References: <174@alberta.UUCP>
Organization: High Altitude Obs./NCAR, Boulder CO
Lines: 14

I recently saw a demonstration of Apple's Pascal, and it looks like it
may be worth waiting for. The debugger allows you to run a program whose
listing appears in one window (with a little finger moving rapidly to
point at the statement being executed), the dynamically changing values
of selected variables appear in a second window, and the program output
is in a third. To set breakpoints, you move tiny stop-sign icons next
to the statement in the listing window at which you would like to pause
to examine or change the state of the running program.
--

                                                    Russ Rew

   { hplabs | nbires | brl-bmd | seismo | menlo70 } !hao!rew

From -2103259289735386589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ec17217f54ab626,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ec17217f54ab626,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-03 19:03:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro,net.micro.apple
Subject: Macintosh terminal program in Basic posted
Message-ID: <828@dciem.UUCP>
Date: Tue, 3-Apr-84 22:03:25 EST
Article-I.D.: dciem.828
Posted: Tue Apr 3 22:03:25 1984
Date-Received: Tue, 3-Apr-84 23:44:46 EST
Organization: D.C.I.E.M., Toronto, Canada
Lines: 11

A Basic program for a simple terminal emulator with file uploading and
downloading has been posted to net.sources. It was taken (with permission)
from an item on INFO-MAC on the ARPANET.

One problem: After transferring an ASCII file to the Mac, I cannot find
any way of reading it or editing it. Does anyone know how to deal with
this problem?
--

Martin Taylor

{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -4151293393528829355
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ced10ef796c7fb84
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-04 16:12:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 (MC840302); site mcvax.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!philabs!mcvax!guido
From: guido@mcvax.UUCP (Guido van Rossum)
Newsgroups: net.micro.apple
Subject: Re: Programming the calculator on the Mac
Message-ID: <5767@mcvax.UUCP>
Date: Wed, 4-Apr-84 19:12:10 EST
Article-I.D.: mcvax.5767
Posted: Wed Apr 4 19:12:10 1984
Date-Received: Fri, 30-Mar-84 02:27:57 EST
References: <1398@aluxe.UUCP>
Organization: CWI, Amsterdam
Lines: 10

Seems the Mac newsgroup is finally getting off the air, albeit under the
disguise of net.micro.apple as yet.

The described trick (editing the equation in the notepad, then copying it
to the calculator using cut/paste) seems easy enough, even for me (who
has never seen a Mac).
One question remains: why can't the input to the calculator be edited
directly? Wouldn't this be even easier and much more straightforward?

     Guido van Rossum, CWI, Amsterdam   guido@mcvax

From -4028712254682332776
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ec17217f54ab626
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ec17217f54ab626
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-04 23:19:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-sally.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!ut-sally!canas
From: canas@ut-sally.UUCP (Daniel Canas)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Help with Turbo Pascal
Message-ID: <1755@ut-sally.UUCP>
Date: Thu, 5-Apr-84 02:19:29 EST
Article-I.D.: ut-sally.1755
Posted: Thu Apr 5 02:19:29 1984
Date-Received: Sat, 7-Apr-84 02:25:07 EST

References: <828@dciem.UUCP>
Organization: U. Texas CS Dept., Austin, Texas
Lines: 18

I am just starting to work with Turbo-Pascal. Maybe someone can help me with
several questions.

1. How can I direct output to the console to also go to the printer?

2. Is there a way to set the default drive (at start up time) to a drive
other than A:? That is not have to give the L command followed by b, but
let the system start up with B: as default or logged drive?

3. Also at start-up time is there a way to avoid given the Y for the explicit
message OVLY to be loaded. That is make it the default?

Thanks for any help

Daniel
--
Daniel Canas, Computer Sciences Dept. University of Texas at Austin,
{ihnp4,kpno,ut-ngp}!ut-sally!canas

From -4119204231997932729
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,6d74bf71afe10d54,start
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,6d74bf71afe10d54,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-05 14:29:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site randvax.ARPA
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!seismo!hao!hplabs!sdcrdcf!
randvax!clark
From: clark@randvax.ARPA (John Clark)
Newsgroups: net.micro.apple,net.lang.forth
Subject: FORTH for the Mac
Message-ID: <1760@randvax.ARPA>
Date: Thu, 5-Apr-84 17:29:33 EST
Article-I.D.: randvax.1760
Posted: Thu Apr 5 17:29:33 1984
Date-Received: Tue, 10-Apr-84 07:23:49 EST
Organization: Rand Corp., Santa Monica
Lines: 11

Has anyone had any actual experience with MacForth? I recently glanced at
a brochure for such a product, marketed by "Creative Technologies Inc." or
some such.

Given the present dearth of programming languages for the Mac, meaningful
replies are probably worth posting to appropriate newsgroup(s) on the net.
I suspect many present or potential Mac owners would be interested...

John Clark
clark@rand-unix
{decvax, vortex}!randvax!clark

From -7986268617896751585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4b439e2ed835d901,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-05 20:58:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ames-lm.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!ames-lm!al
From: al@ames-lm.UUCP (Al Globus)
Newsgroups: net.micro.apple
Subject: Mac file transfer
Message-ID: <201@ames-lm.UUCP>
Date: Thu, 5-Apr-84 23:58:39 EST
Article-I.D.: ames-lm.201
Posted: Thu Apr 5 23:58:39 1984
Date-Received: Sat, 7-Apr-84 05:58:32 EST
Organization: NASA-Ames Research Center, Mtn. View, CA
Lines: 8

I have a couple of questions about the Mac.

1. Do the terminal emulator programs allow file transfer to and from
the host?

2. What are the limitations on document size?

3. Can you make pictures larger than 8 1/2 by 11?

From -3055023474566027098
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a443cf8da4bb1033,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-05 21:55:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site bnl.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!philabs!sbcs!bnl!jmh
From: jmh@bnl.UUCP (Joel M. Heller)
Newsgroups: net.micro.apple
Subject: Macintosh News
Message-ID: <407@bnl.UUCP>
Date: Fri, 6-Apr-84 00:55:14 EST
Article-I.D.: bnl.407
Posted: Fri Apr 6 00:55:14 1984
Date-Received: Sun, 8-Apr-84 01:22:56 EST
Lines: 12

A) Do any Macintosh mailing lists, or newsgroups exist? If you
    are aware of any such Macintosh discussions, or public domain
    programs, please mail me.
B) I received MACTEP 1.3 and MACCOPY from The Source. If anyone would
    like a copy, I will send it to you, as soon as I type it in.

C) I would like to correspond with anyone who has purchased
    a Macintosh. Please drop me a note.

Thank you in advance...

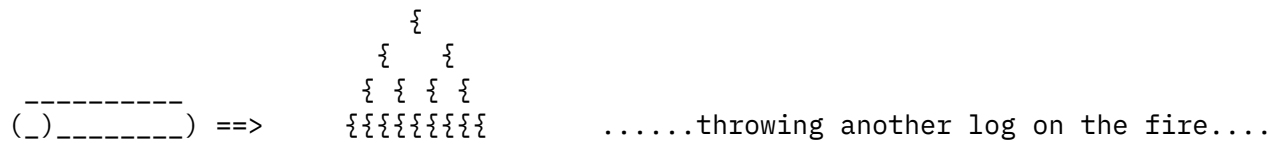
Joel M. Heller (jmh@bnl) or (!philabs!sbcs!bnl!jmh)

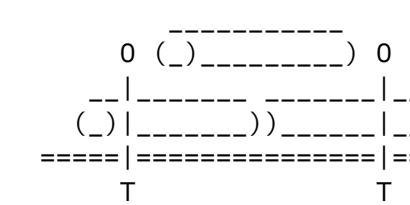
From -2747330126924431864
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb6edcc8e658be20,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15eac6,bb6edcc8e658be20,start
X-Google-Attributes: gid15eac6,public
X-Google-ArrivalTime: 1984-04-06 13:38:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site lzmi.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!pegasus!lzmi!rob
From: rob@lzmi.UUCP
Newsgroups: net.info-terms,net.micro.apple
Subject: need termcap entry for Apple Macintosh
Message-ID: <204@lzmi.UUCP>
Date: Fri, 6-Apr-84 16:38:37 EST
Article-I.D.: lzmi.204
Posted: Fri Apr 6 16:38:37 1984
Date-Received: Sun, 8-Apr-84 01:44:24 EST
Organization: AT&T Information Systems, Lincroft, NJ
Lines: 24

[This space available...]

Now that I have the BASIC program which was posted to net.sources
which lets my Mac behave like a terminal over the RS-232 port, I need
the appropriate termcap info so that I can use vi, etc.

I know that MacTerm, whenever it is available, will emulate VT100s and
VT52s, but that is sometime in the future and I want to use my Mac as
a terminal NOW!!!

Please respond via mail, and I will summarize and post the results.
If you don't know the answer, please don't ask me; I promise to post
whatever I receive within a week.
--




Rob Coben ...!hogpc!pegasus!lzmi!rob
AT&T IS LZ - 3B225

From -1091163372782031135
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,835d1719060e76cf,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,835d1719060e76cf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-07 15:27:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro,net.micro.apple
Subject: Macintosh compilation on host machine?
Message-ID: <837@dciem.UUCP>
Date: Sat, 7-Apr-84 18:27:42 EST
Article-I.D.: dciem.837
Posted: Sat Apr 7 18:27:42 1984
Date-Received: Sun, 8-Apr-84 02:10:25 EST
Organization: D.C.I.E.M., Toronto, Canada
Lines: 19

Has anyone considered (or done) compilation of code for the Mac in a
language on a UNIX host? C, Coneuc, Modula .... ? What problems
might be anticipated in doing this (assuming one had a proper binary
downline loader)?

Since Apple now seems to say that compilation for Macintosh on Macintosh
will not be possible until the half-meg Macs arrive, and I don't want
to have to buy a Lisa (the point of the Mac is price!), the best alternative
seems to be to use one of the nice languages available on UNIX.
I'm pretty sure that one can get the binary files into a Mac file, but
have no idea how to make them runnable, or how to link to the toolbox
routines. Presumably some of this information is in "Inside Macintosh",
but is there enough information there? I don't want to shell out US$150
if it won't provide the information.

--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -3371338083745572999
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f4443fdd65147d,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-10 09:22:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tekigm.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!zehntel!hplabs!tektronix!tekigm!
dennisw
From: dennisw@tekigm.UUCP (Dennis Ward)
Newsgroups: net.micro.apple
Subject: Re: Pascal 1.2 update
Message-ID: <71@tekigm.UUCP>
Date: Tue, 10-Apr-84 12:22:13 EST
Article-I.D.: tekigm.71
Posted: Tue Apr 10 12:22:13 1984
Date-Received: Fri, 13-Apr-84 06:08:47 EST
Organization: Tektronix, Beaverton OR
Lines: 7

I sent a letter to the address posted on the net awhile back asking why Apple, Inc. never informed anyone, why a different compnay seemed to be offering the update, and if this offer is genuine (before I send in my APPLE1: disk and a bunch of money).

I have yet to recieve a response. Has anyone?

Dennis Ward ...tekigm!dennisw

From -1178055357147176407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ccff5f25f2e7c36,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-10 09:59:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site eosp1.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ulysses!allegra!princeton!eosp1!elias
From: elias@eosp1.UUCP (Doug Elias)
Newsgroups: net.micro.apple
Subject: Data-input from a file?
Message-ID: <787@eosp1.UUCP>
Date: Tue, 10-Apr-84 12:59:16 EST
Article-I.D.: eosp1.787
Posted: Tue Apr 10 12:59:16 1984
Date-Received: Wed, 11-Apr-84 05:53:41 EST
Organization: Exxon Office Systems, Princeton, NJ
Lines: 8

*
...how would you go about "redirecting" data-input from a disk-file
instead of either the keyboard (IN#0) or an internal "DATA"-statement
in APPLESOFT-BASIC on a II+?

doug

<..!allegra!eosp1!elias>

From 974245875657961366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,6d74bf71afe10d54
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,6d74bf71afe10d54
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-10 16:00:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!decwrl!sun!wmb
From: wmb@sun.uucp (Mitch Bradley)
Newsgroups: net.micro.apple,net.lang.forth
Subject: Re: FORTH for the Mac
Message-ID: <826@sun.uucp>
Date: Tue, 10-Apr-84 19:00:49 EST
Article-I.D.: sun.826
Posted: Tue Apr 10 19:00:49 1984
Date-Received: Thu, 12-Apr-84 00:19:43 EST
References: <1760@randvax.ARPA>
Organization: Sun Microsystems, Inc.
Lines: 13

Actually, MacForth is from "Creative Solutions" instead of "Creative
Technologies". Creative Solutions is headed by Don Colburn, who is
very well respected in the FORTH community. His 68000 FORTH is called
MultiFORTH. It has been ported to a large number of 68000 machines in
the past few years, and is in use by an impressive group of large
companies. MultiFORTH is quite mature and well-supported.For these
reasons, I have every reason to believe that MacForth will be (is?)
an excellent product.

No, I have nothing to do with Creative Solutions myself.

Mitch Bradley
Sun Microsystems, Inc.

From -3123215484314500522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c41639f1f98d8fcd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-10 19:52:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site teldata.UUCP
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!teltone!teldata!mce
From: mce@teldata.UUCP (Brian McElhinney)
Newsgroups: net.micro.apple
Subject: Apple IIc -- A portable!
Message-ID: <301@teldata.UUCP>
Date: Tue, 10-Apr-84 22:52:05 EST

Article-I.D.: teldata.301
Posted: Tue Apr 10 22:52:05 1984
Date-Received: Thu, 12-Apr-84 05:25:45 EST
Organization: Teltone Corp., Kirkland, WA
Lines: 19

According to the New York Times, Apple will introduce a portable version
of the IIe on April 24th called the Apple IIc.

    $1295
    Briefcase size (no display)
    128Kb "internal memory"
    One floppy disk
    7 1/2 lbs excluding 5 lb battery pack
    Full size key board
    Optional mouse

Since the II series is based on the 6502 I wonder how the 128K is mapped.
I am intrigued by the mouse; are they planning a Lisa/Mac-like interface?

--

Brian McElhinney
Teltone Corp.
{ihnp4,decvax}!uw-beaver!teltone!teldata!mce

From 2271201142066532636
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f1e6e138199225fa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-11 05:46:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!floyd!whuxle!spuxll!abnjh!ncoss
From: ncoss@abnjh.UUCP (Scott D. Allen)
Newsgroups: net.micro.apple
Subject: Benchmarking Microsoft vs Macintosh BASIC
Message-ID: <532@abnjh.UUCP>
Date: Wed, 11-Apr-84 08:46:45 EST
Article-I.D.: abnjh.532
Posted: Wed Apr 11 08:46:45 1984
Date-Received: Fri, 13-Apr-84 06:09:13 EST
Organization: AT&T Information Systems
Lines: 32

[Into the bit bucket]

    The latest issue of BYTE magazine, April 1984, has a preview article
of Macintosh BASIC, which I assume is now called MacBASIC. The article was
very good in that it desrcibed the general operation of Macintosh BASIC. The
idea of a semi-compiled language is very interesting. Anyway, the author also
included some benchmark programs and times for this version of BASIC. I put

the same programs through MICROSOFT BASIC on the Mac and here are the results.

TEST	Macintosh BASIC (seconds)	Microsoft BASIC (seconds)
Empty GOSUBs	3.0	8.0
Empty FOR/NEXT loop	1.5	5.0
Midstring search	9.0	22.0
Real Division(by 3)	18.0	32.0
Integer Division(by 3)	3.0	xxx *
Eratosthenes Sieve	31.5 **	1 min. 45.0 sec **

All times for Microsoft BASIC were done using Mac's clock which only gives time in whole seconds.

* I could not find an equivalent function in Microsoft for Integer functions.

** Macintosh BASIC used short variables for the Sieve and found 1899 prime numbers in 8191 numbers. Using 2-byte integers (as Microsoft calls them), I could only DIM an array for a maximum of around 6500. That's the time presented. By using regular integers, I could only use around a 1000 element array.

From 1242481383793829193
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11beb3,6d74bf71afe10d54
X-Google-Attributes: gid11beb3,public
X-Google-Thread: 1622d3,6d74bf71afe10d54
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-11 13:18:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tesla.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!cornell!tesla!delph
From: delph@tesla.UUCP (Robert Del Favero)
Newsgroups: net.micro.apple,net.lang.forth
Subject: Re: FORTH for the Mac
Message-ID: <337@tesla.UUCP>
Date: Wed, 11-Apr-84 16:18:53 EST
Article-I.D.: tesla.337
Posted: Wed Apr 11 16:18:53 1984
Date-Received: Fri, 13-Apr-84 01:41:53 EST
References: <1760@randvax.ARPA>
Organization: Cornell Electrical Eng.
Lines: 12

According to the people selling MacForth at the West Coast Computer Faire (weekend around March 22), this is indeed the same 68000 Forth that has been on the market and well-thought-of for some time. They were selling a basic system for ~$150 which should have started shipping this week, and

a "developer's system" for substantially more that should ship in about
four to six weeks. I'm not sure of any more detail than that, but I could
dig up the info I got at the Faire or post their address if there is enough
interest.

Robert Del Favero Jr.
!cornell!tesla!delph

From 3710776958479093037
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c41639f1f98d8fcd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-12 06:55:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: Apple IIc -- A portable!
Message-ID: <249@pucc-i>
Date: Thu, 12-Apr-84 09:55:27 EST
Article-I.D.: pucc-i.249
Posted: Thu Apr 12 09:55:27 1984
Date-Received: Sat, 14-Apr-84 09:22:53 EST
References: <301@teldata.UUCP>
Organization: Purdue University Computing Center
Lines: 16

> Since the II series is based on the 6502 I wonder how the 128K is mapped.
> I am intrigued by the mouse; are they planning a Lisa/Mac-like interface?

I would presume the 128K on the Apple IIc will be mapped the same way as
the 128K on an Apple //e.

Apple has already announced a series of Lisa/Mac-like software for the entire
Apple II series. Some is available now and more is coming.

--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From 4036275371739310749
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c41639f1f98d8fcd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-12 13:22:20 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!floyd!harpo!seismo!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Apple IIc -- A portable!
Message-ID: <166@brl-vgr.ARPA>
Date: Thu, 12-Apr-84 16:22:20 EST
Article-I.D.: brl-vgr.166
Posted: Thu Apr 12 16:22:20 1984
Date-Received: Fri, 13-Apr-84 20:51:30 EST
References: <301@teldata.UUCP>
Organization: Ballistics Research Lab
Lines: 4

I would imagine that the Apple IIc 128K memory and mouse are the same as on
my Apple //e. The 128K is really two 64K memory pools, each bank-switched
the old Apple II+ way, with the 64K pool selected by soft switch. The mouse
is an Apple Mouse II ($125 including MousePaint software)

From -6631434592543532318
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,bb6edcc8e658be20
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,bb6edcc8e658be20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-12 16:35:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!watmath!clyde!akgua!psuvax!burdvax!sjuvax!bbanerje
From: bbanerje@sjuvax.UUCP (B. Banerjee)
Newsgroups: net.info-terms,net.micro.apple
Subject: Re: need termcap entry for Apple Macintosh
Message-ID: <255@sjuvax.UUCP>
Date: Thu, 12-Apr-84 19:35:43 EST
Article-I.D.: sjuvax.255
Posted: Thu Apr 12 19:35:43 1984
Date-Received: Sun, 15-Apr-84 05:45:59 EST
References: <204@lzmi.UUCP>
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 23

>> Now that I have the BASIC program which was posted to net.sources which
>> lets my Mac behave like a terminal over the RS-232 port, I need the
>> appropriate termcap info so that I can use vi, etc.

Ok, how about the following -

```
     su|dumb|un|unknown:\
          :am:bl=^G:co#80:cr=^M:do=^J:nl=^J:bs:li#24:eo:
```

Seriously, If you look at the code, it basically just grabs a

character at a time from the input and displays it. If you want
to modify it for cursor control and the like, you will have to
replace lines 3080 and 4060 with the BASIC equivalent of a switch
statement that can intercept the characters, decide if they are
control codes, and call the appropriate system routines. Don't
ask me to do it. I can't afford a MAC.

Regards,
--

Binayak Banerjee
{allegra | astrovax | bpa | burdvax}!sjuvax!bbanerje

From -7884213335979956167
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,afa1c619554452e4,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,afa1c619554452e4,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,afa1c619554452e4,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-04-13 13:19:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!ihnp4!ihuxn!jjsk
From: jjsk@ihuxn.UUCP (jim kent)
Newsgroups: net.micro,net.micro.cpm,net.micro.apple
Subject: ALS 3.0 cpm help
Message-ID: <621@ihuxn.UUCP>
Date: Fri, 13-Apr-84 16:19:18 EST
Article-I.D.: ihuxn.621
Posted: Fri Apr 13 16:19:18 1984
Date-Received: Sat, 14-Apr-84 09:28:28 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 11

< >
I am considering an ALS cpm plus board (6 Mhz, 3.0) for my Apple //e.
Can anyone give me information good or bad on any operational problems
encountered, i.e. ease of installation, tricks, compatibility with
application software currently running under 2.2 (Wordstar, Mailmerge,
dbase, etc.). Is this system a good choice? I also have a 128k pseudo
disk, is this compatible?

Thanks
Jim Kent
..ihp4!ihuxn!jjsk

From -2225127160336784316
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,df92e3c9a1bc9025,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-13 13:39:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!zeppo!wheps!aap
From: aap@wheps.UUCP (PARKER)
Newsgroups: net.micro.apple
Subject: Mouse for AppleII
Message-ID: <239@wheps.UUCP>
Date: Fri, 13-Apr-84 16:39:28 EST
Article-I.D.: wheps.239
Posted: Fri Apr 13 16:39:28 1984
Date-Received: Sun, 15-Apr-84 01:17:02 EST
Lines: 7

Yesterday I went to an Apple sponsored show at a local computer
store and saw the mouse for the AppleII/+/e. It is very nice,
works almost as well as on the Mac, even though the 6502 is not
nearly as powerful a cpu. The mousepaint software was very impressive,
with pull down menus and everything. I was able to use it simply
by looking at the icons and playing with the mouse. Cost is $175,
and to me looks like worth the price.

From 3194019386288886717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e311454cd5c65a0b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-13 13:52:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!zeppo!wheps!aap
From: aap@wheps.UUCP (PARKER)
Newsgroups: net.micro.apple
Subject: Pascal 1.2
Message-ID: <240@wheps.UUCP>
Date: Fri, 13-Apr-84 16:52:03 EST
Article-I.D.: wheps.240
Posted: Fri Apr 13 16:52:03 1984
Date-Received: Sun, 15-Apr-84 01:17:16 EST
Lines: 34

I got the new product announcment for Pascal 1.2 from a dealer
yesterday. New features include:
     support for IIe, including the additional 64K of ram
     about 40 bug fixes
     provision for ProFile support, which will allow putting
     the entire system on the hard disc.

Cost is $250, the same as Pascal 1.1. If you already have 1.1 and
want to upgrade, the cost is $75 if your Pascal is older than
December 1, 1983, and free otherwise. The upgrade offer expires on
September 1. You can get the upgrade by sending
     1. Name and address, including zip

          and
     2. Original APPLE1 disc
          and
     3. check for $75 if system is older than Dec. 1
        or sales slip if newer than Dec. 1
to
     Apple II Pascal Upgrade
     P.O. Box 306
     Half Moon Bay, Ca.
     94019

You will recieve
     new versions of all for system discs
     manual updates

All of this info is from an Apple new product announcement dated
3/15/84.

     Alan Parker
     AT&T Bell Laboratories
     Whippany, N.J.
     ..!harpo!zeppo!wheps!aap

From 2288565389236108757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7477b1a2ecee53df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-14 17:45:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: IIc, IIe, IIx, what next? Rumors and facts
Message-ID: <623@ihuxn.UUCP>
Date: Sat, 14-Apr-84 20:45:10 EST
Article-I.D.: ihuxn.623
Posted: Sat Apr 14 20:45:10 1984
Date-Received: Sun, 15-Apr-84 09:28:27 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 48

A friend of mine is friends with an educational software company that has a
pre-release Apple IIc. He told me the following things about it:

It measures about 1 foot by 1 foot
It has 1 built-in disk drive on the SIDE. (The Side? Is this sacreligious?)
128K built in RAM
Built-in paralell (sic) and serial interfaces (I take his word for it)
He wasn't aware of any expansion slots.

Hmm. Apple would not put 0 expansion slots in... Maybe he overlooked him.
(I mean 'them') Anyway- Computer&Software News claimed that they had seen
the machine and thought that it would "cannibalize the Apple //e's sales"

C&SN said that Apple originally priced the machine at $1300 made a last
minute change to $1550 to distinguish it more from the Apple //e. The //e
is allegedly going to drop in price. An executive at Apple told another
friend of mine last February that the //e would go for $750 sometime this
spring (I don't know what that would include) and C&SN said last week that
the //e would be available for "mass-marketing".

Also in the C&SN news article last week was a little section on how Apple
had removed a "location clause" from its dealer agreement. I think that
this deregulates the Apple Dealership a certain amount.

Rumors, Rumors, Rumors, about new Apple products. Meanwhile, I plug away
at my 1980 II+, which I am glad to say is being supported by Apple. Can you
expect the same from Atari, Commodore, or the others? And here is some
raw speculation: I think Woz is conjuring up an Apple //e board for the
II+ for next fall (80-column upper/lower case, 128K Ram?)

While I am at it, I might as well say that Apple was planning an Apple //x
(Yes, 'x') that would include

     1 Megabyte of Ram
     16 bit 6502c microprocessor

But the 6502c won't be available until late '85...

                    In search of new Apple-Ications---

--

Jonathan Dubman - care of:

          Mort Dubman   AT&T Bell Laboratories
          ihnp4!ihuxn!mort   Naperville, IL.

From -4897164795689470875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ceb2d3abafbf495f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-16 10:32:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site houxf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxf!dma
From: dma@houxf.UUCP (D.ANDERSON)
Newsgroups: net.micro.apple
Subject: Apple //e as UNIX terminal - questions
Message-ID: <697@houxf.UUCP>
Date: Mon, 16-Apr-84 13:32:10 EST

Article-I.D.: houxf.697
Posted: Mon Apr 16 13:32:10 1984
Date-Received: Tue, 17-Apr-84 07:30:47 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 34

I need some advice about using an Apple //e with UNIX. For the past year I've been using a //e (and AppleWriter II) for word processing at home and UNIX (HP 2624B, vi and mmx) at work. It's been frustrating at times dealing with the two editors and not being able to transfer files. I now have the opportunity to replace my 2624B at work with a //e.

In addition to the normal //e and terminal emulation modes I hope to be able to use the //e in two additional modes:

- as a UNIX terminal for vi, netnews, etc., but using the //e disks for file storage

- just like at home but using mmx as a post-processor with the XEROX printer, etc.

I've ordered a 128K //e with the new duo-disk drive and monitor. I have a leased 212A modem. I haven't chosen a printer yet. I'm using an Apple DMP with a Grappler at home and am happy with the combination. I'd like to get the //e mouse and MousePaint - it sounds nifty. I expect to continue using AppleWriter II (or maybe AppleWorks). Questions:

1. What terminal software packages should I be looking at?
2. What is the best serial interface to the modem?
3. What cable do I need to the 212A (which pins connected, tied together, etc.)
4. Can I do graphics with the Imagewriter and the //e?
5. Any other comments or recommendations?

Thanks,

Doug Anderson houxf!dma
AT&T Bell Laboratories

From -972021421901077141
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c2bdca5127e9fda0,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15e263,c2bdca5127e9fda0,start
X-Google-Attributes: gid15e263,public
X-Google-ArrivalTime: 1984-04-16 14:05:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihu1e.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihu1e!nowlin
From: nowlin@ihu1e.UUCP (Jerry Nowlin)

Newsgroups: net.micro.apple,net.micro.cpm
Subject: Apple CP/M questions
Message-ID: <223@ihu1e.UUCP>
Date: Mon, 16-Apr-84 17:05:31 EST
Article-I.D.: ihu1e.223
Posted: Mon Apr 16 17:05:31 1984
Date-Received: Tue, 17-Apr-84 08:26:23 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 47

I have a couple of questions and a comment on the AZTEC C compiler discussion that's been going on.

1) I have an Apple //e with a MicroSoft Softcard CP/M card in it. I thought I would just have to live with the frustration of having my screen cleared every time CP/M did a warm boot. Then I found out that not all CP/M systems clear their screen this way. Why does MicroSoft's? How would I go about changing it so that I just got a message saying "warm boot" like some systems I've heard of?

2) I use a terminal emulator called M.I.T.E. from Microft Labs. It works under CP/M and functions well except that I have to set a carriage return delay to keep from loosing characters from the beginning of lines at 300 or 1200 baud. I loose characters when a line has to wrap around (ie. > 80 characters) or whenever a Ctl-G is received in spite of the CR delay. The termcap for a soroc terminal works (TERM=soroc) for everything else but you can imagine what the screen looks like when I try to use vi. Microft says the Apple 80 column card is too slow. Is this a classic case of finger pointing? Does anybody have a suggestion to solve this problem? Is there a faster card somewhere? If so does anyone want to buy a used Apple Extended 80 Column Card?

3) I've been using the AZTEC C compiler for over a year now. I've transferred programs back and forth from home to work (work=VAX 11/780, 4.2bsd or PDP 11/70, V7) and only found one problem with the AZTEC library. There is no "isalpha" in it. Since both "islower" and "isupper" are present it's not really a problem. I'm very impressed with it's degree of UNIX compatibility.

One thing the others didn't mention about the AZTEC compiler was the fact that IO redirection (ie. '<' and '>') is built in to any programs compiled with it. This is a mixed blessing as far as I can tell. A little bitty program that just says "hello world" with a simple printf generates a relatively huge .com file. There has to be a way to get around this redirection code but I haven't figured it out. Does anyone else have a clue?

Sorry if I got a bit verbose. I'm hoping to get some helpful responses from this posting and I wanted to make sure all you wizards out there had enough information to help me.

--

Jerry Nowlin
(ihnp4!ihu1e!nowlin)

From 8632482901681831854
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc1fd80da7e66d4f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-17 00:13:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site proper.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!zehntel!hplabs!hpda!fortune!
amd70!dual!proper!ksj
From: ksj@proper.UUCP (Kent Johnson)
Newsgroups: net.micro.apple
Subject: Mac Certified Developer discounts
Message-ID: <1144@proper.UUCP>
Date: Tue, 17-Apr-84 03:13:49 EST
Article-I.D.: proper.1144
Posted: Tue Apr 17 03:13:49 1984
Date-Received: Thu, 19-Apr-84 03:14:06 EST
Organization: Proper UNIX, San Leandro, CA
Lines: 23

Apple has a Certified Developer program for Macintosh
and Lisa (and one for //e & ///) developers. There is no
charge for joining the program. Certified Developers are
elegible for substantial discounts on Macs and Lisas; for
example, a Macintosh w/ printer costs $1667; Lisas are
discounted about 30%. Delivery is quoted at 3-4 weeks.
Systems cannot be resold for one year and must be used to
develop products which will be resold for use on Apples;
there are some restrictions on the number of systems you can
order.
     For more information write to
          Software Industry Relations
          Apple Computer, Inc.
       20525 Mariani Ave. M/S 23AF
          Cupertino, CA 95014
          (408) 973-4667

         Kent Johnson
         Propr Unix
     {ucbvax,amd70,zehntel,unisoft}!dual!proper!ksj
P.S. Please excuse if this is a mess, I am trying to figure
out vi as I write this & it's actingVERYy strange.

From -9026094560895152287
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c2bdca5127e9fda0
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-04-17 09:55:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!uwvax!neves
From: neves@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: Re: Apple CP/M questions
Message-ID: <209@uwvax.ARPA>
Date: Tue, 17-Apr-84 12:55:07 EST
Article-I.D.: uwvax.209
Posted: Tue Apr 17 12:55:07 1984
Date-Received: Wed, 18-Apr-84 08:12:07 EST
References: <223@ihu1e.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 7

This has been touched on before .. but the Apple //e 80 column scroll is too slow for 1200 baud operation. Some terminal programs (like Ascii Express 4.2) get around the problem by writing their own screen code. With CP/M you have to rely on the ROM code I guess. One rumor I've heard is that Apple will be coming out with a new set of ROMs to significantly speed up screen scroll on the //e. Another thing you may want to do is to buy an 80 column card with hardware scroll capabilities and put it in slot 3.

From 4165957575808371836
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6b27b4aeeb3794f2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-17 14:00:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utecfa.UUCP
Path: utzoo!utcsrgv!utai!uthub!utecfa!shubat
From: shubat@utecfa.UUCP (3124)
Newsgroups: net.micro.apple
Subject: wanted SPICE output on Apple //
Message-ID: <139@utecfa.UUCP>
Date: Tue, 17-Apr-84 17:00:14 EST
Article-I.D.: utecfa.139
Posted: Tue Apr 17 17:00:14 1984
Date-Received: Tue, 17-Apr-84 20:33:16 EST
Organization: Engineering, University of Toronto
Lines: 19

I am presently using the SPICE program running on the vax.
I have access to the vax through a 300 baud modem, using an
Apple // computer at home.

I am interested in obtaining software, running on either the
vax/unix system or on the Apple, which will display the
SPICE output graphically on the Apple.

I would like to hear any comments on the availability, feasibility

existence (commercial or private) and any useful hints on this
topic from you.

    please reply by mail

                              Thanks in advance,

                                 Alex Shubat
                                 University of Toronto

From -3148171293956205603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,51c39e4d9b8d5fdb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-17 15:08:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houxe!drutx!druxy!timle
From: timle@druxy.UUCP
Newsgroups: net.micro.apple
Subject: Apple/Robotics info needed
Message-ID: <1095@druxy.UUCP>
Date: Tue, 17-Apr-84 18:08:47 EST
Article-I.D.: druxy.1095
Posted: Tue Apr 17 18:08:47 1984
Date-Received: Wed, 18-Apr-84 19:03:29 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 11

   Does anyone have any info they can lend me about using a software
package called "ASCII Express" with a Robotics password?
   I currently have a "Perisoft RS-232 interface in slot #2
of an Apple II+ and have set the ASCII Express options for using
the Hayes SmartModem as the protocols seem to be the same.
   My problem lies with the inability to dial out through the
Password Modem.

   Any help or advice would be appreciated.

                                Tim Deibert (mail druxy! timle)

From -7331179061078434771
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15308d,f5a8510e0af15b0e,start
X-Google-Attributes: gid15308d,public
X-Google-Thread: 15f443,f5a8510e0af15b0e,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,f5a8510e0af15b0e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-18 09:15:22 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxhh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxhh!kurt
From: kurt@pyuxhh.UUCP (K A Gluck)
Newsgroups: net.wanted,net.micro.apple,net.info.terms
Subject: Need termcap for apple IIe
Message-ID: <584@pyuxhh.UUCP>
Date: Wed, 18-Apr-84 12:15:22 EST
Article-I.D.: pyuxhh.584
Posted: Wed Apr 18 12:15:22 1984
Date-Received: Thu, 19-Apr-84 03:46:22 EST
Organization: Bell Communications Research, Piscataway N.J.
Lines: 5

I am looking for a termcap file for the apple IIe.

--
Kurt Gluck SPL 1c273a Bell Communications Research Inc 6 Corporate Place
     Piscataway NJ, 08854
      ihnp4!pyuxhh!kurt   (201)-561-7100 x2023

From -11812126826682408
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b03e90e206cecdec,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b03e90e206cecdec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-19 17:49:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harvard.UUCP
Path: utzoo!linus!vaxine!wjh12!harvard!brownell
From: brownell@harvard.UUCP (Dave Brownell)
Newsgroups: net.micro,net.micro.apple
Subject: SW licensing -- local networks
Message-ID: <229@harvard.UUCP>
Date: Thu, 19-Apr-84 20:49:12 EST
Article-I.D.: harvard.229
Posted: Thu Apr 19 20:49:12 1984
Date-Received: Fri, 20-Apr-84 04:28:23 EST
Organization: Sequoia Systems Inc., Marlborough Mass.
Lines: 21

... too many piracy flames in net.micro ...

How 'bout thinking the fun we'll be having in a few years?

With microprocessor prices going down, and more computers floating
round, the impetus seems to be towards putting lots of them together.

How about distibuted systems based on, say, the AppleBus? If a
company (school, ...) buys one copy of some program and puts it on
their 30 Mbyte file server connected to twenty MacIntoshes, what

should they pay? The fee for one home Mac is too low ... but probably
twenty times that is too high.

Developers could charge a rate dependant on the number of users,
or how much the software is used, but how would that be enforced?

Any takers? What would be fair?

Dave Brownell
{decvax!genrad, allegra!wjh12, ihnp4!harvard} !sequoia!brownell

From -1469229315067559508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ab98f355006382f4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ab98f355006382f4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-20 06:28:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!decwrl!rhea!dosadi!binder
From: binder@dosadi.DEC (Do not adjust your set...)
Newsgroups: net.micro,net.micro.apple
Subject: Suggestion re: Apple //e termcap
Message-ID: <7247@decwrl.UUCP>
Date: Fri, 20-Apr-84 09:28:21 EST
Article-I.D.: decwrl.7247
Posted: Fri Apr 20 09:28:21 1984
Date-Received: Sat, 21-Apr-84 02:22:22 EST
Organization: DEC Engineering Network
Lines: 18

Apologies for posting this to the net, but can't get thru to intended
recipient today...

To: decwrl!decvax!harpo!ulysses!gamma!pyuxww!pyuxhh!kurt
Subj: Apple //e termcap

Unless Apple have made major changes, the //e ought to look like a Soroc
IQ-120, just as the][+ does. Hope this is some help. I don't have the
termcap you need - if you find it, I'd very much like a copy also.

Thanks.

Cheers,

Dick Binder
decvax!decwrl!rhea!dosadi!binder

Posted Friday 20th April 1984, 09:28 Eastern time by DOSADI::BINDER

From -3361264454276805829
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11aab4,fbb923d59bb80346,start
X-Google-Attributes: gid11aab4,public
X-Google-Thread: 1622d3,fbb923d59bb80346,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,fbb923d59bb80346,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15f443,fbb923d59bb80346,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-04-20 10:58:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site pyuxhh.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!gamma!pyuxww!pyuxhh!kurt
From: kurt@pyuxhh.UUCP (K A Gluck)
Newsgroups: net.wanted,net.micro,net.micro.apple,net.lang
Subject: wanted info on apple c compilers
Message-ID: <591@pyuxhh.UUCP>
Date: Fri, 20-Apr-84 13:58:50 EST
Article-I.D.: pyuxhh.591
Posted: Fri Apr 20 13:58:50 1984
Date-Received: Sat, 21-Apr-84 01:50:55 EST
Organization: Bell Communications Research, Piscataway N.J.
Lines: 10

I are looking for information on C compilers for the apple][e
I have heard of ?astek? c but have no information or
idea how good/bad it is.

Please mail to me ihnp4!pyuxhh!kurt any info you have on c compilers
for the apple][e and I will post the results to the net.

--
Kurt Gluck SPL 1c273a Bell Communications Research Inc 6 Corporate Place
     Piscataway NJ, 08854
      ihnp4!pyuxhh!kurt   (201)-561-7100 x2023

From 2067613391403451734
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,36e95aed698d0b2b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-20 14:06:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: Neat Kinetic Line Program
Message-ID: <2737@rabbit.UUCP>
Date: Fri, 20-Apr-84 17:06:19 EST
Article-I.D.: rabbit.2737

Posted: Fri Apr 20 17:06:19 1984
Date-Received: Sat, 21-Apr-84 02:31:09 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 216

The following is a nice little assembly language program that demonstrates
the power of the subroutines built into Applesoft.

It wwas written with a SC 4.0 assembler. Any opcode starting with a '.'
is a pseudo-op built into the assembler. You'll have to consult your own
assembler manual to find the proper translations.

.BS = block storage. Set aside the number of bytes specified (.BS 16 will
set aside 16 bytes)
.HS = Hex string. The bytes following the op are to be stored as a hex table
.EQ = Equate set variable name to a location
.OR = Origin. Set begining of program.

The program: 'Linear1'

```
1000      .OR $0800
1010 X1        .EQ $04
1020 Y1        .EQ $05
1030 X2        .EQ $06
1040 Y2        .EQ $07
1050      .EQ $08
1060 TEMP .EQ $09
1070 EX1  .EQ $00
1080 EY1  .EQ $01
1090 EX2  .EQ $02
1100 EY2  .EQ $03
1110 HGR  .EQ $F3E2
1120 SETCOL    .EQ $F6F0
1130 HPLOT     .EQ $F457
1140 HLIN .EQ $F53A
1150 RANDOM    .EQ $EFAE
1160 *--------------------------
1170 BEGIN     JMP START1
1180 SHUFFLE.LIST
1190      LDA XTABL1
1200      STA EX1
1210      LDA YTABL1
1220      STA EY1
1230      LDA XTABL2
1240      STA EX2
1250      LDA YTABL2
1260      STA EY2
1270      LDX #$00
1280 .1        LDA XTABL1+1,X
1290      STA XTABL1,X
1300      LDA YTABL1+1,X
1310      STA YTABL1,X
1320      LDA XTABL2+1,X
```

```
1330      STA XTABL2,X
1340      LDA YTABL2+1,X
```
Oh, I forgot to mention. The program will generate a moving line pattern similar to that in the game QIX.

I disclaim any knowledge of bugs in the program.

Steve Hawley
<allegra,alice>!rabbit!sdh

```
1350      STA YTABL2,X
1360      INX
1370      CPX #$0F
1380      BNE .1
1390      LDA X1
1400      STA XTABL1+15
1410      LDA Y1
1420      STA YTABL1+15
1430      LDA X2
1440      STA XTABL2+15
1450      LDA Y2
1460      STA YTABL2+15
1470      RTS
1480 XTABL1   .BS 16
1490 YTABL1   .BS 16
1500 XTABL2   .BS 16
1510 YTABL2   .BS 16
1520 *---------------------------
1530 CHANGE.COORDS
1540      LDA D1
1550      BNE XMI1
1560      LDA X1
1570      CLC
1580      ADC #$07
1590      BCS A
1600      STA X1
1610      JMP YCNG1
1620 A        LDA D1
1630      EOR #$01
1640      STA D1
1650      JMP CHANGE.COORDS
1660 XMI1 LDA X1
1670      SEC
1680      SBC #$07
1690      BCC A
1700      STA X1
1710 YCNG1    LDA D2
1720      BNE YMI1
1730      LDA Y1
1740      CLC
1750      ADC #$05
1760      CMP #$BE
1770      BCS B
1780      STA Y1
```

```
1790      JMP CNG2
1800 B         LDA D2
1810      EOR #$01
1820      STA D2
1830      JMP YCNG1
1840 YMI1 LDA Y1
1850      SEC
1860      SBC #$05
1870      BCC B
1880      STA Y1
1890      JMP CHNG2
1900 CHNG2     LDA D2
1910           BNE XMI2
1920      LDA X2
1930      CLC
1940      ADC #$08
1950      BCS C
1960      STA X2
1970      JMP YCNG2
1980 C         LDA D3
1990      EOR #$01
2000      STA D3
2010      JMP CHNG2
2020 XMI2 LDA X2
2030      SEC
2040      SBC #$08
2050      BCC C
2060      STA X2
2070 YCNG2     LDA D4
2080      BNE YMI2
2090      LDA Y2
2100      CLC
2110      ADC #$06
2120      CMP #$BE
2130      BCS D
2140      STA Y2
2150      RTS
2160 D         LDA D4
2170      EOR #$01
2180      STA D4
2190      JMP YCNG2
2200 YMI2 LDA Y2
2210      SEC
2220      SBC #$06
2230      BCC D
2240      STA Y2
2250      RTS
2260 D1        .HS 00
2270 D2        .HS 00
2280 D3        .HS 00
2290 D4        .HS 00
2300 *-----------------------
2310 START1    JSR HGR
```

```
2320      BIT $C052
2330      BIT $C010
2340      JSR RANDOM
2350      LDA $CC
2360      STA X1
2370      LDA $CC
2380      STA X2
2390      JSR RANDOM
2400      LDA $CC
2410      AND #$7F
2420      STA Y2
2430      JSR RANDOM
2440      LDA $CC
2450      AND #$7F
2460      STA Y2
2470      LDA #$10
2480      STA TEMP
2490 .1       JSR CHANGE.COORDS
2500      JSR SHUFFLE.LIST
2510      DEC TEMP
2520      BNE .1
2530 .2       LDA #$00
2540      STA COLR
2550 .3       LDA #$04
2560      STA TEMP
2570 .4       JSR CHANGE.COORDS
2580      JSR SHUFFLE.LIST
2590      LDX #$00
2600      JSR SETCOL
2610      LDA EX1
2620      LDY #$00
2630      LDA EY1
2640      JSR HPLOT
2650      LDA EX2
2660      LDY EY2
2670      LDX #$00
2680      JSR HLIN
2690      LDY COLR
2700      LDA COLOR,Y
2710      TAX
2720      JSR SETCOL
2730      LDX X1
2740      LDY #$00
2750      LDA Y1
2760      JSR HPLOT
2770      LDA X2
2780      LDY Y2
2790      LDX #$00
2800      JSR HLIN
2810      LDA $C000
2820      BMI EXIT
2830      DEC TEMP
2850      INC COLR
```

```
2860      LDA COLR
2870      CMP #$06
2880      BNE .3
2890      JMP .2
2900 COLOR    .HS 020102070506
2910 EXIT BIT $C010
2920      BIT $C051
2930      RTS
2840      BNE .4
```

```
From 873257965425201477
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b03e90e206cecdec
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b03e90e206cecdec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-21 06:35:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.PCS 1/10/84; site hocsl.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!ihnp4!houxm!hogpc!pegasus!hocsl!
dmt
From: dmt@hocsl.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: SW licensing -- local networks
Message-ID: <116@hocsl.UUCP>
Date: Sat, 21-Apr-84 09:35:45 EST
Article-I.D.: hocsl.116
Posted: Sat Apr 21 09:35:45 1984
Date-Received: Sun, 22-Apr-84 09:27:46 EST
References: <229@harvard.UUCP>
Organization: AT&T Information Systems Labs, Holmdel NJ
Lines: 19

It is a fact that many successful software firms already have
faced the problem of multi-user software. Several of which I'm
aware have sliding scales, along the lines of:
     1 user        $x
     2-4 users $2x
     4-16 users    $3x
     16-100 users  $8x
etc. (Number are examples only -- I dont remember any company's
exact pricing.)
The need arises from time-sharing systems, but I don't see any
fundamental difference from the networked software example. The
big problem is counting "users".
In particular, how do you restrict users on the system who won't
want to use the application (therefore you don't want to count
them) so that they CAN'T use the application. This is a question
that the software vendors consider important, and
that will become more important as time passes.
                  Dave Tutelman
                  AT&T IS - Holmdel
```

From 7501511590128799348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,bec2d05649e103f6,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,bec2d05649e103f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-21 12:43:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!harpo!ihnp4!houxm!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro,net.micro.apple
Subject: MacTek posted to net.sources
Message-ID: <102@aluxe.UUCP>
Date: Sat, 21-Apr-84 15:43:10 EST
Article-I.D.: aluxe.102
Posted: Sat Apr 21 15:43:10 1984
Date-Received: Sun, 22-Apr-84 09:18:05 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 27

<>
I have submitted to net.sources a simple Tektronix 4010
terminal emulator for the Macintosh, call it MacTek.

The program DOES use the cross-hairs. It works on the tools I commonly
use, but I made no attempt to adapt it to all 4010/4014 plot-10
software. I stressed utility rather than completeness, as it runs
slow enough with Microsoft BASIC.

The Tektronix mode runs at about 300 baud, it XON/XOFF handshakes,
so you can use your 1200 baud modem. From what I here about
MacBasic, it could be rewritten to run at 1200 baud, with maybe even a
couple more features. And.. with a REAL language like 'C', well..
needless to say, I can hardly wait!

A scrolling ALPHA mode exists as well, as that mode is faster for
text work, and you don't have to clear the screen all the time.

Notice that the basic character I/O routines are from the MacTEP
program posted earlier.

Lonnie R. Abelbeck
AT&T Bell Laboratories
aluxe!lra

From 2494245758621851875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9e6c02845e04f586,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-23 19:43:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site spuxll.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hogpc!houti!ariel!vax135!floyd!
whuxle!spuxll!ech
From: ech@spuxll.UUCP
Newsgroups: net.micro.apple
Subject: MacTEP for Unix 5.0/V
Message-ID: <454@spuxll.UUCP>
Date: Mon, 23-Apr-84 22:43:14 EST
Article-I.D.: spuxll.454
Posted: Mon Apr 23 22:43:14 1984
Date-Received: Tue, 24-Apr-84 19:24:07 EST
Organization: AT&T Information Systems, South Plainfield NJ
Lines: 15

If you are using MacTEP on a UNIX 5.0 (UNIX V, all TM BTL, of course)
you can get much better 1200bd performance by replacing lines 4030-4080 with

if loc(1) <> 0 then print input$(loc(1),1);

This also requires that, once you get through a rather noisy login, you do

stty -parity -onlcr

to get the tty driver to behave appropriately. The Microsoft interpreter
is simply too slow to keep up at 1200 bd going a character at a time.

Good luck with your Mac...

=Ned=

From -6172673166620240958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a48143836feb2e1c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-26 02:36:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tekcae.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!hao!hplabs!tektronix!tekchips!
tekcae!mikem
From: mikem@tekcae.UUCP (Michael E. Meyer)
Newsgroups: net.micro.apple
Subject: Apple IIc
Message-ID: <66@tekcae.UUCP>
Date: Thu, 26-Apr-84 06:36:44 EDT
Article-I.D.: tekcae.66
Posted: Thu Apr 26 06:36:44 1984
Date-Received: Mon, 30-Apr-84 05:28:59 EDT
Organization: Tektronix, Beaverton OR
Lines: 22

<>
My two teen-aged sons have been coming home raving about the 'new'
Apple IIc. Can anyone tell me about it?

We are going to be in the market for a micro this summer and I was going to
get a Mac. The purpose is to allow my budding hackers to really get into
computers. I am beginning to question the Mac's ability to do this.

Does anyone have info on the Apple IIc? Does anyone have an Apple IIe
configuration for sale?

USMAIL: Michael E. Meyer USENET: {allegra, decvax, ihnp4, ucbvax}
     TEKTRONIX, Inc.   !tektronix!tekcae!mikem
     P.O. Box 500 MS 50/560 ARPA: tekcae!mikem.tek@CSNET-RELAY
     Beaverton, OR USA
     (503) 627-2628

From 9045059693882044697
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,699d3c27ee8fc4c2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-26 19:42:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-tgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!abc
From: abc@brl-tgr.ARPA (Brint Cooper)
Newsgroups: net.micro.apple
Subject: Disk Drives on IIe
Message-ID: <2763@brl-tgr.ARPA>
Date: Thu, 26-Apr-84 22:42:11 EST
Article-I.D.: brl-tgr.2763
Posted: Thu Apr 26 22:42:11 1984
Date-Received: Fri, 27-Apr-84 06:51:03 EST
Organization: Ballistics Research Lab
Lines: 15

Tonite I assembled a IIe with single Apple drive for
my wife's elementary school. Later someoe told me
NOT to apply the U-clamp to the cable AND the metal
tab (as shown in the Apple book) but only to the metal
tab. He said tha, when he assembled it as in the
instructions, he pinched the cable, shorting two wires
and "blowing a chip" on the drive PCC board.

Can anyone confirm or deny this? And quickly, if
possible.

Thanks,

Brint Cooper

(abc@brl-tgr.arpa)

From 5692164201287538925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4f2141a80fbfa245,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-27 05:52:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!decwrl!rhea!dosadi!binder
From: binder@dosadi.DEC (Do not adjust your set...)
Newsgroups: net.micro.apple
Subject: Response to request for Apple termcap
Message-ID: <7441@decwrl.UUCP>
Date: Fri, 27-Apr-84 08:52:30 EST
Article-I.D.: decwrl.7441
Posted: Fri Apr 27 08:52:30 1984
Date-Received: Sat, 28-Apr-84 09:36:00 EST
Organization: DEC Engineering Network
Lines: 25

The following termcap for Apple][/Soroc 120 was supplied by the two people
named underneath. Haven't yet tried it, but it LOOKS reasonable.

*****

```
MI|soroc|Soroc 120:\
     :cd=\EY:ce=\ET:cl=2\E*:ma=^K^P^R^L^L :\
     :kl=^H:ku=^K:kr=^L:kd=^J:tc=adm3a:
```

Bennett Todd
{decvax,ihnp4,akgua}!mcnc!ecsvax!bet

Henry Su
!decvax!mcnc!ncs!hs

*****

Thanks to both!

Cheers,

Dick Binder
decvax!decwrl!rhea!dosadi!binder

Posted Friday 27th April 1984, 08:52 Eastern time by DOSADI::BINDER

From -3074788552091454062
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,699d3c27ee8fc4c2
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-04-27 06:33:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site brl-vgr.ARPA
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!brl-tgr!brl-vgr!gwyn
From: gwyn@brl-vgr.ARPA (Doug Gwyn)
Newsgroups: net.micro.apple
Subject: Re: Disk Drives on IIe
Message-ID: <1060@brl-vgr.ARPA>
Date: Fri, 27-Apr-84 10:33:27 EDT
Article-I.D.: brl-vgr.1060
Posted: Fri Apr 27 10:33:27 1984
Date-Received: Wed, 2-May-84 04:27:50 EDT
References: <2763@brl-tgr.ARPA>
Organization: Ballistics Research Lab
Lines: 5

With sufficient care, no damage will result to the cable when clamped
according to directions. The change from the Apple II/II+ procedure
(metal tab only) results from more stringent FCC requirements. If you
don't care about meeting the requirements then any method of grounding
the shield will do.

From -1541378713990114917
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9730d5de1bf320ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-27 14:03:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!zehntel!varian!bob
From: bob@varian.UUCP
Newsgroups: net.micro.apple
Subject: Aztec C and the SSC card
Message-ID: <208@varian.UUCP>
Date: Fri, 27-Apr-84 18:03:25 EDT
Article-I.D.: varian.208
Posted: Fri Apr 27 18:03:25 1984
Date-Received: Sun, 29-Apr-84 07:44:15 EDT
Lines: 20

[]

> Has anybody written a driver for the Aztec C system for the
> Apple SSC. I'm interested in using it with a Hayes modem
> to talk to UNIX in place of Ascii-Express which I use now.
> It would be nice to be in the shell editing a file and then
> send it to UNIX without having to re-boot and start Ascii-
> Express every time. I also wish to retreive files from UNIX
> of course. A version of umodem that works with Aztec system
> would be very nice too.
>
> Secondly is anyone using the Pro-DOS version of Aztec ? How

does it perform and is it compatible with the previous versions ?
Is a directory translation program provided either with Aztec
or Pro-DOS ? What clock (if any) are you using ? How much does
the Pro-DOS version cost and do they have an upgrade price ?

Bob Palin zehntel!varian!bob   (415) 945-2278
Varian Instruments, 2400 Mitchell Drive, Walnut Creek, Ca 94598

From 6908843383892443944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a933ab550f7763a5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-29 03:07:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Disk Drives on IIe - (nf)
Message-ID: <1353@inmet.UUCP>
Date: Sun, 29-Apr-84 06:07:19 EDT
Article-I.D.: inmet.1353
Posted: Sun Apr 29 06:07:19 1984
Date-Received: Mon, 30-Apr-84 00:44:57 EDT
Lines: 14

#R:brl-tgr:-276300:inmet:17900021:000:701
inmet!muller   Apr 28 13:23:00 1984

***
The possibility does seem to exists, if you aren't careful. My dealer's
service shop warns about this. The problem is minimized if you are
careful to avoid overtightening the clamp and make VERY sure the cable
fits into the small space provided along the edge of the slot. It is VERY
easy to get the cable pinched because it is VERY hard to get it in correctly.
The tight quarters and short cable length don't help, so you must have the
patience to back off and try assembly over again if it doesn't look right.
Of course, if you already have it installed, and it isn't too tight, and it
doesn't look pinched or installed crooked, and it works, you are probably
safer just to leave it alone...

From 8471823150177336 82
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3ae2a84618e3ca1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-29 10:00:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!mcnc!ecsvax!hsplab
From: hsplab@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple II disk drives
Message-ID: <2399@ecsvax.UUCP>

Date: Sun, 29-Apr-84 13:00:19 EDT
Article-I.D.: ecsvax.2399
Posted: Sun Apr 29 13:00:19 1984
Date-Received: Mon, 30-Apr-84 05:14:46 EDT
Lines: 11

[]
The Apple II series drives seems to have alot of problems which lead to
blowing the driver chips on the disk controller. This includes the problem
of pinching the wires as well as, more commonly, a connector which is
improperly inserted (backwards, off by one row) or one which is partially
pulled off by tension on the cable. Perhaps the solution is to carefully
follow the Apple instructions for assembling the disk drives.

D. Chou
Univ of NC, Chapel Hill
       {akagua,decvax}!mcnc!ecsvax!hsplab

From -7800633067371711604
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc5923b557bb0551,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-04-29 22:31:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!hao!hplabs!sri-unix!knutsen
From: knutsen@sri-unix.UUCP
Newsgroups: net.micro.apple
Subject: Objections to ARPA gateway?
Message-ID: <496@sri-unix.UUCP>
Date: Mon, 30-Apr-84 01:31:57 EDT
Article-I.D.: sri-unix.496
Posted: Mon Apr 30 01:31:57 1984
Date-Received: Tue, 1-May-84 19:28:25 EDT
Lines: 11

     A gateway has been proposed between this newsgroup and the
corresponding ARPA mailing list. The result would be to increase traffic
a bit, and hopelfully divert some Apple traffic out of net.micro.

     To avoid excessive meta-discussion, how about if I ask for
objections to be mailed to me, and if I dont receive "a lot" of them
in a week, Ill install the gateway. Otherwise Ill re-open the issue
here.

Andrew Knutsen   {hplabs,menlo70,parallel}!sri-unix!knutsen

From 2781101435665168631
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ac9f39e7dc839770,start
X-Google-Attributes: gid1622d3,public

X-Google-Thread: 12da6b,ac9f39e7dc839770,start
X-Google-Attributes: gid12da6b,public
X-Google-ArrivalTime: 1984-04-30 07:32:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxh.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!inuxc!inuxh!cbhunt
From: cbhunt@inuxh.UUCP (Charles Hunt)
Newsgroups: net.lang.c,net.micro.apple
Subject: C support tools wanted
Message-ID: <289@inuxh.UUCP>
Date: Mon, 30-Apr-84 10:32:08 EDT
Article-I.D.: inuxh.289
Posted: Mon Apr 30 10:32:08 1984
Date-Received: Tue, 1-May-84 07:36:46 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 7

I have recently purchased an Apple][e and I am interested
in finding out what C language support tools are available.
All input is greatly appreciated.

Bryan Hunt
(317) 845-6223

From -8359414516993480171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,488c1f286c426af8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-18 11:09:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!tektronix!decvax!ittvax!
ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Mac Benchmarks
Message-ID: <388@ittral.UUCP>
Date: Sun, 18-Mar-84 14:09:58 EST
Article-I.D.: ittral.388
Posted: Sun Mar 18 14:09:58 1984
Date-Received: Tue, 20-Mar-84 00:46:35 EST
Lines: 21

[ask, and it shall be given]

I had a chance to try out MacPascal and MacBasic (a pre-pre-release version as far as I know) and I was very impressed. While the graphics were very nice, the thing that impressed me the most was the speed. A few simple benchmarks were run using MacPascal and compared favorably to the same programs run on a Sage IV. I realize that's not a totally fair test, since the Sage was running the p-system and MacPascal is interpreted (incrementally

compiled?) but it was still impressive. A few benchmarks using MacBasic ran approximately 3-5 times faster than the same programs on the IBM-PC and much faster than in Applesoft on my //e. One nice feature of MacBasic is that it doesn't require line numbers unless you are referencing a line with a goto statement. The MacPascal environment has a nice syntax checker and a sort of "pretty program" feature which will take care of indentions, etc.

My overall impression is that MacPascal and MacBasic are worth having (and waiting for.) I don't know when it will be available, how much it will cost, or any other details, and I don't know where the version I saw came from. None of the dealers around here have it, as far as I know.

Good things come to those who wait.

From -7010039426009733352
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,3e979f2f68d1a520
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,3e979f2f68d1a520
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-18 12:25:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Who needs another newsgroup?
Message-ID: <1044@druxy.UUCP>
Date: Sun, 18-Mar-84 15:25:56 EST
Article-I.D.: druxy.1044
Posted: Sun Mar 18 15:25:56 1984
Date-Received: Tue, 20-Mar-84 00:31:29 EST
References: <235@pucc-i>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 24

When groups like net.wobegon and net.suicide exist, it is hard to understand objections to a reasonable sub-group. Even if there are <10 articles a week, the split is useful. There is an extreme division between old Apples and Apple 32s. It is frustrating and time-wasting for those of either persuasion to have to wade through articles of the opposite persuasion. You can't always tell from the title which persuasion the article follows, and many people don't know or don't want to put "(for Macintosh)" in their title. Some of us can only afford to read news on weekends, or for a few minutes during the week. Any time saving division helps. For instance, I would like to read net.unix-wizards more often, but it seems to be 75% BSD related. I have little interest and no expertise with BSD, and would welcome two subgroups here.

I assert that if the Apple 32 line were produced by a new company, that a net.micro.whatever group would have been started immediately.

I also predict that traffic about the 32s will grow exponentially
as the Macintosh orders start coming in. Few people have their
Macs yet, because the factory has been gearing up.

Is it really that big of a deal to give birth to a new sub-group?

Ray Davis druxy!bees

From -4278496658465512103
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,709d7afff3dd9c46,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-19 03:40:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Mac Quickdraw
Message-ID: <1278@mhuxt.UUCP>
Date: Mon, 19-Mar-84 06:40:35 EST
Article-I.D.: mhuxt.1278
Posted: Mon Mar 19 06:40:35 1984
Date-Received: Tue, 20-Mar-84 00:31:07 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 6

Does anyone know where to get the "Quickdraw Programmer's Guide" referenced
in Microsoft's Macintosh Basic? (are you listening Apple or Microsoft?)

Steve Crandall
mhuxt!evans

From -1896525028333061597
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,696321eb1f81658b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-19 10:45:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Mac languages
Message-ID: <1281@mhuxt.UUCP>
Date: Mon, 19-Mar-84 13:45:57 EST
Article-I.D.: mhuxt.1281
Posted: Mon Mar 19 13:45:57 1984
Date-Received: Tue, 20-Mar-84 00:56:41 EST
Organization: AT&T Bell Laboratories, Murray Hill

Lines: 18

munch munch
Last week I called Apple about the availability of MacPascal and MacBasic and was told that they will be some time off ("around third quarter"). I also asked about the rumored C compiler and got two comments - "around Summer" and "we can't comment on the release date of a third party until the product is released." Rumors are that MicroSoft will do the C compiler - pretty logical as they have Mac experience and a 68000 C compiler for their Xenix. Does anyone have anything more solid on this?

More things to wonder about -- What is the status of the DS Sony drive for the Mac? It is now clear that a special version is required and it is also clear that Sony is selling many more drives than they can produce. Is it worth it to go with the external SS Mac drive now (it would be essential for any serious playing around), or to hold out for a DS drive?

Steve Crandall
mhuxt!evans

From 5615158750920971111
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3e470fd83f080e22
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,3e470fd83f080e22
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-03-19 12:35:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site seismo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rick
From: rick@seismo.UUCP (Rick Adams)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <722@seismo.UUCP>
Date: Mon, 19-Mar-84 15:35:20 EST
Article-I.D.: seismo.722
Posted: Mon Mar 19 15:35:20 1984
Date-Received: Tue, 20-Mar-84 02:05:35 EST
References: <1341@ut-sally.UUCP> <773@dciem.UUCP>
Organization: Center for Seismic Studies, Arlington, VA
Lines: 9

I believe that the traffic problem that they are worried
about with gatewaying INFO-MAC to Usenet is not the
volume TO Usenet, but the anticipated volume FROM Usenet
to the mailing list.

The volume of INFO-MAC is already huge. It seems to greatly
outnumber UNIX-WIZARDS, for example.

---rick

From -5476479124326572336
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1f6a658e2fab3196,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-20 07:10:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Re: Mac languages
Message-ID: <391@ittral.UUCP>
Date: Tue, 20-Mar-84 10:10:35 EST
Article-I.D.: ittral.391
Posted: Tue Mar 20 10:10:35 1984
Date-Received: Wed, 21-Mar-84 02:38:41 EST
References: mhuxt.1281
Lines: 15

[]

I don't know when Apple plans to release MacPascal or MacBasic, but I've
seen (and used) both of them in the form of a pre-pre-release(?) version.
Both languages are fast and have excellent user interfaces, assuming what
I saw was representative of the final product. A few rather crude
benchmarks indicated that MacBasic runs 3-5 times faster than the
interpreted BASIC on the IBM-PC. MacPascal seems to be interpreted,
(or perhaps incrementally compiled?) but runs quite fast also.

I think both languages are worth waiting for.

Doug Hall
ittvax!ittral!hall

From 4841760974311237760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,828af2a28b61a5d6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-20 08:45:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!mcnc!ecsvax!billb
From: billb@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Pro-DOS and non-Apple peripherals.
Message-ID: <2174@ecsvax.UUCP>
Date: Tue, 20-Mar-84 11:45:46 EST
Article-I.D.: ecsvax.2174
Posted: Tue Mar 20 11:45:46 1984
Date-Received: Wed, 21-Mar-84 03:16:13 EST
References: utcsrgv.3486

Lines: 12

Let me quote from the current issue of Apple Assembly Line, page 20, a short note written by Bob Stout, discussing ProDOS on a Franklin:

" The ProDOS boot routine checks to see if you are in a genuine Apple monitor ROM. However you can make it work.
Start the boot procedure; when meaningful action appears to have ceased, press the RESET switch. Get into the monitor and type 2647:EA EA and 2000G."

Good luck.

AAL, by the way, is available for $18/yr from S-C Software Corp., Box 280300, Dallas, TX 75228.

From 7777161315791631244
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,893b27e91ed1f9a1,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,893b27e91ed1f9a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-20 14:31:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site noscvax.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!dcdwest!sdcsvax!noscvax!sloane
From: sloane@noscvax.UUCP
Newsgroups: net.news.group,net.micro.apple
Subject: re: Lisa/MacIntosh news group
Message-ID: <361@noscvax.UUCP>
Date: Tue, 20-Mar-84 17:31:38 EST
Article-I.D.: noscvax.361
Posted: Tue Mar 20 17:31:38 1984
Date-Received: Wed, 21-Mar-84 08:28:22 EST
Organization: Naval Ocean Systems Center
Lines: 25

Once again I reiterate my plea for net.micro.lisa as the Lisa/MacIntosh newsgroup.

1. net.micro.68k is MUCH too wide

2. net.micro.apple is MUCH too irrelevant

3. net.micro.apple.68k is MUCH too misleading

4. net.micro.apple.[lisa,mac] is MUCH too constrictive

Come on! After a year or so of debate the machines are going to be obsolete! Naming the group net.micro.lisa (after "Lisa Technology" not the Lisa) puts the discussion in an area separate from the apple and 68k discussions and into an area where the REAL difference between these machines and all the

others is highlighted - I refer to their user interface and OS technology.

Gary K. Sloane
Naval Ocean Systems Center
Code 9122 Building 1 Room B205
San Diego, California 92152

MILNET: sloane@nosc
UUCP: ...{sdcsvax}!nosc-cc!sloane

From 2579574224154574899
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,696321eb1f81658b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-20 18:11:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Mac languages
Message-ID: <3572@utcsrgv.UUCP>
Date: Tue, 20-Mar-84 21:11:04 EST
Article-I.D.: utcsrgv.3572
Posted: Tue Mar 20 21:11:04 1984
Date-Received: Tue, 20-Mar-84 21:22:21 EST
References: <1281@mhuxt.UUCP>
Organization: CSRG, University of Toronto
Lines: 8

123 Skidoo
   I've seen Microsoft (?) MacIntosh BASIC on sale at a computer store
in Mobtreal (last weekend). It was listed at something like $200 CAN.
They also had multiplan. I guess the Mac software has arrived. Unfortunately,
they salesman told me they couldn't get any (enough) machines.
--

   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -1492852694674463481
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22972bcfa79de08e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-20 20:45:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!cca!ima!inmet!tower
From: tower@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Orphaned Response - (nf)
Message-ID: <1122@inmet.UUCP>
Date: Tue, 20-Mar-84 23:45:17 EST

Article-I.D.: inmet.1122
Posted: Tue Mar 20 23:45:17 1984
Date-Received: Thu, 22-Mar-84 00:36:28 EST
Lines: 13

#R:unc:-687300:inmet:17900009:177600:327
inmet!tower   Mar 19 23:06:00 1984

Please move this discussion of net.micro.lisa to:
        net.news.group
You would stand a much higher chance of getting another
group, as well as fa.info-mac

BTW, I would prefer net.micro.ap32
Apple is calling the Mac/Lisa2 family of computers the
Apple 32 Systems.

-len tower   harpo!inmet!tower   Cambridge, MA

From -1791393177803424356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,743f5bf5c3aae44d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-21 11:12:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site houxf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxf!dma
From: dma@houxf.UUCP (D.ANDERSON)
Newsgroups: net.micro.apple
Subject: Querry re 80 columns for Pascal on the //e
Message-ID: <671@houxf.UUCP>
Date: Wed, 21-Mar-84 14:12:20 EST
Article-I.D.: houxf.671
Posted: Wed Mar 21 14:12:20 1984
Date-Received: Thu, 22-Mar-84 01:05:59 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 8

I have a question about Pascal 1.1 on the //e.

On the Apple II+, Pascal 1.1 has a 40 column display. <CONTROL-A> is
used to look at the right-hand 80 columns. I'd like to know if a real
80 column display is available on the //e (with an 80 column board).

    Doug Anderson houxf!dma
    AT&T Bell Laboratories, Holmdel

From 356141753785289478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,696321eb1f81658b
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-03-21 12:18:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!floyd!harpo!seismo!uwvax!neves
From: neves@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: Apple Pascal 1.2, etc
Message-ID: <167@uwvax.ARPA>
Date: Wed, 21-Mar-84 15:18:45 EST
Article-I.D.: uwvax.167
Posted: Wed Mar 21 15:18:45 1984
Date-Received: Thu, 22-Mar-84 02:08:48 EST
References: <1281@mhuxt.UUCP> <3572@utcsrgv.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 145

The new version of Apple Pascal is out (version 1.2). Retail price is $250, update price (see below) is $75. If you have a II+ or IIe without extended 80 column card you get a bunch of bug fixes and ability to use the Profil hard disk. If you have a IIe with 80 column extended card 1.2 will use the auxiliary memory to allow you to run larger programs and edit larger files (edit 60 block files!). Once I get 1.2 I'm going to look into getting this "extended" version to run on other ramcards so that II+ people could get those benefits.

Have you ever looked at the intro disk for the IIe "Apple Presents...Apple" that takes you through the keyboard, etc, and does nifty animation? Well it turns out that it is all written in Pascal. From the directory listing and peek into System.Library it seems to be using a runtime version of Pascal and some homebrew graphics code (i.e. not turtlegraphics). Perhaps someone out there can look into it and find something interesting.
-dave

p.s. to get Pascal 1.2 send your APPLE1 disk plus $75 with name,addr, zip code to
Apple II Pascal Upgrade
P.O. Box 306
Half Moon Bay, CA, 94019

People who bought 1.1 after Dec. 1, 1983 get a free upgrade to 1.2. They s send a copy of their 1.1 sales slip.
You get 4 new disks plus a 1.2 update which describes the 1.2 additions and changes within 4-6 weeks.

;;; This is the directory of the "Apple Presents...Apple" //e disk.
Filer: G, S, N, L, R, C, T, D, Q [1.1]E
Dir listing of ? #5

NO.DEMO:
SYSTEM.APPLE 32 7-May-82 6 Data
SYSTEM.PASCAL 27 27-Apr-82 38 Data
SYSTEM.MISCINFO 1 14-Aug-80 65 Data
SYSTEM.CHARSET 2 18-Jun-82 66 Data

```
ARROW.FONT         2 19-May-82   68 Data
ARROWKEYS.IMG      1 11-May-82   70 Data
GNOME.IMG          3 11-May-82   71 Data
RABBIT.IMG         3 18-Jun-82   74 Data
KEY.PARTIAL       10  2-May-82   77 Data
INVERSE.PARTIAL    8 11-May-82   87 Data
BUTTERFLY.DATA     2 25-Jul-81   95 Data
TUNETEXT.TXT       2  1-Jul-82   97 Data
DOSTEXT.TXT        4  1-Jul-82   99 Data
GOOD.EATS.TXT      2  1-Jul-82  103 Data
CTRL2.TXT          2  2-Jul-82  105 Data
EARLYTEXT.TXT      2 14-Jun-82  107 Data
FRIEND1.TXT        4  1-Jul-82  109 Data
TYPE1TEXT.TXT      2 14-Jun-82  113 Data
MENU.TXT           1  1-Jul-82  115 Data
CAJOLE.TXT         1  1-Jul-82  116 Data
ESC.TXT            2 17-Jun-82  117 Data
CTRL.TXT           1 14-Jun-82  119 Data
CTRL1.TXT          2  1-Jul-82  120 Data
FRIEND2.TXT        4  1-Jul-82  122 Data
MAZE.TXT           2 14-Jun-82  126 Data
SHIFT.TXT          4  2-Jul-82  128 Data
ARROW.TXT          2  1-Jul-82  132 Data
ENDER.TXT          2  8-Jul-82  134 Data
SYSTEM.LIBRARY    47  2-Jul-82  136 Data
SKETCH.CODE       13 17-Jun-82  183 Code
SYSTEM.STARTUP    82  8-Jul-82  196 Code
COPYRIGHT.1982     1 14-Jun-82  278 Data
APPLE.COMPUTER     1 14-Jun-82  279 Data
33/33 files, 0 unused, 0 in largest
Filer: G, S, N, L, R, C, T, D, Q [1.1]

;;; System.Library on Apple //e intro disk.
XExecute what file? #5:LIBMAP
Library map utility  II.1 [a2]
enter library name: #5:SYSTEM.LIBRARY
list linker info table (Y/N)? Y
list referenced items (Y/N)? Y
map output file name: CONSOLE:

  LIBRARY MAP FOR #5:SYSTEM.LIBRARY

     Copyright 1982 Apple Computer, Inc.


Segment #28:
System version = 3.0, code type is P-Code (least sig. 1st)
CHAINSTU  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #22:
System version = 3.0, code type is 6502
```

```
APPLESTU  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #20:
System version = 3.0, code type is 6502
SHORTGRA  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #21:
System version = 3.0, code type is P-Code (least sig. 1st)
SHORTGRA  data segment

     ------------------------------------------------------------------------

Segment #29:
System version = 3.0, code type is 6502
ASMLIB    library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #26:
System version = 3.0, code type is P-Code (least sig. 1st)
INTROLIB  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #27:
System version = 3.0, code type is P-Code (least sig. 1st)
INTROLIB  data segment

     ------------------------------------------------------------------------

Segment #25:
System version = 3.0, code type is P-Code (least sig. 1st)
TYPE1UNI  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #23:
System version = 3.0, code type is P-Code (least sig. 1st)
TYPE2UNI  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------

Segment #24:
System version = 3.0, code type is P-Code (least sig. 1st)
TYPE3UNI  library unit (LINKED INTRINSIC)

     ------------------------------------------------------------------------
```

From 682305029868501333
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,893b27e91ed1f9a1
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,893b27e91ed1f9a1
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-21 13:29:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site qubix.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!decwrl!sun!qubix!msc
From: msc@qubix.UUCP (Mark Callow)
Newsgroups: net.news.group,net.micro.apple
Subject: re: Lisa/MacIntosh news group
Message-ID: <953@qubix.UUCP>
Date: Wed, 21-Mar-84 16:29:57 EST
Article-I.D.: qubix.953
Posted: Wed Mar 21 16:29:57 1984
Date-Received: Fri, 23-Mar-84 08:31:27 EST
References: <361@noscvax.UUCP>
Organization: Qubix Graphic Systems, Saratoga, CA
Lines: 10

I think lisa/macintosh discussions should go in net.works where
other similar products are currently discussed. Then, if there are
enough submissions to justify it we might consider creating
net.works.lisa.
--
From the Tardis of Mark Callow
msc@qubix.UUCP, decwrl!qubix!msc@Berkeley.ARPA
...{decvax,ucbvax,ihnp4}!decwrl!qubix!msc, ...{ittvax,amd70}!qubix!msc

From -4872153739391437967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f563e57b91dab36,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-21 21:52:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!mcnc!ecsvax!hsplab
From: hsplab@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: PASCAL on //e
Message-ID: <2183@ecsvax.UUCP>
Date: Thu, 22-Mar-84 00:52:18 EST
Article-I.D.: ecsvax.2183
Posted: Thu Mar 22 00:52:18 1984
Date-Received: Fri, 23-Mar-84 08:27:53 EST
Lines: 10

I have used the old II+ Pascal on IIe's with the 80 column board. The
system automatically comes up in 80 column mode. The only problem we
have encountered is that the up and down cursor controls do not work
These functions still require the use of the old control-L and control-P

keys as in the IIe. On the positive side, the upper/lower case keyboard
on the IIe is a real improvement.

D. Chou
University of NC, Chapel Hill
   !mcnc!ecsvax!hsplab

From -5258563080019781490
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f563e57b91dab36
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 04:02:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!dcdwest!sdcsvax!sdccs7!
ee163abs
From: ee163abs@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Re: PASCAL on //e
Message-ID: <1176@sdccs7.UUCP>
Date: Thu, 22-Mar-84 07:02:01 EST
Article-I.D.: sdccs7.1176
Posted: Thu Mar 22 07:02:01 1984
Date-Received: Fri, 23-Mar-84 21:09:09 EST
References: <2183@ecsvax.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 10

The way to get the cursors working on a //e is to Xecute the "setup" program
and tell it that the control chars that the //e uses for up and down.

Ron Breger

-

From -3686025175303642506
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f39f1f7fe56d49,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 07:22:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cadre.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!mcnc!idis!cadre!geb
From: geb@cadre.UUCP
Newsgroups: net.micro.apple
Subject: macstuff
Message-ID: <190@cadre.UUCP>

Date: Thu, 22-Mar-84 10:22:50 EST
Article-I.D.: cadre.190
Posted: Thu Mar 22 10:22:50 1984
Date-Received: Sun, 25-Mar-84 07:14:34 EST
Organization: Decision Systems Lab., Univ. of Pgh.
Lines: 28

Some of Apple's technical people gave a demonstration and talk at
CMU and we learned a few things that may be of interest.

1) Apple has published a three volume set of Macintosh technical
documentation for software developers. It is being distributed
by a third party publisher who is being swamped by requests at
the rate of 150/day. The 3 vols are $150. Looking through the
three volumes, they document the ROM routines very well. These
allow the applications programmer to manage menus, windows,
graphics, etc. by rom calls which make his programming job
easier and assures that the user interface to his program will
look the same as all the other software for the mac. Of course
he doesn't have to use these calls, but anyone would be a fool
not to if he plans to market his software.

2) Apple is working on a K & R standard C (no UNIX, however) for
the LISA and one for the MAC that the person did not know for sure
whether would be K & R standard. The Mac version might be ready
in late 1984. He felt that Apple was evolving into C as the
systems language, whereas before it has been UCSD Pascal.

3) Microsoft has a VAX C compiler that compiles code for the MAC.

4) Sony has not yet successfully produced a double sided 3 inch drive.
Samples are expected this fall.

5) Tecmar has a hard drive that interfaces through the floppy port.

From -2458958682532887944
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f563e57b91dab36
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 11:36:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Re: PASCAL on //e
Message-ID: <394@ittral.UUCP>
Date: Thu, 22-Mar-84 14:36:23 EST
Article-I.D.: ittral.394
Posted: Thu Mar 22 14:36:23 1984
Date-Received: Fri, 23-Mar-84 21:18:27 EST
References: ecsvax.2183
Lines: 10

[]

The up and down arrow keys on the Apple //e *can* be used in Pascal. It requires changes to the SYSTEM.MISCINFO file on the startup disk. See the Operating System Ref. Manual for details; it only takes a few a few minutes. There are other changes you can make as well, and they make the Apple Pascal language system much nicer to use.

Doug Hall
ittvax!ittral!hall

From 6016789312482587221
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,28d48b687b541772,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 18:10:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: Of Mice and Apples
Message-ID: <587@ihuxn.UUCP>
Date: Thu, 22-Mar-84 21:10:17 EST
Article-I.D.: ihuxn.587
Posted: Thu Mar 22 21:10:17 1984
Date-Received: Fri, 23-Mar-84 21:34:34 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 43

I just saw the mouse for the Apple II+/IIe and was very impressed. It is essentially the same mouse as the Macintosh's, with a cable running into the mouse card which was installed in slot 4. The mouse card is supposed to have some ROMs on it that can be "easily" called to determine the position and status of the mouse.

Along with the mouse package comes a great graphics program by Bill Budge (of Pinball Construction Set fame) called MouseDraw (or is it MousePaint?) which really mimics the great Macintosh drawing program. It has icons, small pictures for menu choices, and it works in COLOR. It has about five nice character sets (unfortunately, not Old English) and is incredibly fast. It also has the "pull-down menu" system like the Mac which prints sub-menus when selecting main functions. It is also extremely easy to use - I figured out about 90% of the functions just by looking at the pictures and experimenting.

I asked the dealer about support for the mouse, and he CLAIMED that Apple was going to come out with 40 programs that support it. I asked him "Four zero?" and he confirmed that I did not misunderstand. Regardless of the number of

supporting programs, I was very glad to see that Apple was backing up its 1,500,000+ Apple II/II+/IIe with new products. (i.e. Mouse, Duo-Drive, ProDos, Profile for Apple II, new software, etc.) and that the II family is going to remain viable. Apple is supposedly going to announce its portable IIe in may. (IIp?) I wonder how many peripheral slots it will have... when I get a mouse I will have 5 filled up.

I also got a peek at ProDos, which was fast and had nice file structuring. I wonder if it will work with 8 inch drives and Corvus type hard-disks that are non-Apple. I commend Apple for making ProDos not work on fake, copycat Apples such as the Franklin that act as parasites on Apple's one-of-a-kind ingenuity. Yes - it will work if you change three bytes to NOPs, but it is the thought that counts.

In search of New Apple-ications.......

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From 7871553737443365503
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a63cc8456b5edb30,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 21:02:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!cca!ima!inmet!tower
From: tower@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Re: Mac languages - (nf)
Message-ID: <1139@inmet.UUCP>
Date: Fri, 23-Mar-84 00:02:26 EST
Article-I.D.: inmet.1139
Posted: Fri Mar 23 00:02:26 1984
Date-Received: Sun, 25-Mar-84 08:25:26 EST
Lines: 9

#R:ittral:-39100:inmet:17900012:000:262
inmet!tower Mar 21 17:37:00 1984

Re: MacLanguages
The article in the Feb. 84 Byte, said that both MacBasic and MacPascal were "interpreted". The availability claimed was 2Q 1984, with LOGO and an Assembler/Debugger to follow in 3Q 1984.

-len tower harpo!inmet!tower Cambridge, MA

From -2296827410628085165

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,44936ac851cf4e03,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 21:04:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Arrays into PASCAL Units? - (nf)
Message-ID: <1140@inmet.UUCP>
Date: Fri, 23-Mar-84 00:04:19 EST
Article-I.D.: inmet.1140
Posted: Fri Mar 23 00:04:19 1984
Date-Received: Sun, 25-Mar-84 08:24:51 EST
Lines: 24

#N:inmet:17900013:000:1424
inmet!muller   Mar 22 00:50:00 1984

Question: How does one write a procedure to be included in a Units
library in Apple PASCAL to which you can pass a variable array (by
reference) such that the subscript range does not need to determined
when the procedure is written (i.e., variable dimensioning)? If you
list the procedure with its parameters in the Interfaces section of the
unit, and you give a TYPE (presumably defined in the as yet unwritten
calling program) as the identifier of the array, in order to make sure
the types agree between the calling program and the porcedure in the unit,
the compiler doesn't like it. If you then define the TYPE of that array
before the procedure declaration, you don't have variable sizing, since
you then have to declare the sizing variables, and the type statement has
to go before the var statement.
  In a related question, can you declare variables local to a single
procedure in a Unit by placing them in the procedure block rather than in
the Interface section? (Variable parameters are declared in the Interface
section, and not in the subsequent procedure definition.)
  Finally, in another related question, by what criterion does Apple
PASCAL think that two arrays are of the same type? Same element type and
same subscript range? or must they be declared to be the same type? and
if so then how does one pass a type to a Unit?
    Thanx,   Jim Muller   harpo!inmet!muller or ima!inmet!muller

From -4850627390938522522
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f563e57b91dab36
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-22 22:13:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!harpo!eagle!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!
Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple

Subject: Re: PASCAL on //e
Message-ID: <239@pucc-i>
Date: Fri, 23-Mar-84 01:13:39 EST
Article-I.D.: pucc-i.239
Posted: Fri Mar 23 01:13:39 1984
Date-Received: Sun, 25-Mar-84 07:28:34 EST
References: <2183@ecsvax.UUCP>
Organization: Purdue University Computing Center
Lines: 50

> I have used the old II+ Pascal on IIe's with the 80 column board. The
> system automatically comes up in 80 column mode. The only problem we
> have encountered is that the up and down cursor controls do not work
> These functions still require the use of the old control-L and control-P
> keys as in the IIe. On the positive side, the upper/lower case keyboard
> on the IIe is a real improvement.

You need to open your "Apple Pascal Operating System Reference Manual" to page 199 and read about system reconfiguration. Specifically, you need to run the program APPLE3:SETUP.CODE and change the values of the following setup parameters, as shown in the table on page 209:

Parameter name	default value	value for //e
KEY TO MOVE CURSOR DOWN	CTRL-L	<down arrow>
KEY TO MOVE CURSOR UP	CTRL-O	<up arrow>
HAS LOWER CASE	FALSE	TRUE
SCREEN WIDTH	79	80

You don't even have to know the ASCII codes that are generated by the arrow keys, since the program allows you to type the keys themselves in response to the prompt. One other possibly desirable change is:

KEY TO DELETE LINE	CTRL-X	DELETE

The problem with this last is a quirk in the operating system. On the //e, the ASCII DELETE is a PRINTING CHARACTER (it makes a checkerboard pattern which is used as a cursor by Apple DOS, but not by Pascal). The Pascal system, however, thinks that DELETE is a nonprinting character. The result is that when you delete a line using DELETE, it appears that one character is still there (but it really isn't).

There are two possible solutions to this dilemma, other than forgetting about DELETE:

1. Figure out how the system tables work and patch the system to make DELETE a printing character. There are some hints dropped in the manuals, but it is not clear-cut. I didn't go this route, because of:

2. The Modula-2 System from Volition Systems provides (among other things) a patched version of the system that recognizes DELETE as the "delete line" character and handles it correctly.

--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From -7970646605191282194
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3cb66c0b210e9e36,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-23 04:44:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Quickdraw Update
Message-ID: <1286@mhuxt.UUCP>
Date: Fri, 23-Mar-84 07:44:54 EST
Article-I.D.: mhuxt.1286
Posted: Fri Mar 23 07:44:54 1984
Date-Received: Sun, 25-Mar-84 07:41:04 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 20

<>
It appears that the only way (right now) to get the Quickdraw Manual is to
get the Macintosh documentation manual called Inside Macintosh. This is the
$150 800 page magnum opus that has been previously mentioned in this
news group. For an extra $100 you get the next update of the manual as well
as development software and updates to that software for a year. I don't have
$250, but for those who do:

         Apple Computer Inc.
         467 Saratoga Ave. Suite 621
         San Jose, Calif. 95129

Hopefully we'll see a separate Quickdraw manual or (hint, hint) someone will
share goodies from the Inside Macintosh documentation with us.

Any more information on the C compiler? I have heard conflicting noise on both
developers and release dates. It will be nice to get away from Basic.

              Steve Crandall
              mhuxt!evans

From 3975213662225385952
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9a0336321856178a,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-23 10:32:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alberta.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!alberta!markj
From: markj@alberta.UUCP (Mark Johnson)
Newsgroups: net.micro.apple
Subject: Basic on Mac
Message-ID: <164@alberta.UUCP>
Date: Fri, 23-Mar-84 13:32:28 EST
Article-I.D.: alberta.164
Posted: Fri Mar 23 13:32:28 1984
Date-Received: Sun, 25-Mar-84 08:39:58 EST
Organization: U. of Alberta, Edmonton, AB
Lines: 14

I stopped in to pick up my MacSack the other day (7 weeks delivery),
and chatted about other Mac options. Pascal - soon? not yet, anyway.
MacTerminal? - no word (I SURE WOULD LIKE THIS ONE) The salesman
pointed out that they had Basic from Microsoft (but not one to sell).
He said he was very disappointed in the Basic, since there was only
18K left for workspace ... is this TRUE? What will happen with
Pascal? Is this thing useless for programming until the 256K chips?

I would also like to hear about any other software that is available
(as opposed to announced), especially in Frostback land (Canada).

Mark Johnson
Alberta Research Council

IBM = I Bought Mac :-)

From 408782051114348275
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,edec88f53ae19ed7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-23 12:24:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: XOR lines
Message-ID: <2626@rabbit.UUCP>
Date: Fri, 23-Mar-84 15:24:09 EST
Article-I.D.: rabbit.2626
Posted: Fri Mar 23 15:24:09 1984
Date-Received: Sun, 25-Mar-84 09:02:50 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 14

With a little experimenting, I've modified the line drawing routine
used by Applesoft. Believe it or not, it is VERY relocatable, so I

moved it to RAM and modified both the line draw and the plot routines
to be exclusive-or instead of destroying background. This allows you
to produce programs that use the 'rubber banding' effect that has become
so popular in user-friendly software as of late.

If there is call for it I will gladly post the modifications and instructions
unfortunately, one must poke in the arguments and do a call, but with a
little work, I may have so that it uses either the ampersand or the usr
commands (probably ampersand).

Steve Hawley
<allegra,alice>!rabbit!sdh

From 4202469141304041017
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,803516c98fbc0d11
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,d335fab610322029,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-23 12:57:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcsvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!ittvax!dcdwest!sdcsvax!allyn
From: allyn@sdcsvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Arrays in Apple PASCAL Units? - (nf)
Message-ID: <617@sdcsvax.UUCP>
Date: Fri, 23-Mar-84 15:57:48 EST
Article-I.D.: sdcsvax.617
Posted: Fri Mar 23 15:57:48 1984
Date-Received: Sun, 25-Mar-84 10:26:33 EST
References: <1138@inmet.UUCP>
Organization: U.C. San Diego
Lines: 17

It is extremely dirty to use variably dimensioned arrays AT ALL in Pascal.
The only way I know of is to declare a pointer to your array type declared
like this: array[0..0] of whatever; If you turn rangechecking off (*$R-*)
then you can access all the memory you want. In this case, you should
then pass the pointer and the dimension to the unit procedure. Be careful
of stack overflows.

You may declare variables, procedures, and functions local to the
implementation section of a unit.

I believe that variables must be of the *exact same* type to be equivalent.

If you need more help, mail me.
--
 From the virtual mind of Allyn Fratkin
                          UCSD Pascal Project
                          U.C. San Diego

From -2334880758552047156
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,67d3e2ca6594012e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-23 21:05:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!cca!ima!inmet!bhyde
From: bhyde@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Mac Chat. - (nf)
Message-ID: <1147@inmet.UUCP>
Date: Sat, 24-Mar-84 00:05:56 EST
Article-I.D.: inmet.1147
Posted: Sat Mar 24 00:05:56 1984
Date-Received: Sun, 25-Mar-84 13:08:17 EST
Lines: 53

#N:inmet:17900014:000:3523
inmet!bhyde   Mar 22 22:53:00 1984

I've had my Macintosh for about a month. It continues to be great. I have found only one bug in the last three weeks, its very obscure and in MacPaint. The most frustrating thing about the mac is speed. The applications take time to start up, the disk seems to be the bottle neck, I presume that more memory would solve this problem, I wonder if I wouldn't rather have the second drive be ram disk. It isn't really slow compaired to other floopy based systems its just that I value those few moments every day that I'm willing to work very highly and I hate to watch them dribble away.

  The applications are a real pleasure. It is a rare moment in computing when you aren't regualarly irritated by some boundary condiditon in the software. MacWrite really grows on you, I wish for a little of the vi/emac kind of power but the mouse is so zippy that I rank MacWrite is a close second to vi in my ranking. As a formater it isn't Scribe but it comes close on the user friendly axis, on the archecture axis is isn't much very special once you've gotten over the increadable power of the what you see is what you get feedback.

  MacPaint is magic. The author of this program is wizard, I don't think I've ever see a program this perfect. Its so smooth, no edges, so very accessable. And like scribe there is very substantail power hidden under that surface.

  The Microsoft spreadsheet is fine. It has all the limits of a classic spread sheet, I have a lot of trouble viewing the universe as one giant array. The user interface is everything it should be, Apple has set a good example and Microsoft didn't blow it. I've found a dozen or so little nits in it, mostly off my one problems, I don't believe they let enough talented users beat on it, and the author wasn't an artist but a competent hacker. The manual doesn't exactly agree with the implementation either. If your trying to sell this to a spreadsheet user then the user interface should do the trick, it is very easy to use.

  I have used the Microsoft Basic for a few hours at the store. It's fun but I can't bring my self to buy a basic for a whole mess of money. It takes it about 20-30 seconds to draw a thousand lines on the screen, I'd quess. I don't

think you could write an game in it that moved sprites about the screen.
  The microsoft programs maybe copied to another disk, and run from the copy but a copy will always request that it see you master disk as it starts up, what a pain. It only needs to see the master the first time you start it up in the day, if you never turned the machine off this wouldn't be such a problem. There does not seem to be any copy protection on the Apple software, but then it may know the serial number of the machine some how, I doubt that since the hardware design doesn't seem to admit that as an option.
  I heard a funny story about some guy who'd gone to an interview at Microsoft. It seems they have this section of the building all boarded up for Mac development work, paper on the windows, locks on the doors, etc. The guy he went out to lunch with from that group allowed as he hadn't been out of the building in a month. The master Multiplan disk has all these 2:00Am, 5:15Am, Jan 30, 1984 dates on the files.
  I would very MUCH like to see a Macintosh notesfile. I want it called net.micro.mac, since it is cute. Could one of our fine ARPA net gateways step forward and plug us into the Flames from the white tower network, please?
              Ben Hyde, Intermetrics Inc, Cambridge, Mass.

From 8268538332690002303
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cf356cd88eb85fa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-24 02:59:35 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Querry re 80 columns for Pascal on t - (nf)
Message-ID: <1158@inmet.UUCP>
Date: Sat, 24-Mar-84 05:59:35 EST
Article-I.D.: inmet.1158
Posted: Sat Mar 24 05:59:35 1984
Date-Received: Sun, 25-Mar-84 13:12:50 EST
Lines: 4

#R:houxf:-67100:inmet:17900015:000:54
inmet!muller   Mar 23 17:38:00 1984

yes, it is automatic on the IIe with an 80-col board.

From 3348328843415426676
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4fc79808e14f1e1d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-24 13:45:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)

Newsgroups: net.micro.apple
Subject: ProDos on a Parasite
Message-ID: <592@ihuxn.UUCP>
Date: Sat, 24-Mar-84 16:45:14 EST
Article-I.D.: ihuxn.592
Posted: Sat Mar 24 16:45:14 1984
Date-Received: Sun, 25-Mar-84 14:22:24 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 14

To R.L. Caroll and others:

In answer to inquiries o using ProDos on a copy-cat Apple, I am reposting informaton in a previous letter. Boot the ProDos disk and when meaningful action seems to have ceased, press RESET, go into the monitor (call-151), type 2647:EA EA and 2000G. I am taking someone's word for it that it works.

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From 7119118093887915057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f563e57b91dab36
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-25 09:29:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site aplvax.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rlgvax!cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: PASCAL on //e
Message-ID: <540@aplvax.UUCP>
Date: Sun, 25-Mar-84 12:29:23 EST
Article-I.D.: aplvax.540
Posted: Sun Mar 25 12:29:23 1984
Date-Received: Mon, 26-Mar-84 20:41:42 EST
References: <2183@ecsvax.UUCP>
Organization: JHU/Applied Physics Lab, Laurel, MD
Lines: 8

To get the up and down arrow keys to work in Pascal, use the configuration program on the third disk. It works fine (at least mine has).

--

eric

...!seismo!umcp-cs!aplvax!eric

From -1865454249903527367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ced10ef796c7fb84,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-25 18:34:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Programming the calculator on the Mac
Message-ID: <1398@aluxe.UUCP>
Date: Sun, 25-Mar-84 21:34:51 EST
Article-I.D.: aluxe.1398
Posted: Sun Mar 25 21:34:51 1984
Date-Received: Mon, 26-Mar-84 20:41:04 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 27

I ran across a little Mac trick and am sharing it with the net.

I was performing a series of long calculations, the kind where a
programmable calculator is nice. The Mac works great as follows.

Open the note pad to a clean page on one half of the screen,
and open the calculator on the other half. Type in the normal
keystrokes you would enter on the calculator into the note pad.
Don't enter a RETURN unless you want the calculator to beep at you.
When finished entering your equation into the note pad, highlite
it with the mouse and copy it into the clipboard (COMMAND-c). Move
over to the calculator and paste the clipboard into the calculator
(COMMAND-v). Watch the keys go, and walla the answer.

Ahh, now you want to change your equation a little, simply edit
the note pad, copy it into the clipboard, then paste it into
the calculator. Thats it!!

MacNificent Mac

Lonnie R. Abelbeck
AT&T Bell Laboratories
..!aluxe!lra

From -1382375994452357537
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1413b12114e3810,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-03-25 22:53:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ucbvax!ucbcad!tektronix!hplabs!hp-pcd!orstcs!nathan
From: nathan@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Mac Quickdraw docs
Message-ID: <15200008@orstcs.UUCP>
Date: Mon, 26-Mar-84 01:53:00 EST
Article-I.D.: orstcs.15200008
Posted: Mon Mar 26 01:53:00 1984
Date-Received: Thu, 22-Mar-84 02:30:23 EST
Organization: Oregon State University - Corvallis, OR
Lines: 14
Nf-ID: #N:orstcs:15200008:000:525
Nf-From: orstcs!nathan   Mar 19 22:53:00 1984

Re: Mac Quickdraw (and other firmware doc)

Apple has a document available to "approved developers"
(whatever THEY are; fill out the forms and take your chances)
for $150. You'd think they'd make it available cheaper to
those schools that bought lots of them; maybe they figured that
if the students can't hack, they'll work on homework instead? :-)

For the rest of us, we'll just have to settle for the McGraw-Hill
and Howard W. Sams "interpretations" of Apple's manuals.

     The Unreliable,
     Nathan C. Myers
     orstcs!nathan

From 8359597003343677790
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7adbff89d7c74342,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-26 13:00:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site abnjh.UUCP
Path: utzoo!watmath!clyde!floyd!whuxle!spuxll!abnjh!ncoss
From: ncoss@abnjh.UUCP (Scott D. Allen)
Newsgroups: net.micro.apple
Subject: MacBASIC vs Microsoft BASIC Questions
Message-ID: <515@abnjh.UUCP>
Date: Mon, 26-Mar-84 16:00:42 EST
Article-I.D.: abnjh.515
Posted: Mon Mar 26 16:00:42 1984
Date-Received: Tue, 27-Mar-84 01:43:28 EST
Organization: AT&T Information Systems
Lines: 26

[Burp!]

I just a purchased a Mac (I have to wait at least two weeks before delivery, darn it!). My questions has to do with the two BASIC packages available for the Mac.

Has anyone seen MacBASIC and can tell me the difference between it and Microsoft BASIC?

I know Microsoft is going to cost me about $150. Anyone got a price and/or due date for MacBASIC?

Any chance of either BASIC being compatible with the version that runs on the Apple II+ or IIe?

I would really appreciate any help before the Mac arrives. I have to start cranking out BASIC programs ASAP.

Thanks,

Scott D. Allen
American Bell, Inc.
AT&T Information Systems
Orlando, Florida

From 7024142696516533057
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7b6d309361b237a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-26 14:44:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!zehntel!zps!digger
From: digger@zps.UUCP (Scott A. Miles)
Newsgroups: net.micro.apple
Subject: PASCAL on the //e
Message-ID: <161@zps.UUCP>
Date: Mon, 26-Mar-84 17:44:39 EST
Article-I.D.: zps.161
Posted: Mon Mar 26 17:44:39 1984
Date-Received: Wed, 28-Mar-84 00:26:02 EST
Lines: 12

> Does anyone know of a way to move pascal binary files to
> DOS 3.3 disks? It would be nice if you could write a program
> in the pascal environment and then move the executable to
> a standard disk for someone to use who knows very little about
> the computer.

Thanks
Scott Miles
zehntel!zps!digger

From 2334057316164011178
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8379634991806df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-26 15:53:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!philabs!mcnc!unc!howell
From: howell@unc.UUCP (William Howell)
Newsgroups: net.micro.apple
Subject: APPLE PASCAL FOR //e
Message-ID: <6983@unc.UUCP>
Date: Mon, 26-Mar-84 18:53:32 EST
Article-I.D.: unc.6983
Posted: Mon Mar 26 18:53:32 1984
Date-Received: Wed, 28-Mar-84 01:03:47 EST
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 5

I have altered my apple pascal software to recognize the up and
down arrows as discussed in some of the recent news items. But
now if I accidentally do a control-O the screen goes into reverse
video and there does not appear to be a way to put it back to
regular video without resetting the apple. Any suggestions?

From -5041661469017427278
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8f4444371da15186,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 03:36:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!cca!ima!inmet!lord
From: lord@inmet.UUCP
Newsgroups: net.micro.apple
Subject: q - (nf)
Message-ID: <1167@inmet.UUCP>
Date: Tue, 27-Mar-84 06:36:27 EST
Article-I.D.: inmet.1167
Posted: Tue Mar 27 06:36:27 1984
Date-Received: Fri, 30-Mar-84 00:37:18 EST
Lines: 2

#N:inmet:17900016:000:1
inmet!lord   Mar 26 09:00:00 1984

From 7724602525045235921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7b6d309361b237a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 07:24:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: PASCAL on the //e
Message-ID: <241@pucc-i>
Date: Tue, 27-Mar-84 10:24:22 EST
Article-I.D.: pucc-i.241
Posted: Tue Mar 27 10:24:22 1984
Date-Received: Wed, 28-Mar-84 07:08:29 EST
References: <161@zps.UUCP>
Organization: Purdue University Computing Center
Lines: 32

A good source of information for Pascal <-> DOS 3.3 file transfers is the book "Beneath Apple DOS" by Don Worth. There is a companion book and disk called "Bag of Tricks" from Quality Software. The disk contains a program which can do the transfers, but it is not extremely convenient to use, since the file transfer is only a side effect of the program's main purpose, which is to examine disks and display raw data, make patches, etc.

There have been file transfer programs in various magazines. I don't have a reference in front of me but I can dig one up if anyone needs it. I have never seen the need for Pascal <-> DOS file transfers myself, since I don't use DOS for anything but the most trivial purposes, but I know what is involved.

Basically, you need to use the lowest-level disk routines (Pascal's "unitread" and DOS "RWTS") to read the foreign disk. The trickiest part, if you want to program it yourself, is figuring out how to map Pascal "blocks" into DOS "track/sector" addresses. The two systems use a different interleaving scheme, which largely explains why Pascal disk operations are so much faster than DOS. This is detailed in "Beneath Apple DOS," which also describes the Apple CP/M format (yet another interleaving scheme).

You also need to decipher the directories. The DOS directory is located on track 17 (11 HEX) and is well-documented in the Apple manual. The Pascal directory is on blocks 2-5 and is not so well documented, but I can post a description if anyone needs it.
--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity

by extraneous bombastic circumlocution."

From 1940827790476197129
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7b6d309361b237a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 12:38:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!zehntel!dual!amd70!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: PASCAL on the //e
Message-ID: <241@intelca.UUCP>
Date: Tue, 27-Mar-84 15:38:46 EST
Article-I.D.: intelca.241
Posted: Tue Mar 27 15:38:46 1984
Date-Received: Thu, 29-Mar-84 05:38:00 EST
References: <161@zps.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 7

Byte magazine once had an article complete with program listings
for disk file transfers:

     Apple][Pascal   from/to   DOS 3.3

It should work on the //e.
Check the indexes in December Bytes, try around 1982.

From -8369963652010629060
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4fc79808e14f1e1d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 17:29:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: ProDos on a Parasite
Message-ID: <3633@utcsrgv.UUCP>
Date: Tue, 27-Mar-84 20:29:37 EST
Article-I.D.: utcsrgv.3633
Posted: Tue Mar 27 20:29:37 1984
Date-Received: Tue, 27-Mar-84 22:27:52 EST
References: <592@ihuxn.UUCP>
Organization: CSRG, University of Toronto
Lines: 20

xxx

  The ProDos "fix" that was proposed not only does not work for
  me (2647:EA EA), but seems to
  be patching only the first 2 bytes of a 3 byte inst'n to
  NOPs. Oh well.

To correct my earier posting, what I had heard was that ProDos
  was incompatible with non-std disk cards. One person
  has responded that it worked properly with his clone. On the
  other hand, it won't work with mine even though I have never
  had trouble with any other software.

I could understand apple making the software check to ROM to
  cut out the clone makers, but it does not seem sensible to
  insist on a std disk card. I would presume it is
  acceptable to Apple that their users buy third party
  peripherals.
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -6592025064401127183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2064cd13db64ad36,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 17:48:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: date.c for AZTEC C system
Message-ID: <233@mb2c.UUCP>
Date: Tue, 27-Mar-84 20:48:24 EST
Article-I.D.: mb2c.233
Posted: Tue Mar 27 20:48:24 1984
Date-Received: Thu, 29-Mar-84 04:58:29 EST
Lines: 11

I have posted to net.sources a copy of the C source for a program
which reads the Mountain Hardware CPS Clock (in slot 5, but easy to change)
and produces output similar to the UNIX date command (but with no
formatting arguments permitted).

This code should work with some modifications with other clock cards,
if anyone modifies it to work with others, please post your results
to this newsgroup and send the source along too.

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-1653

From -1853809296354076423
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,1d4ac22be17ea6b3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-27 18:16:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!stolaf!jons
From: jons@stolaf.UUCP (Steven D. Jons)
Newsgroups: net.micro.apple
Subject: modem for sale
Message-ID: <1585@stolaf.UUCP>
Date: Tue, 27-Mar-84 21:16:57 EST
Article-I.D.: stolaf.1585
Posted: Tue Mar 27 21:16:57 1984
Date-Received: Thu, 29-Mar-84 05:30:04 EST
Organization: St. Olaf College, Northfield MN
Lines: 10

I am selling a 300 baud Micromodem by Hayes
    It is the Micromodem //e (better than the older one), but is can also be used on the apple // and //+. It is compact, consisting of a board that plugs into an expansion slot and a cable that goes direct from that board to a telephone jack. It has a built in speaker, so one can hear whether the line is busy, a person has answered, etc. It comes with a manual and free subscription to the Source. I got it in early January, so it has hardly been used, but I have cquired a 1200 baud modem. It lists at $330. I am asking $248.

ihnp4!stolaf!jons

From 4397254597576416600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8379634991806df
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-28 07:02:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Re: APPLE PASCAL FOR //e
Message-ID: <242@pucc-i>
Date: Wed, 28-Mar-84 10:02:32 EST
Article-I.D.: pucc-i.242
Posted: Wed Mar 28 10:02:32 1984
Date-Received: Fri, 30-Mar-84 00:55:00 EST
References: <6983@unc.UUCP>
Organization: Purdue University Computing Center
Lines: 13

If you don't want CTRL-O (? - I thought it was CTRL-E or CTRL-R) to toggle reverse video, then run the setup program again and set HAS LOWER CASE=TRUE.

Also, be sure to set the screen width to 80 instead of the default 79. You
will see a dramatic difference in the displayed prompts and in the "E" display
from the FILER.
--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From -4667109530141300118
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,c77cc8d2d6619f44,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,c77cc8d2d6619f44,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-28 12:10:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site iham1.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!iham1!ruffwork
From: ruffwork@iham1.UUCP (Ritchey Ruff)
Newsgroups: net.wanted,net.micro.apple
Subject: termcaps for Apples (Mc and][e)
Message-ID: <113@iham1.UUCP>
Date: Wed, 28-Mar-84 15:10:39 EST
Article-I.D.: iham1.113
Posted: Wed Mar 28 15:10:39 1984
Date-Received: Fri, 30-Mar-84 00:22:02 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 16

I am looking for termcaps for a
apple][e using the CCS 7710D
modem card (and 80 col. card).
I have several, but none work
with vi.

Also, I just got a Mc and was
wondering if anybody has termcaps
for it yet (also to work with
vi).

ritchey ruff
...ihnp4!iham1!ruffwork
...ihnp4!ihuxn!ruffwork
...ihnp4!ihss1!ruffwork
[]

From 8064068587401857939
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,8379634991806df
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-28 15:11:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Apple Pascal (Inverse Video)
Message-ID: <243@pucc-i>
Date: Wed, 28-Mar-84 18:11:32 EST
Article-I.D.: pucc-i.243
Posted: Wed Mar 28 18:11:32 1984
Date-Received: Fri, 30-Mar-84 01:01:49 EST
References: <6983@unc.UUCP>
Organization: Purdue University Computing Center
Lines: 20

There are two ways to put your Apple into inverse video mode from Pascal:

1. This seems to apply only if you are running with HAS LOWER CASE=FALSE
   in your SYSTEM.MISCINFO. This is the default value and is appropriate
   for an Apple II+. Inverse video can be used to represent upper case
   letters, with normal video for lower case. On the //e, this mode
   should be disabled by running SETUP and setting HAS LOWER CASE=TRUE.

2. This applies if you are using a //e with the Apple 80-column card.
   If a program writes CTRL-O to the CONSOLE:, it enables inverse video.
   To turn off inverse video, send a CTRL-N. These codes are not
   operative if typed in from the keyboard; they must be written by
   a program. (Possibly the program echoed back what you typed?)

--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From -3247063837357483421
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,743f5bf5c3aae44d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-28 21:14:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro.apple
Subject: Apple Pascal, 80 column displays, RAM disks.

Message-ID: <236@pucc-i>
Date: Thu, 29-Mar-84 00:14:44 EST
Article-I.D.: pucc-i.236
Posted: Thu Mar 29 00:14:44 1984
Date-Received: Fri, 23-Mar-84 08:46:41 EST
References: <671@houxf.UUCP>
Organization: Purdue University Computing Center
Lines: 30

> I have a question about Pascal 1.1 on the //e.
>
> On the Apple II+, Pascal 1.1 has a 40 column display. <CONTROL-A> is
> used to look at the right-hand 80 columns. I'd like to know if a real
> 80 column display is available on the //e (with an 80 column board).

With most 80-column boards, Pascal 1.1 will automatically turn on the 80-column display at boot time. I am typing this on a Pascal communications program running on a 128K Apple //e with Apple's extended memory 80-column card. The 64K version works the same way. At least some third-party boards can work with Pascal on both the //e and II+.

Some of the third-party 80-column boards might have trouble. I understand that some early versions of the Videx Videoterm had faulty ROMs which caused some Pascal functions to hang, but that has supposedly been fixed. If you get stuck with one of the old ones, you are supposed to be able to get an upgrade from Videx. I recall reading that most other 80-column boards that are //e compatible will work with Pascal, but I don't remember which ones didn't.

Incidentally, rumor has it that Pascal 1.2 is now available from Apple. One of the things 1.2 can do is use the full 128K, possibly turning the other bank into a RAM disk. The upgrade is apparently $75 plus your APPLE1: disk from Pascal 1.1 (or FREE if you bought Pascal 1.1 recently enough).
--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From 7381669256626459530
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c476f105d4dcb943
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-28 22:48:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ucbvax!ucbcad!tektronix!hplabs!hp-pcd!orstcs!nathan
From: nathan@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Pro-DOS and non-Apple peripherals.

Message-ID: <15200007@orstcs.UUCP>
Date: Thu, 29-Mar-84 01:48:00 EST
Article-I.D.: orstcs.15200007
Posted: Thu Mar 29 01:48:00 1984
Date-Received: Thu, 22-Mar-84 02:29:53 EST
References: <3486@utcsrgv.UUCP>
Organization: Oregon State University - Corvallis, OR
Lines: 10
Nf-ID: #R:utcsrgv:-348600:orstcs:15200007:000:386
Nf-From: orstcs!nathan   Mar 19 22:48:00 1984

Why doesn't PRODOS work with non-apple disk controller cards?

WELL. You see, apple has been losing money to Franklin, and they
figured that, as long as they were intoducing a new OS, they
might as well make sure it would work on their hardware but
not Franklin's. You got caught in the middle (pretty much as they intended).

     the unreliable source,
     Nathan C. Myers
     orstcs!nathan

From -9073834869756376793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd1045e0d04ef4b6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-29 02:39:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ucbvax!ucbcad!tektronix!uw-beaver!uw-
june!rling
From: rling@uw-june (Robert Ling)
Newsgroups: net.micro.apple
Subject: Alternate Monitor for the Macintosh ?
Message-ID: <1169@uw-june>
Date: Thu, 29-Mar-84 05:39:16 EST
Article-I.D.: uw-june.1169
Posted: Thu Mar 29 05:39:16 1984
Date-Received: Sun, 1-Apr-84 08:24:44 EST
Organization: U. Washington, Computer Sci
Lines: 7

    Is there any way of using another (larger) monitor with the Mac ?
If it were possible, what kind of monitor (resolution, scan rate, etc.) ?

                                        Robert Ling.
          ...decvax!microsof!uw-beaver!uw-june!rling

From 6684986324759892397

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,82b368c28a4174d,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 15f443,82b368c28a4174d,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,82b368c28a4174d,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 169ae0,82b368c28a4174d,start
X-Google-Attributes: gid169ae0,public
X-Google-ArrivalTime: 1984-03-29 19:11:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ulysses!mhuxl!houxm!ihnp4!ihuxn!jjsk
From: jjsk@ihuxn.UUCP (jim kent)
Newsgroups: net.info-terms,net.wanted,net.micro.apple,net.unix-wizards
Subject: termcap needed for Apple //e
Message-ID: <599@ihuxn.UUCP>
Date: Thu, 29-Mar-84 22:11:32 EST
Article-I.D.: ihuxn.599
Posted: Thu Mar 29 22:11:32 1984
Date-Received: Fri, 30-Mar-84 06:55:59 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 7

Need termcap for an APPLE //e to run vi with an Apple 80-column card,
CCS 7710D serial card and a Hayes 1200 baud smartmodem running
ASCII Express.

Thanks
jim kent

...ihnp4!ihuxn!jjsk

From 1194710977604398091
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8379634991806df
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-29 20:45:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!tektronix!hplabs!hao!
seismo!uwvax!neves
From: neves@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: Re: APPLE PASCAL FOR //e (inverse screen)
Message-ID: <171@uwvax.ARPA>
Date: Thu, 29-Mar-84 23:45:58 EST
Article-I.D.: uwvax.171
Posted: Thu Mar 29 23:45:58 1984
Date-Received: Sat, 31-Mar-84 07:21:04 EST
References: <6983@unc.UUCP>
Organization: U of Wisconsin CS Dept
Lines: 5

Whenever the //e screen is sent a control-O or control-Q strange things
can happen to your screen (i.e. it can turn inverse or into 40 column
mode). To fix the //e without rebooting go into the filer and type
control-n (this sends a control-n to the screen which fixes things).
I believe that pascal 1.2 might fix this annoying bug/feature.

From 6454217313009892468
X-Google-Language: Unknown,Unknown
X-Google-Thread: 1622d3,5a9bddfbe96990f3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-30 18:53:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site uw-june
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!uw-june!rling
From: rling@uw-june (Robert Ling)
Newsgroups: net.micro.apple
Subject: Alternate monitor for Macintosh ?
Message-ID: <1179@uw-june>
Date: Fri, 30-Mar-84 21:53:39 EST
Article-I.D.: uw-june.1179
Posted: Fri Mar 30 21:53:39 1984
Date-Received: Sat, 31-Mar-84 09:35:58 EST
Organization: U. Washington, Computer Sci
Lines: 9

From 3880439689224511232
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1a253f9b8a127319,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-31 03:32:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!mcnc!decvax!cca!ima!inmet!bhyde
From: bhyde@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Info-mac, 3/10-3/15 digested - (nf)
Message-ID: <1189@inmet.UUCP>
Date: Sat, 31-Mar-84 06:32:22 EST
Article-I.D.: inmet.1189
Posted: Sat Mar 31 06:32:22 1984
Date-Received: Tue, 3-Apr-84 19:53:47 EST
Lines: 74

#N:inmet:17900018:000:4133
inmet!bhyde   Mar 29 09:48:00 1984

This is a review of the contents of INFO-MAC for the period from
March 10th thru about half of March 15th.   enjoy ben hyde
Pricing:

"Having just worked on a project to sell a uP data-logger we have found that a 3x mark-up will insure about a 20% profit after taxes." glenn at su-shasta

Universitys:

- "... 500-600 people ordered Macs ... at Mich..." Jerry Wallis (Wallis @ sumex)
- "This is second hand and might not be accurate, but the word here at UT-Austin was that 2000 people snapped up tickets to buy Macs and/or Lisas on the first day. My ticket was numbered 1536 but I don't know where the numbering started. The scheme here is to stand in line to get a ticket that allows you to return at a later date (and at a specific time) to order a Mac. My date is March 23. You plunk down your 20% when you order and bring the rest when you pick up the machine.
- "We have recieved 700+ orders for Macs, and delivered the first 100 or so. But the predicted delivery of 300 more in March and 100 a month thereafter should be understood as our quesses, and not as information based on any promises from Apple." William Sholar <SHOLAR@CMU-CS-C.ARPA>

Other:

- Christopher A Kent (cak@Purdue.ARPA) feels that at $1200 the mac is a pretty good terminal, "won't threaten anyone's mainframes, but it should be able to make using those mainframes a bit more friendly."
- Much discussion about in different modens with Macterminal. Seems that Hayes compatable autodial modems should work fine.
  > "The Apple Modem is a repackaged USR Password. While Apple claims that they have made special modifications', I am reasonably certain that the instructions set remains essentially unchanged. This would mean that both Password and Hayes Smartmodem are OK."
  Michael Tchao <TCHAO@SU-SCORE.ARPA>
- Rumor of an upgrade problem for an old Lisa upgrading to a Lisa 2/10, no problem with upgrade to a Lisa 2. "timing incompatiblities on the mother board... any one .. successfully to 2/10 ..?" John Shore <shore@NRL-CSS>
- Talk of stacking add on boxes under the printer, over the monitor, worry about vibration, shipping box for add ons, standard peripheral footprint and roof...
- "I really only want one peripheral: a wire going to my local net, providing modem, printer, large-scale storage, and communication."
  Matthew J Weinstein < matt@UCLA-LOCUS >
- "...Big Blue released a 'portable' computer weighing 30 pounds whereas the 'non-portable' Mac weighs in around 20. ..." eugene miya <emiya@ames-vmsb>
- "purchased an insurance policy .. regular ... agent ... Aetna ... $100/year for $7000 coverage ... in home or not ... had to make up list of purchase price or replacement value." Mike Ciaraldi <ciaraldi@Rochester.ARPA>
- A report that a poor fellow discovers that his refrigerator makes the line voltage drop below 100 volts, his Mac was going haywire several times a day, disks lost, he now unplugs the fridge.

Queries:

Generate Music from basic?

General Gimics:

- shift-command-1 ejects disk... at all times ..." if the drive does not contain a disk, the eject mechanism is exercised. There doesn't seem to be any harmful side-effects, since a dialog box asking for the disk is displayed as soon as the disk is needed ... might help in situations involving a physically write locked disk."
  Mike Schuster <Mikes@cit-20.arpa>

MacPaint Gimics:
 - On problem of pasting large images into MacWrite from MacPaint
     > you can do physical cut and paste latter,
     > you can insert whole pages in the final document
     > you can, but its hard, cut out vertical peices and line them up
       in MacWrite. This is hard since cut/paste isn't perfectly accurate
       about the boundaries.
     > You can shink, cut, paste, and expand, but this loses information in
       the shink step.
Bugs:
  > ".. demonstration disks were broken ... power cycling ... to get out
    of boring demonstrations ... leads to unusable diskette." John Palevich
    palevich%atari.csnet@csnet-relay.arpa
Jerry Pournelle

From 5341170809499561377
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9217a0a20d7ee3e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-08 11:39:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houem.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houem!gtp
From: gtp@houem.UUCP (G.PECKHAM)
Newsgroups: net.micro.apple
Subject: APPLE MONITOR for sale
Message-ID: <219@houem.UUCP>
Date: Wed, 8-Feb-84 14:39:20 EST
Article-I.D.: houem.219
Posted: Wed Feb 8 14:39:20 1984
Date-Received: Fri, 10-Feb-84 02:21:05 EST
Organization: Bell Labs, Holmdel NJ
Lines: 11

Brand new APPLE II monitor (monochrome) for sale.

This monitor was part of an APPLE II package deal,
although an AMDEK Color I monitor was also purchased.

The monitor is still in the box and a one year warranty
is included.

Should work with other systems.
Asking $175

From 2223429692450139458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17173d3f8c4ee3ba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-08 15:19:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: St.Mac
Message-ID: <964@druxy.UUCP>
Date: Wed, 8-Feb-84 18:19:51 EST
Article-I.D.: druxy.964
Posted: Wed Feb 8 18:19:51 1984
Date-Received: Fri, 10-Feb-84 03:31:53 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 15

A new magazine about the Macintosh appeared at my local Apple dealer
this week. The name of the mag is St.Mac (good grief!). It is
published by Softalk Publishing, which might explain the "St".
I can't say that I recommend the mag, although I haven't read
the whole thing. The publishing quality does not even compare to
Macworld. St.Mac features such useful articles as:
     "A Day in the Life of a Hawaiian Lisa"
Need I say more? However, if you own a Lisa or Mac, they will
give you a free trial subscription. I'll give it a chance,
although a friend of mine didn't think it was worth the effort
of filling out the card!

     Ray Davis   AT&T Information Systems Laboratories   Denver
     {ihnp4|hogpc}!druxy!bees   (303)538-3991

From -7756326399062440140
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a72dec48162d3173,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-08 21:15:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site cwruecmp.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!cwruecmp!decot
From: decot@cwruecmp.UUCP (Dave Decot)
Newsgroups: net.micro.apple
Subject: Re: apple pascal: need help!
Message-ID: <961@cwruecmp.UUCP>
Date: Thu, 9-Feb-84 00:15:12 EST
Article-I.D.: cwruecmp.961
Posted: Thu Feb 9 00:15:12 1984
Date-Received: Fri, 10-Feb-84 07:04:33 EST
References: <158@zps.UUCP>
Organization: CWRU Computer Engr. Cleveland, Ohio
Lines: 18

  From: digger@zps.UUCP (Scott A. Miles)

> I have an apple //e with ver. 1.1 pascal. I don't have any
> documentation for the pascal disks. Could anyone help me
> out if they could get me a copy of [their] manual. I will
> most certainly pay for the copies and postage.

I don't understand why you don't ask your dealer to supply the
documentation that you are missing. Remember that it is illegal
to make copies of Apple Computer's copyrighted documentation.

Apple products are only legally available from authorized dealers.
If you did not buy Apple Pascal from such a dealer, you have no business
asking anyone for documentation to which you are not entitled.

Dave Decot   "Non-Americans are people, too."
decvax!cwruecmp!decot   (Decot.Case@rand-relay)

From -1788339995539864640
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df37cde077e7ddf4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-09 06:55:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rlgvax!cvl!umcp-cs!velu
From: velu@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject:][e to RGB and other Hardware Quest
Message-ID: <5039@umcp-cs.UUCP>
Date: Thu, 9-Feb-84 09:55:15 EST
Article-I.D.: umcp-cs.5039
Posted: Thu Feb 9 09:55:15 1984
Date-Received: Fri, 10-Feb-84 04:48:12 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 15

Does anyone know of a way by which the composite output from a][e
can be converted into RGB signals for injection into a monitor?

Also - where is a good source of getting apple specific chips -
ie the][e's memory manager and things of that type...

Please reply via mail...
         And of couse, thanx in advance....
                        - Velu
--
 Velu Sinha
UUCP: {seismo,allegra,brl-bmd}!umcp-cs!velu
CSNet: velu@umcp-cs   ARPA: velu.umcp-cs@CSNet-Relay
                        velu@umd-csd (Use this one!)

From -7000339265127115367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,694cce96a730ed7c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-09 07:12:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Recommendation for CPM modem package - (nf)
Message-ID: <2222@harpo.UUCP>
Date: Thu, 9-Feb-84 10:12:08 EST
Article-I.D.: harpo.2222
Posted: Thu Feb 9 10:12:08 1984
Date-Received: Fri, 10-Feb-84 04:18:22 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 10

#N::37600006:000:162
!bob   Feb 9 09:43:00 1984

A number of us are interested in the public acces CPM bulletin boards.
Can anyone recommend a communication package that supports or runs with the
Z80 card ?

From -5024692649537827972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ad63884315dbaf53,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-10 06:50:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1a 12/4/83; site rlgvax.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rlgvax!geller
From: geller@rlgvax.UUCP (David Geller)
Newsgroups: net.micro.apple
Subject: Is the Macinstosh really useful?
Message-ID: <1699@rlgvax.UUCP>
Date: Fri, 10-Feb-84 09:50:20 EST
Article-I.D.: rlgvax.1699
Posted: Fri Feb 10 09:50:20 1984
Date-Received: Sat, 11-Feb-84 08:16:49 EST
Organization: CCI Office Systems Group, Reston, VA
Lines: 48

--Feb 10, 1984----------
We have all read the news reports, the reviews, the interviews. Most of
us have even seen the Macintosh in real life. It's a wonderful machine,
a monument to American technology and inovative design of both hardware

and software - but is it useful to any of us?

In one word I would say YES. I wouldn't even hesitate. It's simplicity of design and function makes it one of the shining stars in the microcomputer field. I have never read any of the Mac documentation, although I'm told that it is quite good. Yet I was able to use the Mac without any problems - able to use the word processor, the drawing program, etc. I'm even convinced that my parents would be able to use it within one half-hour period. Bravo for Apple and the Mac design team. There is, however, the question of the machine being useful - I mean really useful.

Software is this machines failing - at least for now. The Macwrite program is cute but it would be no good for me. I write long papers - I mean real long. I need a more industrial power wp - not a high school project preparer. If you are considering the MAC for serious word processing than I strongly suggest that you HOLD off for Microsoft's WORD for the MAC.

I think that the Mac will prove to be a popular machine. It's a bit pricey for most people's personal budget, though. Although the MAC/LISA/STAR working environment (icons, etc.) are attractive to many people, others, like myself, find this method of communicating with the machine distracting.

Have my views been perplexing - confusing - probably. You see - I like the Mac, but I don't think it could be a machine I could use a great deal of work - for programming, etc. Perhaps in time the software support will prove my point wrong - perhaps not. I would like to add that I don't think that the Mac will pose a very strong threat to IBM's share of the market - and certainly not to PCjr's - or Commodore's - or Atari's. Mac's too expensive for the later three. As for the PC and XT - well they are good vanillia - open-ended systems with a tremendous following - both in software and hardware. That's alot to give up for a cute machine - even though it has a great processor and nice graphics. I hope Apple fares well in the micro wars only so that some of the minds behind some of Apple's most recent accomplishments may have room to grow and produce more.

{seismo}!rlgvax!geller David Geller
Computer Consoles, Inc.
Office Systems Group
1760 Reston Avenue
Reston, VA 22090

703-471-6860

From -7583243887827374391
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14f753,be1662170b5699f5,start
X-Google-Attributes: gid14f753,public
X-Google-Thread: 1622d3,be1662170b5699f5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-10 08:41:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!rochester!ritcv!jeh
From: jeh@ritcv.UUCP (James E Heliotis)
Newsgroups: net.micro.apple,net.lang.st80
Subject: MAC graphics controllable in terminal emulation?
Message-ID: <923@ritcv.UUCP>
Date: Fri, 10-Feb-84 11:41:45 EST
Article-I.D.: ritcv.923
Posted: Fri Feb 10 11:41:45 1984
Date-Received: Sat, 11-Feb-84 09:16:45 EST
Lines: 30

You know, I was thinking. If you want to try to implement a Smalltalk system on your mini or mainframe computer, but you don't have good graphics terminals, you're in big trouble. Either you fake it on non-graphically oriented terminals, and the system crawls along (which I suspect it might do anyway), or you spend a big effort ripping out all the window stuff, graphics, and mouse junk out of the Smalltalk environment you bought from Xerox, and add in your own character output routines (I think Smalltalk paints characters), and end up with something not nearly as useful.

So then, I thought, might a MacIntosh (or perhaps a Lisa) have its terminal emulation software set up so that the full desktop environment is controllable from the outside? I suspect that even if the answer is 'yes', there will be problems, for example:

>From what I have seen, I suspect the MAC implements menus and their interaction with the mouse in ROM. However, I suspect that there is a Smalltalk class 'menu' which is somehow implemented (as a subclass?) in terms of the class 'window', and that the mouse is somehow automatically monitored by those objects as well.

So, I am sure that the match would not be perfect. But can anyone enlighten me on my original question?

Jim Heliotis
{allegra,seismo}!rochester!ritcv!jeh
rocksvax!ritcv!jeh
ritcv!jeh@Rochester

From 3428132338352844497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,581c37dd3c891426,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-10 13:39:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cbosgd.UUCP
Path: utzoo!linus!decvax!harpo!ulysses!mhuxl!ihnp4!cbosgd!mww
From: mww@cbosgd.UUCP (Mike Warren)
Newsgroups: net.micro.apple

Subject: APPLE TERMCAP -- followup
Message-ID: <955@cbosgd.UUCP>
Date: Fri, 10-Feb-84 16:39:19 EST
Article-I.D.: cbosgd.955
Posted: Fri Feb 10 16:39:19 1984
Date-Received: Wed, 15-Feb-84 03:35:58 EST
Distribution: net
Organization: AT&T Bell Laboratories, Columbus
Lines: 28

Gary Gladstone
U of Waterloo, Ontario

Gary,

In respone to your net querry,
I use ASCII Pro Express on my Apple II+ with 300 bps
Hayes Micromodem. I set ASCII Pro Express to emulate
a vt52 and use the following termcap:

```
apple|apple II running ascii express pro--vt52:\
        :bs:\
        :co#80:\
        :li#24:\
        :up=\EA:\
        :nd=\EC:\
        :ce=\EK:\
        :cl=300^L:\
        :cd=\EJ:\
        :ho=\EH:\
        :cm=\EY%+ %+ :
```

Hope this helps!

Mike Warren
AT&T Bell Labs
Columbus, Ohio
cbosgd!mww

From -7380057166147044367
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1f2902490d1c6538,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-10 14:56:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site whuxcc.UUCP
Path: utzoo!watmath!clyde!floyd!whuxle!whuxcc!rwu
From: rwu@whuxcc.UUCP
Newsgroups: net.micro.apple
Subject: Re: macinfo & pointers - (nf)
Message-ID: <115@whuxcc.UUCP>
Date: Fri, 10-Feb-84 17:56:01 EST

Article-I.D.: whuxcc.115
Posted: Fri Feb 10 17:56:01 1984
Date-Received: Sat, 11-Feb-84 09:41:26 EST
Sender: rwu@whuxcc.UUCP
Organization: Bell Labs, Whippany
Lines: 14

#R:dartvax:-68300:whuxcc:29100001:000:240
whuxcc!rwu   Feb 10 17:55:00 1984

Just a minor point:
According to our local Apple-rep, ALL software, from Apple and from
third party developers, will come with a cassette, a tutorial diskette,
and a program diskette.

Ron Underwood
whuxcc!rwu
(201) 386-6064

From -4396693897193842309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b7701dfb7a7101c5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-10 18:22:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!
speaker
From: speaker@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Apple's Macintosh and Lisa...
Message-ID: <5085@umcp-cs.UUCP>
Date: Fri, 10-Feb-84 21:22:10 EST
Article-I.D.: umcp-cs.5085
Posted: Fri Feb 10 21:22:10 1984
Date-Received: Wed, 15-Feb-84 01:05:31 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 11

WELL?? Hasen't ANYONE got ANYTHING to say about them?

I'm going to wait till this summer or so and see what
these machines develop into. If a decent Unix
environment really materializes on Lisa/2 then I'm
sold.
--

- Speaker
speaker@umcp-cs
speaker.umcp-cs@CSnet-Relay

From -6378821772344974950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2eec1ebc72d0d45e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-11 19:25:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tesla.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!harpo!eagle!mhuxl!ihnp4!alberta!ubc-vision!uw-beaver!cornell!tesla!kinch
From: kinch@tesla.UUCP (Richard Kinch)
Newsgroups: net.micro.apple
Subject: Re: Apple University Consortium
Message-ID: <317@tesla.UUCP>
Date: Sat, 11-Feb-84 22:25:19 EST
Article-I.D.: tesla.317
Posted: Sat Feb 11 22:25:19 1984
Date-Received: Wed, 15-Feb-84 00:34:38 EST
Organization: Cornell Electrical Eng.
Lines: 25

Regarding the Apple University Consortium:

According to Computer Systems News (national trade newspaper), the Macintosh and Lisa systems will not be available at the academic discounts until late this summer.

Comment: That's a long time relative to the competition to be announcing a price/product point. The strategy with such promises usually is to stall potential purchasers of competitive equipment. But the last few years shows that not even IBM is to be believed in their solemn promises of what, when and how much.

The optimal economic arrangement would be to price the same computer proportionally to the worth to the consumer, rather than a fixed price for all customers. That's what the airlines approximate with their artificial travel restrictions on budget fares.

Unfortunately, the US law says you have to sell identical manufactured goods at the same price to everybody, no matter how the utility of your product varies among your customers. One of the few legal schemes to get around this is to sell computers at "academic" prices. The restriction is artificial, but it allows more computers to be sold to those who wouldn't buy at "regular" price, while requiring "regular" price from most of those who would be willing to pay more than the "academic" price.

From -7995300387286250316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a72dec48162d3173
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-12 21:40:59 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!zehntel!zps!digger
From: digger@zps.UUCP (Scott A. Miles)
Newsgroups: net.micro.apple
Subject: apple pascal: need help!
Message-ID: <158@zps.UUCP>
Date: Mon, 13-Feb-84 00:40:59 EST
Article-I.D.: zps.158
Posted: Mon Feb 13 00:40:59 1984
Date-Received: Thu, 9-Feb-84 14:14:20 EST
Lines: 10

I have an apple //e with ver. 1.1 pascal. I don't have any
documentation for the pascal disks. Could anyone help me
out if they could get me a copy of there manual. I will
most certainly pay for the copies and postage.

Thanks,

Scott Miles
zehntel!zps!digger

From -5682292977980060292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,86240267f5c4e112
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,86240267f5c4e112
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1984-02-12 22:57:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83 SMI; site sun.uucp
Path: utzoo!linus!decvax!decwrl!sun!gnu
From: gnu@sun.uucp (John Gilmore)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Mac dont need no slots!
Message-ID: <442@sun.uucp>
Date: Mon, 13-Feb-84 01:57:29 EST
Article-I.D.: sun.442
Posted: Mon Feb 13 01:57:29 1984
Date-Received: Thu, 9-Feb-84 08:06:53 EST
References: ukc.4069 <352@sytek.UUCP>
Organization: Sun Microsystems, Inc.
Lines: 10

While a 2MBit/sec serial port sounds good, how about a 250Kbyte/sec port --
or a 128Kword/sec serial port? You're not going to put "a card cage" out
there. (While main memory is only 500Kword/sec, this is for random
access, not a serial bit stream. Doing random access over the serial port
would slow it way down, away from "memory" speeds and into "disk" speeds.)
Also, this is "burst" hardware speed, assuming full speed DMA feeding it

continuously. Software overhead? What software overhead?

Also, if this port is really a Z8530, then it's only spec'd to go to 1MBit/sec,
at least in my data sheets.

From 126141249321249510
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 14f753,be1662170b5699f5
X-Google-Attributes: gid14f753,public
X-Google-Thread: 1622d3,be1662170b5699f5
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-13 07:30:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!decvax!mcnc!unc!rentsch
From: rentsch@unc.UUCP (Tim Rentsch)
Newsgroups: net.micro.apple,net.lang.st80
Subject: Re: MAC graphics controllable in terminal emulation?
Message-ID: <6745@unc.UUCP>
Date: Mon, 13-Feb-84 10:30:36 EST
Article-I.D.: unc.6745
Posted: Mon Feb 13 10:30:36 1984
Date-Received: Tue, 14-Feb-84 01:46:19 EST
References: <923@ritcv.UUCP>
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 7

I suppose everyone knows by now that Apple did a Smalltalk for the Lisa
(yes, I have seen Smalltalk actually running on a Lisa). If you're
interested, why not give your Apple salesman a call and ask when it will
be available and how much it will cost? It can't hurt . . .

Tim

From -5468913899987625890
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,748cf11d29ae8a9,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15cf62,748cf11d29ae8a9,start
X-Google-Attributes: gid15cf62,public
X-Google-ArrivalTime: 1984-02-14 07:01:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site vaxine.UUCP
Path: utzoo!linus!vaxine!ptw
From: ptw@vaxine.UUCP (P. T. Withington)
Newsgroups: net.micro.apple,net.rumor
Subject: Lisa/2, Mac's BIG BROTHER?
Message-ID: <190@vaxine.UUCP>
Date: Tue, 14-Feb-84 10:01:38 EST
Article-I.D.: vaxine.190
Posted: Tue Feb 14 10:01:38 1984

Date-Received: Wed, 15-Feb-84 00:46:24 EST
Organization: Automatix Inc., Billerica, MA
Lines: 20

... speaking of 1984.

Random Q's and A's:

Q: How much does Lisa/2 benefit from Mac's chips and other internals?
Same ROMs, IWM, PLA's or anything?

A: Yes the SCC is the Zilog chip, perhaps "2 meg serial" should be read "2
1 meg serial", for indeed it does support 2 serial ports. (But is it a
pain to program!)

Q: Will there be an external hard disk for Mac, or is the disk port too Sony?

Q: Who is working on Un*x for Mac? A Blit emulator Mac?

Q: Can anyone describe the "...undisclosed proprietary technique for
phase-locking the 68000 to less expensive memory..."? Does this mean they are
doing software refresh? Or is refresh handled by the video DMA?

-ptw

From 2772005628594164972
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,6001e22afab4de39,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 15517a,521c464ad187f991
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,6001e22afab4de39,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-14 13:48:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcsstat!rao
From: rao@utcsstat.UUCP (Eli Posner)
Newsgroups: net.micro.pc,net.micro.apple,net.micro
Subject: Mini Mac vs. Big Blue
Message-ID: <1727@utcsstat.UUCP>
Date: Tue, 14-Feb-84 16:48:17 EST
Article-I.D.: utcsstat.1727
Posted: Tue Feb 14 16:48:17 1984
Date-Received: Tue, 14-Feb-84 17:24:11 EST
References: <8034@arizona.UUCP>
Organization: U. of Toronto, Canada
Lines: 65

[]
I know that there has been discussions about the Mac lately, but I just
HAD to add my two cents in.

FEATURES	APPLE MACINTOSH	IBM PC
Microprocessor	68000 (32-bit)	8088 (16-bit)
Graphics processor	Included	Optional
Standard RAM	128K	64K
Monitor	9-in. gray screen (built-in)	Optional
Resolution	512 X 342 78 dots/in.	Depends on above
Monochrome Graphics	Yes	No
Colour Graphics	No	Depends on monitor
Keyboard	Detachable typewriter-style	Detachable typewriter-style
Function Keys	None	10
10-Key Pad	Optional	Yes
Mouse	Yes	Optional
Disk Drive	1 3.5-in. microdisk	1 5.25-in. floppy
Additional Drives	Optional	Optional
Disk Storage	400K per disk	320K per disk
Output Ports	5 built-in	Optional

Base Price $2,495 $2,824

I don't know about you , but I'M getting a Mac.
Send comments and corrections to :
--
Eli Posner
{allegra,ihnp4,linus,decvax}!utzoo!utcsstat!rao

From 4108063244396355551
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,748cf11d29ae8a9
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15cf62,748cf11d29ae8a9
X-Google-Attributes: gid15cf62,public
X-Google-ArrivalTime: 1984-02-15 14:29:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro.apple,net.rumor
Subject: Re: Lisa/2, Mac's BIG BROTHER?
Message-ID: <982@druxy.UUCP>
Date: Wed, 15-Feb-84 17:29:54 EST
Article-I.D.: druxy.982
Posted: Wed Feb 15 17:29:54 1984
Date-Received: Thu, 16-Feb-84 05:41:26 EST
References: <190@vaxine.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 41

Here are some answers to your questions.

[Anything in quotes is taken from "Apple 32: A Developer's Handbook",
draft 2/6/84 version 1.3]

> Q: How much does Lisa/2 benefit from Mac's chips and other internals?
> Same ROMs, IWM, PLA's or anything?

The Lisa 2 has "hardware advancements for media compatibility", which
means the incorporation of the Sony microfloppy. And, "operating
system and disk-performance improvements enable Lisa 2 Systems to load
and save documents 50 to 200 percent faster." The Mac ROM routines
that allow the Lisa 2 to run Mac software are not in ROM in the Lisa 2.
I have not read about any improvements to the Lisa motherboard.

> A: Yes the SCC is the Zilog chip, perhaps "2 meg serial" should be read "2
> 1 meg serial", for indeed it does support 2 serial ports. (But is it a
> pain to program!)

Between all the articles I've read, I've seen 1Mbit, 1Mbyte, 2Mbyte and
even 4Mbyte. But, in fact, you are correct. Apple says "1MBaud with
external clocking", and if one signal change is one bit, then 1Mbit
is correct.

> Q: Will there be an external hard disk for Mac, or is the disk port too Sony?

Hard disks are already in the works from Davong and Tecmar. It isn't
clear to me whether they are to use the external disk port, or one
of the serial ports. I would hope they use the disk port, since the
controller is already set up for that port, and the two serial ports
are *supposed* to be for a modem and a printer.

> Q: Who is working on Un*x for Mac? A Blit emulator Mac?

I'd like an answer to this one, too. As I understand it, unlike the
Lisa 2, the Mac was not designed to handle multiple processes. So, I
don't know if these things are feasable.

     Ray Davis   AT&T Information Systems Laboratories   Denver
     {ihnp4|hogpc}!druxy!bees   (303)538-3991

From -2144340960590787895
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b70dd4ad3c59b253,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-16 06:41:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site burl.UUCP
Path: utzoo!watmath!clyde!burl!scc
From: scc@burl.UUCP (SALLY CATENA)
Newsgroups: net.micro.apple
Subject: apple II+ termcap
Message-ID: <413@burl.UUCP>
Date: Thu, 16-Feb-84 09:41:21 EST
Article-I.D.: burl.413
Posted: Thu Feb 16 09:41:21 1984
Date-Received: Fri, 17-Feb-84 02:53:06 EST
Organization: AT&T Technologies; Burlington, NC
Lines: 7

I am looking for a termcap for an apple II+ which only has a com
card and a 300 or 1200 baud modem. I would also appreciate the
termcap for this same set up adding a videx videoterm card. I will
appreciate any info I receive.

                                Sally Catena
                                burl!scc

From 5085596596462245711
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,2865582e8377e95b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-16 11:49:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!dartvax!stevel
From: stevel@dartvax.UUCP (Steve Ligett)
Newsgroups: net.micro.apple
Subject: Macintosh Madness/Apple Answers
Message-ID: <730@dartvax.UUCP>
Date: Thu, 16-Feb-84 14:49:56 EST
Article-I.D.: dartvax.730
Posted: Thu Feb 16 14:49:56 1984
Date-Received: Sat, 18-Feb-84 01:37:02 EST
Organization: Dartmouth College
Lines: 29

Reading the sack of articles that DECVAX recently sent us, I saw many questions about the Mac. Here are some answers/opinions: (First, my biases: I own an IBM PC; use an XT, Lisa, and Mac at work. The Mac is my favorite.)

Serial ports: AppleBus will run on one port at 230kb. The other port will run at a lower speed, such as for the Imagewriter. Initially, AppleBus will share disks and laser printers. You may run either port at a higher speed, if You can. The 230kb is all that is guaranteed to the unconscious programmer. (The nine pins are GND, +5, GND, TXD+, TXD-, +12, HNDSK/CLK, RXD+, RXD-. The +5 and +12 are signals; not for power.)

Imagewriter: The printer has about twice the dots per inch (144? vs 72?) that the screen does. Output will show jaggies if the fonts you use aren't available in twice the size that you use. (That is, if you use "12 point", the "24 point" font will be used for the printed output if it's there.) The output is good enough to send home to mom, though not as good as my (daisy wheel) Oligetti on my IBM. But the Oligetti don't do pictures ...

Single disk systems aren't bad for single applications. Having MacWrite and MacPaint on one disk with several documents is. The disks are a lot easier to swap than 5 1/4" ones - they don't bend. (Buy two drives.)

What would a college student do with a Mac? Most of our time-sharing use is word-processing; MacWrite/MacPaint would handle a large part of that work. By fall, more complete word processing packages will be available.

Mac vs IBM PC: a single drive PC (w graphics) lists for $147 less than a Mac (about the price of a b&w monitor and cable). A Mac gives you a lot less hardware and a Lot more design for the money. A PC comes without an OS, a Mac without a language. By summer, more Mac programs will be available than I will ever need - and MacPaint will Never be available for the PC...

Steve; (linus or decvax)!dartvax!stevel or S Ligett/Kiewit/Hanover, NH 03755

From -8036075901456725363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2eec1ebc72d0d45e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-16 14:16:14 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rlgvax!cvl!kinch@tesla.UUCP
From: kinch@tesla.UUCP@cvl.UUCP (kinch@tesla.UUCP)
Newsgroups: net.micro.apple
Subject: Re: Apple University Consortium
Message-ID: <836@cvl.UUCP>
Date: Thu, 16-Feb-84 17:16:14 EST
Article-I.D.: cvl.836
Posted: Thu Feb 16 17:16:14 1984
Date-Received: Sat, 18-Feb-84 03:34:36 EST
Sender: gyuri@cvl.UUCP
Organization: U. of Md. Computer Vision Lab
Lines: 25

Regarding the Apple University Consortium:

According to Computer Systems News (national trade newspaper), the Macintosh and Lisa systems will not be available at the academic discounts until late this summer.

Comment: That's a long time relative to the competition to be announcing a price/product point. The strategy with such promises usually is to stall potential purchasers of competitive equipment. But the last few years shows that not even IBM is to be believed in their solemn promises of what, when and how much.

The optimal economic arrangement would be to price the same computer proportionally to the worth to the consumer, rather than a fixed price for all customers. That's what the airlines approximate with their artificial travel restrictions on budget fares.

Unfortunately, the US law says you have to sell identical manufactured goods at the same price to everybody, no matter how the utility of your product varies among your customers. One of the few legal schemes to get around this is to sell computers at "academic" prices. The restriction is artificial, but it allows more computers to be sold to those who wouldn't buy at "regular" price, while requiring "regular" price from most of those who would be willing to pay more than the "academic" price.

From 8154246392158802663
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,38127f1ce2e525ce
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,748cf11d29ae8a9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-17 06:25:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wu1.UUCP
Path: utzoo!linus!decvax!genrad!grkermit!masscomp!clyde!floyd!cmcl2!rocky2!
cubsvax!wu1!rf

From: rf@wu1.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Lisa/2, Mac's BIG BROTHER? & what to use the MAC for
Message-ID: <251@wu1.UUCP>
Date: Fri, 17-Feb-84 09:25:12 EST
Article-I.D.: wu1.251
Posted: Fri Feb 17 09:25:12 1984
Date-Received: Sun, 19-Feb-84 05:48:11 EST
References: <311@tesla.UUCP> <1685@rlgvax.UUCP>, <273@dual.UUCP>,
<190@vaxine.UUCP>
Organization: Western Union Telegraph, Mahwah, NJ
Lines: 26

In answer to Mats Wichman (dual!mats):

> What strikes me is that we have the potential for a real
> impressive intelligent terminal here. Has anyone thought of
> doing for the Macintosh what Bell did for the BLIT?

And in answer to ? (vaxine!ptw):

> Q: Will there be an external hard disk for Mac, or is the
> disk port too Sony?
>
> Q: Who is working on Un*x for Mac? A Blit emulator Mac?

In an interview Stephen Jobs of Apple said that Apple may
provide Unix workstation capability for the Macintosh. He also
mentioned a "disk server" -- a hard disk with a file mangament
software connected to a Macintosh network.

Possibly a "network computer" similar to the Sun Microsystems
and Cadmus products is in the works. Un*x for a stand alone
Macintosh is unlikely -- while a Macintosh is a fine personal
computer, the Macintosh hardware is unsuited to timesharing.

Randolph Fritz
Western Union Telegraph

From 8568673192304109717
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ad63884315dbaf53
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-17 14:43:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site astrovax.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!astrovax!elt
From: elt@astrovax.UUCP (Ed Turner)
Newsgroups: net.micro.apple
Subject: Re: Is the Macinstosh really useful?
Message-ID: <219@astrovax.UUCP>
Date: Fri, 17-Feb-84 17:43:18 EST

Article-I.D.: astrovax.219
Posted: Fri Feb 17 17:43:18 1984
Date-Received: Sat, 18-Feb-84 05:23:58 EST
References: <1699@rlgvax.UUCP>
Organization: Princeton Univ. Astrophysics
Lines: 6

To amplify this article's point: What is the real market for the Mac?
I fear that it is to cutsy and of too limited a database capability
(i.e., slow rates through the external ports) for the business market on
the one hand and too expensive for the educational/home computing
markets on the other. I hope I'm wrong. In many ways it is a rather
beautiful machine.

From 6338600054190571298
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,5c9e559ec2f235c7,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,5c9e559ec2f235c7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-17 19:36:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!seismo!hao!hplabs!hpda!fortune!wdl1!jbn
From: jbn@wdl1.UUCP (John B. Nagle)
Newsgroups: net.micro.pc,net.micro.apple
Subject: RS-422 for IBM PC?
Message-ID: <161@wdl1.UUCP>
Date: Fri, 17-Feb-84 22:36:39 EST
Article-I.D.: wdl1.161
Posted: Fri Feb 17 22:36:39 1984
Date-Received: Sun, 19-Feb-84 05:42:49 EST
Lines: 4

     Does anyone know of a synchronous communications board for the
IBM PC that is or can be made to run at high (>100KB) rates?
The idea is to talk to the Mac, obviously.

From 6029712790277817417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d47b59a57344e3d2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-17 21:32:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!speaker
From: speaker@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Macintosh defeats IBM?
Message-ID: <5262@umcp-cs.UUCP>
Date: Sat, 18-Feb-84 00:32:25 EST

Article-I.D.: umcp-cs.5262
Posted: Sat Feb 18 00:32:25 1984
Date-Received: Sun, 19-Feb-84 02:48:13 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 13

I agree with all of you that Macintosh and Lisa/2 are neat and
snaz-ee machines and wonderful to look at on the inside. But
these are techy raves.

It will take more than a superior technology to defeat IBM...
just as IBM was capable of capturing the market with an
inferior technology.

Remember that IBM already has a huge client base and an even larger
VAD and retail/service network for its PC.

Technology alone won't save Apple... nor will it defeat IBM
(but we can hope and pray heh heh).

From -4672719294436946526
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,226fe34604b4a765,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-18 10:42:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!lipman
From: lipman@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: id AA27527; Sat, 18 Feb 84 10:42:16 pst
Message-ID: <5683@decwrl.UUCP>
Date: Sat, 18-Feb-84 13:42:27 EST
Article-I.D.: decwrl.5683
Posted: Sat Feb 18 13:42:27 1984
Date-Received: Sun, 19-Feb-84 03:08:56 EST
Sender: lipman@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 17

Message-Id: <8402181842.AA27527@decwrl.uucp>
Date: Saturday, 18 Feb 1984 10:42:35-PST
From: dosadi::binder (Wanted: A good five-cent nickel)
To: net.micro.apple, net.micro, applenet, micronet
Subject: Wanted: info about ANIX

Does anyone have documentation for an operating system called ANIX?
I have a disk but not the documentation. It's a product of Systems,
my copy is for the Apple][.

Please reply directly through the net or by telephone.

- Dick Binder
decvax!decwrl!rhea!dosadi!binder
(617) 486-6363 (0815-1700 EST weekdays)

Thanx.

From -1919880625380906787
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7a84e6fa9bdf0882,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-18 17:25:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: What about mouse for II+?
Message-ID: <553@ihuxn.UUCP>
Date: Sat, 18-Feb-84 20:25:00 EST
Article-I.D.: ihuxn.553
Posted: Sat Feb 18 20:25:00 1984
Date-Received: Sun, 19-Feb-84 08:02:50 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 21

I am developing software for the Apple II/II+/IIe and I have an old revision 4
Apple II+ (1980) I am interested in getting a mouse to make a Mac-like,
icon-based menu system. Reports say that Apple is coming out with a mouse and
accompanying software for the II family (MouseDraw, or something)

There is a connector on the back of the IIe that looks suspiciously like the
Macintosh's mouse connector. Ten to one the mouse plugs in there. But -- I
only have a traditional joystick connector...

    Is it possible for me to get a Mouse?
    Do I need any special adapters?
    How does software read it - like a joystick?

Thanks in advance.

--

Jonathan Dubman - care of:

         Mort Dubman   AT&T Bell Laboratories
         ihnp4!ihuxn!mort   Naperville, IL.

From 7635967561552803066
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d25a79bc0c3d55d,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-02-18 18:11:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: 3 1/2 Drive for Apple II+
Message-ID: <554@ihuxn.UUCP>
Date: Sat, 18-Feb-84 21:11:40 EST
Article-I.D.: ihuxn.554
Posted: Sat Feb 18 21:11:40 1984
Date-Received: Sun, 19-Feb-84 08:03:51 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 13

I know that Apple is coming out with a 3 1/2 inch micro-floppy disk drive for use with the Apple II/II+/I We could all benefit from increased storage, increased reliability, and the smaller, more foolproof disks. Des anyone have any info on these new drives: Software compatibility (ProDos?), price, storage, etc?

I
--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From 5019639401070700334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,38127f1ce2e525ce
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,748cf11d29ae8a9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-19 10:37:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1a 12/4/83; site rlgvax.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!guy
From: guy@rlgvax.UUCP (Guy Harris)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Lisa/2, Mac's BIG BROTHER? & what to use the MAC for
Message-ID: <1734@rlgvax.UUCP>
Date: Sun, 19-Feb-84 13:37:25 EST
Article-I.D.: rlgvax.1734
Posted: Sun Feb 19 13:37:25 1984
Date-Received: Mon, 20-Feb-84 02:20:04 EST
References: <311@tesla.UUCP> <1685@rlgvax.UUCP>, <273@dual.UUCP>, <190@vaxine.UUCP> <251@wu1.UUCP>
Organization: CCI Office Systems Group, Reston, VA
Lines: 18

> Possibly a "network computer" similar to the Sun Microsystems
> and Cadmus products is in the works. Un*x for a stand alone
> Macintosh is unlikely -- while a Macintosh is a fine personal
> computer, the Macintosh hardware is unsuited to timesharing.

So who said anything about "timesharing"? UNIX does timesharing well but
it is available on a *number* of single-user machines, including (surprise,
surprise) Sun and Cadmus (as well as IBM, remember?). The Macintosh hardware
is unsuited to multitasking; I believe it doesn't have any memory mapping
hardware (the 8086 family (N < 80286) sort of has it, so you can fake it
well enough). Nor does the MAC have the hard disk that UNIX requires (because
UNIX goes to the disk so often, because the standard V7 filesystem used by most
UNIX implementations moves the heads too much, and because there's so *much*
of UNIX that you'd have to wrap your floppy in duct tape before putting UNIX
on it).

     Guy Harris
     {seismo,ihnp4,allegra}!rlgvax!guy

From 5546150626257618369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d47b59a57344e3d2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-20 06:41:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxm.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihuxm!brp
From: brp@ihuxm.UUCP (B.R. Priest)
Newsgroups: net.micro.apple
Subject: Re: Macintosh defeats IBM?
Message-ID: <884@ihuxm.UUCP>
Date: Mon, 20-Feb-84 09:41:33 EST
Article-I.D.: ihuxm.884
Posted: Mon Feb 20 09:41:33 1984
Date-Received: Tue, 21-Feb-84 04:05:13 EST
References: <5262@umcp-cs.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 9

What are you talking about? I don't believe it is apple's
intention to "defeat" IBM. I believe that they want to compete
with IBM. They are not fools. Defeating IBM is an impossible task.
Apple has provided in the Mac an excellent alternative to the IBM
 so-called standard.

                            Ben Priest
--
!ihuxm!brp

From -4793815259266631926
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,2eec1ebc72d0d45e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-20 09:00:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: Re: Apple University Consortium
Message-ID: <992@druxy.UUCP>
Date: Mon, 20-Feb-84 12:00:22 EST
Article-I.D.: druxy.992
Posted: Mon Feb 20 12:00:22 1984
Date-Received: Tue, 21-Feb-84 07:26:08 EST
References: <836@cvl.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 15

> Unfortunately, the US law says you have to sell identical
> manufactured goods at the same price to everybody, no matter how
> the utility of your product varies among your customers. One of
> the few legal schemes to get around this is to sell computers at
> "academic" prices. The restriction is artificial, but it allows
> more computers to be sold to those who wouldn't buy at "regular"
> price, while requiring "regular" price from most of those who
> would be willing to pay more than the "academic" price.

Then how does Apple get away with giving discounts to Certified
Apple Developers? Lots of companies do this!

     Ray Davis   AT&T Information Systems Laboratories   Denver
     {ihnp4|hogpc}!druxy!bees   (303)538-3991

From -360463017456948832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2eec1ebc72d0d45e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-20 15:14:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mit-vax.UUCP
Path: utzoo!linus!decvax!genrad!mit-eddie!mit-vax!russ
From: russ@mit-vax.UUCP (Russell Finn)
Newsgroups: net.micro.apple
Subject: Re: Apple University Consortium
Message-ID: <840@mit-vax.UUCP>
Date: Mon, 20-Feb-84 18:14:55 EST
Article-I.D.: mit-vax.840
Posted: Mon Feb 20 18:14:55 1984
Date-Received: Tue, 21-Feb-84 04:56:03 EST
References: <836@cvl.UUCP>
Organization: MIT, Cambridge, MA

Lines: 18

Now, this is completely speculation on my part, but . . . could it be
that the reason that the educational discount won't be available
until fall is that by then Apple may be able to lower the list price
on the Mac -- say to $2000? After all, their robot factory should be
up to full speed by then. Perhaps at that point the "discount" won't
be so great (and perhaps the dealers won't be so upset).

Me personally, I'd consider buying one for $2500, if I had the money.
But by the time I do have the money, the discount program will have
started -- at which point I'll seriously consider making friends with
a Harvard or Boston College student . . .

(My alma mater MIT is currently not a member of the consortium -- no
doubt because of their involvement with IBM and DEC on Project Athena;
they're going to be up to their hips in IBM PC's and Pro 350's before long.)

Russell Finn
..!mit-vax!russ

From 2390378717610914757
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87ebf01c6ceeff9d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-20 18:47:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs7!
ee163abs
From: ee163abs@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Apple modem7
Message-ID: <1160@sdccs7.UUCP>
Date: Mon, 20-Feb-84 21:47:53 EST
Article-I.D.: sdccs7.1160
Posted: Mon Feb 20 21:47:53 1984
Date-Received: Sat, 3-Mar-84 04:00:40 EST
Organization: U.C. San Diego, Computer Center
Lines: 6

 Is there a MODEM7 program available for the //e w/ 80 col., Hayes 1200
 with CCS serial board. I have a copy of modem7 but appartenly the
 80 col is too slow.

  Ron Breger

From -4427899975634993793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7518c797558576cb,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-20 21:35:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site uwvax.ARPA
Path: utzoo!watmath!clyde!floyd!harpo!seismo!uwvax!anderson
From: anderson@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: AZTEC C terminal drivers
Message-ID: <144@uwvax.ARPA>
Date: Tue, 21-Feb-84 00:35:51 EST
Article-I.D.: uwvax.144
Posted: Tue Feb 21 00:35:51 1984
Date-Received: Fri, 17-Feb-84 03:49:22 EST
Organization: U of Wisconsin CS Dept
Lines: 13

After a few hours hacking at the source of AZTEC's terminal dev-
ice drivers, I have succeeded in using a serial port (on a card
with no firmware) as the interface to the "console". Thus I can
use my CRT terminal. If anyone wants to know how to do this, let
me know. It's great have C, shell, ved, etc. running on my very
own Apple!

Has anyone out there written either a file transfer program
to/from UNIX, or a word processor designed for an MX-80? If not,
I plan on doing these at some point.

David Anderson (anderson@uwvax)
U. Wisc. Comp. Sci.

From -6697927185888412950
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1afbf7bd3fb16f3d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-21 09:46:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houem.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houem!gtp
From: gtp@houem.UUCP (G.PECKHAM)
Newsgroups: net.micro.apple
Subject: APPLE II AMBER MONITOR for sale
Message-ID: <236@houem.UUCP>
Date: Tue, 21-Feb-84 12:46:25 EST
Article-I.D.: houem.236
Posted: Tue Feb 21 12:46:25 1984
Date-Received: Wed, 22-Feb-84 02:13:44 EST
Organization: Bell Labs, Holmdel NJ
Lines: 15

Brand new APPLE II monitor (monochrome - amber) for sale.

The monitor is still in the box and a one year warranty

is included.

Should work with other systems.

Asking $150

Gary Peckham
ihnp4!houxf!houem!gtp

Holmdel, NJ.
work (201) 949-1831
home (201) 367-1688

From 3412066761491797063
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a144736c878bba04,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-21 19:35:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!eagle!allegra!alice!rabbit!pdc
From: pdc@rabbit.UUCP (Pete Campbell)
Newsgroups: net.micro.apple
Subject: modem kit
Message-ID: <2527@rabbit.UUCP>
Date: Tue, 21-Feb-84 22:35:57 EST
Article-I.D.: rabbit.2527
Posted: Tue Feb 21 22:35:57 1984
Date-Received: Wed, 22-Feb-84 08:20:52 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 3

Does anyone know where I could get a modem kit? Reply by mail
if you please. Thanks.
Pete

From -8674594764642498816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,bf121c25f9414dc0,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,bf121c25f9414dc0,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,bf121c25f9414dc0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-22 10:11:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site denelcor.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!denelcor!pking
From: pking@denelcor.UUCP (P. King)
Newsgroups: net.micro,net.micro.apple,net.wanted

Subject: Apple Macintosh Mag. Info. Wanted
Message-ID: <339@denelcor.UUCP>
Date: Wed, 22-Feb-84 13:11:55 EST
Article-I.D.: denelcor.339
Posted: Wed Feb 22 13:11:55 1984
Date-Received: Thu, 23-Feb-84 06:18:45 EST
Organization: Denelcor, Aurora, CO
Lines: 10

A while back I saw (probably in net.micro) mention of
a magazine similar to "PC Magazine" but concerned with
the Apple Macintosh. I would like some information
on this (availability). Please respond by mail, unless
the whole world will be interested in your commentary.

Thanks in advance (as we always say)
P. King (...!hao!denelcor!pking)

From -2853599281039241701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a144736c878bba04
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-22 13:08:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-sally.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!ut-sally!canas
From: canas@ut-sally.UUCP (Daniel Canas)
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal help.
Message-ID: <985@ut-sally.UUCP>
Date: Wed, 22-Feb-84 16:08:56 EST
Article-I.D.: ut-sally.985
Posted: Wed Feb 22 16:08:56 1984
Date-Received: Thu, 23-Feb-84 05:49:08 EST
References: <2527@rabbit.UUCP>
Organization: U. Texas CS Dept., Austin, Texas
Lines: 13

My wife is taking a Pascal course and she is using our Apple to run her
programs. Her instructor requires that anything that comes out on the
Monitor (With interactive programs) to be also printed on the line
printer. The only way I've been able to do this is by having to
write statements, one to the console and another to the printer. Is
there an easier way to do it? Maybe declare the file to two output
devices??

Daniel.
canas@utsally
--
Daniel Canas, Computer Sciences Dept. University of Texas at Austin,
{ihnp4,kpno,ut-ngp}!ut-sally!canas

From -6537342965404395294
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c5dd,60875641e43d491c,start
X-Google-Attributes: gid12c5dd,public
X-Google-Thread: 1622d3,60875641e43d491c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-22 17:36:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watrose.UUCP
Path: utzoo!watmath!watrose!gngladstone
From: gngladstone@watrose.UUCP (Gary Gladstone)
Newsgroups: net.micro.apple,net.religion.jewish
Subject: Jewish Software
Message-ID: <6550@watrose.UUCP>
Date: Wed, 22-Feb-84 20:36:32 EST
Article-I.D.: watrose.6550
Posted: Wed Feb 22 20:36:32 1984
Date-Received: Thu, 23-Feb-84 06:02:13 EST
Organization: U of Waterloo, Ontario
Lines: 9

I own an APPLE II+ computer and I am interested in picking up some software
to generate Hebrew characters, and to play games based on Jewish Holidays.
Has anyone tried out any software, and/or where could I get some from?
Is it copyable?
Thanx for any help,

--
                              Gary Gladstone
                              ...watmath!watrose!gngladstone

From 4382986197144504479
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,87b7a27a3155c746,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-23 10:13:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site vaxine.UUCP
Path: utzoo!linus!vaxine!dfg
From: dfg@vaxine.UUCP (Dan Goessling)
Newsgroups: net.micro.apple
Subject: help (printers)
Message-ID: <200@vaxine.UUCP>
Date: Thu, 23-Feb-84 13:13:47 EST
Article-I.D.: vaxine.200
Posted: Thu Feb 23 13:13:47 1984
Date-Received: Sat, 25-Feb-84 02:02:37 EST
Organization: Automatix Inc., Billerica, MA
Lines: 12

I need help in hooking a printer to my Apple][+.
I am planning on buying an Okidata 92 printer and hooking
it up to my Apple parallel printer interface card.
The manual for the Okidata says that the interface card
must have the P1 PROM in place for the printer to work
correctly. My card has a P9 PROM. I haven't found a
local dealer who has the P1. Can anyone out there tell
me where I could find a P1 and also maybe explain
what this PROM does.

Thanks in advance.

From 1153708953391271305
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c5dd,60875641e43d491c
X-Google-Attributes: gid12c5dd,public
X-Google-Thread: 1622d3,60875641e43d491c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-23 10:40:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dave
From: dave@utcsrgv.UUCP (Dave Sherman)
Newsgroups: net.micro.apple,net.religion.jewish
Subject: Re: Jewish Software
Message-ID: <3351@utcsrgv.UUCP>
Date: Thu, 23-Feb-84 13:40:17 EST
Article-I.D.: utcsrgv.3351
Posted: Thu Feb 23 13:40:17 1984
Date-Received: Thu, 23-Feb-84 14:30:52 EST
References: <6550@watrose.UUCP>
Organization: The Law Society of Upper Canada, Toronto
Lines: 8

The Canadian Jewish News carried an ad last December for "Chanukah
games" avaulable for the popular micros. I believe the company
selling them was in Winnipeg. If I can dredge up any further information
I'll post it.

Dave Sherman
--
 {allegra,cornell,decvax,ihnp4,linus,utzoo}!utcsrgv!dave

From 2871707743254571117
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12c5dd,60875641e43d491c
X-Google-Attributes: gid12c5dd,public
X-Google-Thread: 1622d3,60875641e43d491c
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-24 06:00:31 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site linus.UUCP
Path: utzoo!linus!sb
From: sb@linus.UUCP (Shimshon Berkovits)
Newsgroups: net.micro.apple,net.religion.jewish
Subject: Re: Jewish Software
Message-ID: <751@linus.UUCP>
Date: Fri, 24-Feb-84 09:00:31 EST
Article-I.D.: linus.751
Posted: Fri Feb 24 09:00:31 1984
Date-Received: Sat, 25-Feb-84 02:59:45 EST
References: <6550@watrose.UUCP> <3351@utcsrgv.UUCP>
Organization: MITRE Corp., Bedford MA
Lines: 11

This follow-up is most timely. Last Purim I heard of an Apple program which displayed the Megillah for sing-along use. In keeping with the spirit of Purim, the program was supposedly repleat with sound effects and graphics (Haman actually gets hung). Does anyone know the source?

There is also someone in the Greater Boston area advertising Beginning Hebrew software. If there is any interest, I can track it down.

Shim(shon) Berkovits, MITRE, Bedford, MA sb@linus.UUPC

From 3156103551392940835
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b05a7aa398712efd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-24 11:55:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!lipman
From: lipman@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: accessing non-Apple format files.
Message-ID: <5806@decwrl.UUCP>
Date: Fri, 24-Feb-84 14:55:38 EST
Article-I.D.: decwrl.5806
Posted: Fri Feb 24 14:55:38 1984
Date-Received: Sat, 25-Feb-84 04:14:33 EST
Sender: lipman@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 31

From: delphi::malik (Karl Malik ZK1-1/D42)
Subj; Accessing non-Apple format files

I have a commericial software package that writes non-apple format files to disk.

I'd love to be able to edit the stuff in the files but don't

know how to go about it. I can't LOAD OR BLOAD the files. I can copy them using FID.

CATALOG lists them as having V format (or was it X?). At any rate, it doesn't recognize them.

So, what I'd like is to be able to open the files, get a record from them, be able to perform operations on that record, and write it back to the file (or a new copy of it). To begin with, I'd just like to display the record in ASCII, so I can figure out its structure. (Can be done with BASIC or assembly)

Any suggestions? Any software available that can do this for me? I'm aware that there are programs that will dump disk sectors, but I'm not clear on how that relates to wanting to read records.

While I have programmed in assembly for other systems, I am still fairly naive about Apple concepts, so please spell everything out in long-hand.

All help appreciated.

,Karl Malik
...decvax!decwrl!rhea!star!malik

From 7042033547949955094
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e4ad5a1ec1f879dc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-24 11:58:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!lipman
From: lipman@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: addendum
Message-ID: <5807@decwrl.UUCP>
Date: Fri, 24-Feb-84 14:58:50 EST
Article-I.D.: decwrl.5807
Posted: Fri Feb 24 14:58:50 1984
Date-Received: Sat, 25-Feb-84 04:14:48 EST
Sender: lipman@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 7

From: delphi::malik (Karl Malik ZK1-1/D42)
Subj; errata to request for help with non-Apple format files.

Oops. Forgot to mention what kind of Apple I have. Its just an Apple II+ with standard 3.3 DOS.

- karl

From -9202147108377616702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,df23da04d933012a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-24 11:59:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxw.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihuxw!gmd
From: gmd@ihuxw.UUCP (George MacDonald)
Newsgroups: net.micro.apple
Subject: Has Anybody Seen MACTERM
Message-ID: <722@ihuxw.UUCP>
Date: Fri, 24-Feb-84 14:59:13 EST
Article-I.D.: ihuxw.722
Posted: Fri Feb 24 14:59:13 1984
Date-Received: Sat, 25-Feb-84 04:26:14 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 11

Has anyone in net.appleland seen MACTERM running? In particular
I'm looking for the VT100 emulation and am not buying my MAC till
I know this works. According to a local comp. store MACTERM is being
beta tested and is due out very soon(like end of Feb.). It looks
very similar to LISATERM from the documentation. Has anybody found
any problems with useing the VT100 emulation on the LISA?

Thanks in advance
George MacDonald
ATT Bell Labs

From -1636711066509146133
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aba03d9a0c3b8826,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-24 20:32:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watrose.UUCP
Path: utzoo!watmath!watrose!gngladstone
From: gngladstone@watrose.UUCP (Gary Gladstone)
Newsgroups: net.micro.apple
Subject: TERMCAP FOR APPLE II +
Message-ID: <6559@watrose.UUCP>
Date: Fri, 24-Feb-84 23:32:20 EST
Article-I.D.: watrose.6559
Posted: Fri Feb 24 23:32:20 1984
Date-Received: Sat, 25-Feb-84 08:07:04 EST
Organization: U of Waterloo, Ontario
Lines: 28

Thanks to everyone who sent in termcaps.
The following is a summary of the termcaps for an APPLE II
Apple][with smarterm
```
a2|apple|apple80|\
     :am:bs:bt=^R:cd=10*^K:ce=3^]:cm=^^%r%+ %+ :cl=15*^L:co#40:\
     :dc=^H:dl=3^X:do=^J:ho=^Y:li#24:nd=^\\:pt:up=^_:\
     :se=^O:so=^N:
```
I use ASCII Pro Express on my Apple II+ with 300 bps
Hayes Micromodem. I set ASCII Pro Express to emulate
a vt52 and use the following termcap:

```
apple|apple II running ascii express pro--vt52:\
        :bs:\
        :co#80:\
        :li#24:\
        :up=\EA:\
        :nd=\EC:\
        :ce=\EK:\
        :cl=300^L:\
        :cd=\EJ:\
        :ho=\EH:\
        :cm=\EY%+ %+ :
```

--

Gary Gladstone
...watmath!watrose!gngladstone

From 3293960331333459488
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,75900f72ef34739e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-26 10:20:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!lanl-a!unm-cvax!josh
From: josh@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: To all GOOD DOS hackers
Message-ID: <718@unm-cvax.UUCP>
Date: Sun, 26-Feb-84 13:20:44 EST
Article-I.D.: unm-cvax.718
Posted: Sun Feb 26 13:20:44 1984
Date-Received: Mon, 27-Feb-84 08:33:16 EST
Organization: Univ. of New Mexico, Albuquerque
Lines: 16

  Hello,
I am looking for somebody out there who knows A LOT about DOS for the
apple. He must know how the tracks are written and how to write

a program to read the tracks without using any existing DOS. He/She
must also know 6502. It would also help if you have written some form
of disk protection software.
 If you know anything about the above mentioned, please send mail to
me and i will send back. The project is to write a disk protection
program to be used on the apple.
 Thanks for any help anybody can give me...

          Josh siegel
        University of New Mexico

 {parsec,ucbvax,gatech,aml-mcs,csu-cs,anl-mcs,lanl-a}!unmvax!unm-cvax!josh

From -5633525790494425516
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 159752,e0946f9c2236122,start
X-Google-Attributes: gid159752,public
X-Google-Thread: 1622d3,e0946f9c2236122,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-26 15:42:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!mcnc!ecsvax!mas
From: mas@ecsvax.UUCP
Newsgroups: net.sources,net.micro.apple
Subject: uniq.c for Apple Aztec C system
Message-ID: <2057@ecsvax.UUCP>
Date: Sun, 26-Feb-84 18:42:33 EST
Article-I.D.: ecsvax.2057
Posted: Sun Feb 26 18:42:33 1984
Date-Received: Mon, 27-Feb-84 00:08:53 EST
Lines: 125


```
================================================================================
/* uniq - report repeated lines in file */

#include "stdio.h"
#define TRUE  1
#define FALSE 0
#define MAXLINE 256
#define NL    '\n'
#define EOS   '\0'

int count, oneonly, duponly;
char linebuf[2][MAXLINE];

main(argc, argv)
int argc ;
char *argv[] ;
{
        char *s ;
```

```
        FILE *input ;

        count = oneonly = duponly = FALSE ;
        while( --argc>0 && **++argv == '-' )
                for( s= &argv[0][1] ; *s != EOS ; s++ )
                        switch( *s ) {
                   case 'u':
                        oneonly = TRUE;
                        break ;
                   case 'd':
                        duponly = TRUE;
                        break ;
                                case 'c':
                                        count = TRUE ;
                                        break ;
                                default:
                                        fprintf(stderr, "uniq: unknown option
%c\n", *s ) ;
                                        argc = -1 ;
                                        break ;
                        }

        if( argc < 0 ) {
                fprintf(stderr, "usage: uniq [ -udc ] files\n");
                exit(1) ;
        }

     if (oneonly && duponly)
          oneonly = duponly = FALSE;

        if( argc == 0 )
                uniq( stdin ) ;
        else
                for( ; argc>0 ; argc--,argv++)
                        if( (input=fopen(*argv,"r")) == NULL ) {
                                fprintf(stderr, "uniq: can't open %s\n", *argv) ;
                                exit(1) ;
                        }
                        else {
                                uniq( input ) ;
                                fclose( input ) ;
                        }

        exit(0) ;

} /* end main */


/* uniq - report repeated lines in file */

uniq( in )
FILE *in ;
{
```

```
     int nreps, p ; /* p keeps track of the buffer that is getting
               current input then switches when lines aren't equal*/
     nreps = p= 1;
        if (getline(linebuf[0],in) == EOF)
         return;
     while(getline(linebuf[p],in) !=EOF ){
          if (strcmp(linebuf[0],linebuf[1])==0)
          nreps++;
          else {
               putlin(nreps,(p?--p:++p));
               nreps=1;
          }
     }
          putlin(nreps,(p?--p:++p));
} /* end uniq */


/* putlin */

putlin( cts, bufno )
int cts, bufno ;
{
     if ((oneonly && cts > 1) || (duponly && cts ==1))
          return;
     if (count)
     fprintf(stdout,"%3d",cts);
     fprintf(stdout,"%s",linebuf[bufno]);

}/* end putlin */


/* getline - read input line
from net.sources ihuxl.740 sort.c by Dave Newkirk*/

getline( ptr, input )
char *ptr ;
FILE *input ;
{
        int c ;
        char *bufptr ;

        bufptr = ptr ;

        while( (c=agetc(input)) != NL ) {
                if( c == EOF )
                        return EOF ;
                *bufptr++ = c ;
        }

        *bufptr++ = NL ;
        *bufptr++ = EOS ;
        return bufptr - ptr ;
```

```
} /* end getline */


From -6305250659550402286
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13bddc,7eedac4514f54aac,start
X-Google-Attributes: gid13bddc,public
X-Google-Thread: 1622d3,7eedac4514f54aac,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-28 14:33:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: ih.micro,net.micro.apple
Subject: PCPI Appli-Card(tm) and the Apple //e(tm)
Message-ID: <656@ihuxp.UUCP>
Date: Tue, 28-Feb-84 17:33:32 EST
Article-I.D.: ihuxp.656
Posted: Tue Feb 28 17:33:32 1984
Date-Received: Thu, 1-Mar-84 02:42:21 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 12

I just got an Appli-Card [CP/M(tm)] for my Apple //e.  I am trying to locate
other Appli-Card/Apple CP/M users who are interested in trading notes,
Public Domain software, "hints and kinks", etc.

          George V. Wilder
          ihnp4!ihuxp!gvw1
--


          George V. Wilder
               IX 1A-360 x1937
                   ihnp4!ihuxp!gvw1


From -2608855331196137811
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c691e88a72f4633d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-29 09:03:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site hlexa.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!mhuxj!mhuxi!mhuxh!hlhop!hlexa!ips
From: ips@hlexa.UUCP (irwin seltzer)
Newsgroups: net.micro.apple
Subject: request for help
Message-ID: <1402@hlexa.UUCP>
Date: Wed, 29-Feb-84 12:03:30 EST
Article-I.D.: hlexa.1402
Posted: Wed Feb 29 12:03:30 1984
```

Date-Received: Fri, 2-Mar-84 07:40:21 EST
Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 18

I'd like some help please.

Somewhere out there in NetLand is a person happily using
an Apple running AE Pro with vi as an editor.

Could you please send me a copy of your tercap along with
any comments/hints you may have?

I'd be glad to post anything I get to the net as one article
(that is, if I get anything to post).

I send you my thanks (I'd send cash but it won't fit into the
coin slot on my terminal).

Irwin Seltzer
!hlexa!ips
----- News saved at Wed, 29-Feb-84 12:01:39 EST

From -7464193583921841914
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1f95b0f677a32819,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-29 10:22:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs7!
ee163agb
From: ee163agb@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Computer (and discount) pricing
Message-ID: <1166@sdccs7.UUCP>
Date: Wed, 29-Feb-84 13:22:16 EST
Article-I.D.: sdccs7.1166
Posted: Wed Feb 29 13:22:16 1984
Date-Received: Sat, 3-Mar-84 04:01:03 EST
Organization: U.C. San Diego, Computer Center
Lines: 79

<- bug snack

There has been some discussion of pricing computer equipment,
both here and in net.legal, especially with regard to student
discount prices on the Apple Mac. Basically the question is "can a
dealer price a piece of equipment below list?" This is followed by the
companion question "can a firm (like Apple) make special arrangements

to sell their machines below list to schools/students?"

[The following discussion is based largely upon California law, and Federal law under the Ninth Circuit. Most States should have similar rules. Words I use below should NOT be understood like lawyer talk unless specially noted.]

A wholesaler must give relatively equitable prices to everybody. Variations in (wholesale) price must be based upon some reasonable consideration (volume discounts, for example, are okay if available to all, and not clearly unreasonable), or enjoy some classic exemption, like student discounts. Thus (question #2 above) university discounts on the Mac are okay.

A list price is a *retail* price, "suggested" by the wholesaler of a product to the retailers. In the computer business the wholesaler is often the original manufacturer. Due to anti-trust sorts of legislation, the wholesaler is forbidden to make the retailer sell the product to the public for a specified price, whether by requiring the retailer to sign a contract to that effect, or by refusing to sell goods to retailers that step out of line. Once a retailer has purchased some good from a wholesaler, he is free to set whatever price to the public that he desires. Thus (question #1 above) selling at less than list is okay.

Now, there are lots of reasons why wholesalers/manufacturers want to force a certain retail price for their equipment. The classic one has to do with the pressure from retailers who wish to maintain a large profit margin--they don't want price competition. As they can't lawfully prevent others from entering the retail business, they want the newcomers forced to adhere to the high price. This is bad for the consumer, though, so we get laws like those described above, making such (bad word here, but convenient) "syndication" unlawful.

The tactic in vogue lately for computer makers to circumvent the spirit of the laws and fix prices has been the "authorized dealer" covenant. The computer maker announces that "customer service" is an integral part of his product, and that only retailers who provide the right kind of service will be authorized dealers, and be eligible to purchase and resell the product. Anyone who tries then, to sell the product for less than list (consistently) is removed from the authorized dealer list for alleged service incompetence. This tactic is especially successful against low-overhead mail-order dealers, who are making profits from discounted merchandise as big as those that storefront operators are making from list price. Mail-order dealers clearly don't provide the kind of customer service (and education, et cetera) that walk-in businesses do!

Lately, I have learned of an even sneakier tactic, which I do not know whether or not has been tested in court. The computer maker requires retailers to sign a contract which explicitly notes that the maker may not set retail prices (other than *suggesting* a list price), and then goes on to require, however, that the retailer NOT

ADVERTISE any price less than list, under heavy contractual and tort penalties. This, clearly, is designed to discourage competition. First, it discourages a retailer from setting a discount price--he's free to do so, but since he can't TELL anyone about it, there's no point. (This produces some of those "call for price" ads that you see in the paper, I think.) Second, it discourages customers from going to a discount retailer to buy their computer (and thus making other dealers match that price to retain their clientel), because they won't KNOW there's a discount dealer in town. Absent knowing that they can save two hundred bucks by driving half an hour to wherever, they'll stay with the nice computer store up the street at list price!

I don't wish to make it appear that only computer manufacturers engage in these abusive practices: all businesses do. The fact that these kind of conspiracies are common, though, doesn't make them any less rotten.

From 8576451343212169459
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,79dfcfcc190ad240,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-29 11:17:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site hou2d.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!hou2d!cat
From: cat@hou2d.UUCP (C.TODD)
Newsgroups: net.micro.apple
Subject: APPLE II Logic Designer
Message-ID: <218@hou2d.UUCP>
Date: Wed, 29-Feb-84 14:17:31 EST
Article-I.D.: hou2d.218
Posted: Wed Feb 29 14:17:31 1984
Date-Received: Fri, 2-Mar-84 08:31:36 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 13

****
**   Logic designer for Apple   **
****
I am considering buying MicroLogic for Apple II systems from Spectrum Software for use as a quick logic simulator to produce timing diagrams, etc. Has anyone used it or its precursor? What do you think of it? Any problems?

Thanks,
cat

hou2d!cat

From -7588001788666774495
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c9d5578b016cc26,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-29 17:35:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!ulysses!burl!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Re: Has Anybody Seen MACTERM
Message-ID: <227@mb2c.UUCP>
Date: Wed, 29-Feb-84 20:35:22 EST
Article-I.D.: mb2c.227
Posted: Wed Feb 29 20:35:22 1984
Date-Received: Fri, 2-Mar-84 08:20:18 EST
References: ihuxw.722
Lines: 15

I have had a chance to use LisaTerm, and the descriptions of MacTerm don't seem to fit. MacTerm is supposed to support XMODEM file transfer protocol, where LisaTerm (at lease the version I got to play with) had no file transfer capabties.

LisaTerm does emulate a VT100, and handles inverse, normal, underline, 80 col and 132 col. I suspect that the Mac will lack the 132 column feature although it is rumored that the National Optometric Lobby has approached Apple for this feature :-).

The only problem that I have had with LisaTerm (besides the fact that it is painfully slow) is that it does not handle the Insert/Delete Line/Character. Without these, it makes using some editors painful.

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -9029016421035422590
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924a8d82fd7281c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-01 03:52:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!mcnc!ecsvax!rpk
From: rpk@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: PCPI Appli-Card(tm) and the Apple //e(tm)
Message-ID: <2079@ecsvax.UUCP>
Date: Thu, 1-Mar-84 06:52:42 EST
Article-I.D.: ecsvax.2079
Posted: Thu Mar 1 06:52:42 1984
Date-Received: Sun, 4-Mar-84 01:08:16 EST
References: ihuxp.656
Lines: 16

[]
I got a PCPI card recently after useing a Microsoft card for about 2 years.
There is a world of difference, not only from the speed (PCPI = 6 Mhz, Microsoft

= < 2 Mhz) but also from the way that the CP/M is implemented.

The PCPI card is also a much better hardware design, in my opinion. It always works with my Apple and its strange home-brewed periphs. I am presently trying to attach a prototype ram-disk made from Intel's bubble memories to the system.

Like George, I would also be interested in hearing from users of PCPI CP/M cards.

Please post to the net.

     -Dick   ...decvax!mcnc!ecsvax!rpk

From 2416160529912649281
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5fa59036b027dd1e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13bddc,5fa59036b027dd1e,start
X-Google-Attributes: gid13bddc,public
X-Google-ArrivalTime: 1984-03-01 14:30:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: net.micro.apple,ih.micro
Subject: Wanted: recommendations for 8" disk controller for Apple(tm)
Message-ID: <660@ihuxp.UUCP>
Date: Thu, 1-Mar-84 17:30:13 EST
Article-I.D.: ihuxp.660
Posted: Thu Mar 1 17:30:13 1984
Date-Received: Sat, 3-Mar-84 07:30:37 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 12

I have an Apple //e system. I also have an 8" disk drive (Shurgart, 801 I think). I would like to get an 8" disk controller card to hook the two together. I also have a CP/M card (PCPI Appli-Card[tm]) in my Apple.

Any recommendations?? Thanks very much.
--

          George V. Wilder
               IX 1A-360 x1937
                   ihnp4!ihuxp!gvw1

From 3090083225475658371
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,416f459b2e1c13,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-02 06:21:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxp!pmn
From: pmn@ihuxp.UUCP (Paul Nauman)
Newsgroups: net.micro.apple
Subject: Need Apple Proto Boards
Message-ID: <661@ihuxp.UUCP>
Date: Fri, 2-Mar-84 09:21:49 EST
Article-I.D.: ihuxp.661
Posted: Fri Mar 2 09:21:49 1984
Date-Received: Sat, 3-Mar-84 10:53:05 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 5

Does anyone out there have any info on where I can get Apple
prototyping boards that fit in the I/O slots ? How much are they ?
How big are they ? All replies appreciated.

              Paul Nauman   ihuxp!pmn

From -5033390461970848587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-02 16:02:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!mcnc!unc!rentsch
From: rentsch@unc.UUCP (Tim Rentsch)
Newsgroups: net.micro.apple
Subject: Can I suggest a new newsgroup?
Message-ID: <6873@unc.UUCP>
Date: Fri, 2-Mar-84 19:02:07 EST
Article-I.D.: unc.6873
Posted: Fri Mar 2 19:02:07 1984
Date-Received: Sun, 4-Mar-84 01:15:49 EST
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 3

Can the discussions of the macintosh and the lisa be split off into another
news group? (I.E., a new one?) I'm interested in the M and the L, but I
have only epsilon interest in apple N widgets, etc.

From 7433048770116137045
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-03-03 12:03:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-sally.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!ut-sally!jsq
From: jsq@ut-sally.UUCP (John Quarterman)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <1123@ut-sally.UUCP>
Date: Sat, 3-Mar-84 15:03:40 EST
Article-I.D.: ut-sally.1123
Posted: Sat Mar 3 15:03:40 1984
Date-Received: Mon, 5-Mar-84 00:37:18 EST
References: <6873@unc.UUCP>
Organization: U. Texas CS Dept., Austin, Texas
Lines: 9

Is anyone interested in an ARPANET/USENET gateway of the new ARPANET
INFO-MAC mailing list into, for instance, net.micro.mac? Enough traffic
already exists (and then some) in INFO-MAC. Gatewaying into net.micro.apple
is probably not appropriate.

If there is interest, is there a host willing to act as the gateway?
--
John Quarterman, CS Dept., University of Texas, Austin, Texas
jsq@ut-sally.ARPA, jsq@ut-sally.UUCP, {ihnp4,seismo,ctvax}!ut-sally!jsq

From -8473060173469993119
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924a8d82fd7281c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-03 14:01:13 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs7.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!ittvax!dcdwest!sdcsvax!sdccs7!ee163abs
From: ee163abs@sdccs7.UUCP
Newsgroups: net.micro.apple
Subject: Re: PCPI Appli-Card(tm) and the Apple //e(tm)
Message-ID: <1169@sdccs7.UUCP>
Date: Sat, 3-Mar-84 17:01:13 EST
Article-I.D.: sdccs7.1169
Posted: Sat Mar 3 17:01:13 1984
Date-Received: Sun, 4-Mar-84 09:05:12 EST
References: ihuxp.656, <2079@ecsvax.UUCP>
Organization: U.C. San Diego, Computer Center
Lines: 8

I also have the PCPI cp/m card and I am very satisfied with it. It works great
with my //e. However, I did purchase the 128K ram expander and used it as a
ram disk disk and had many problems with it. I ended up returning it from the
place where I bought it after talking to Nick and Gallen at PCPI. The problem
I had with it was that it would loose many or parts of my files.

Ron Breger

From 4621758706611287682
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cac8a70aca0a2c31,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-03 15:38:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!hpda!fortune!wdl1!jrb
From: jrb@wdl1.UUCP (John R Blaker)
Newsgroups: net.micro.apple
Subject: Hayes Query (reposting w/ addendum)
Message-ID: <175@wdl1.UUCP>
Date: Sat, 3-Mar-84 18:38:28 EST
Article-I.D.: wdl1.175
Posted: Sat Mar 3 18:38:28 1984
Date-Received: Tue, 6-Mar-84 04:02:24 EST
Lines: 44

Hi there. I have the following equipment:

- Apple][
- AIO Serial/parallel Interface (made by SSM)
- Hayes Smartmodem 1200
- Hayes Terminal program for Apple][(Says works with Hayes 300 & 1200)

The problem:

The terminal program cannot find the modem when the speed on the AIO is set to 1200 baud. It DOES find it when the speed is set to 300. Why?

An addendum:

> Occasionally, it WILL find it at 1200 baud, but I have to start the program up many times before it works correctly.

Additional information:

The AIO provides the following lines:

PIN #	Name	Function
1	FG	Frame Ground
2	TD	Transmitted Data
3	RD	Received Data
4	RTS	Request To Send
5	CTS	Clear To Send
7	SG	Signal Ground
8	DCD	Data Carrier Detect
20	DTR	Data Terminal Ready

Does anyone out there in NETLAND have any ideas on this subject? Send replies to me at one of the following addresses:

John R Blaker (not evelyn)

Ford Aerospace & Communications (Work)

Western Development Laboratories Division
3939 Fabian Way
Palo Alto, CA 94303
(415) 852-4219

1625 Cedar Street (Home)
Berkeley, CA 94703
(415) 524-7083

...!fortune!wdl1!jrb   (UUCP)
jrb@FORD-WDL1   (ARPA)

From 1471030936278058892
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,720347013a588d23,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-03 18:28:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: DOS Protection (Re:Josh Siegel)
Message-ID: <565@ihuxn.UUCP>
Date: Sat, 3-Mar-84 21:28:59 EST
Article-I.D.: ihuxn.565
Posted: Sat Mar 3 21:28:59 1984
Date-Received: Mon, 5-Mar-84 00:43:19 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 28

In response to your request: I know 6502 like the back of my hand, and I am fairly knowledgeable in direct machine language disk access, though I need to brush up a BIT on the "raw data" (prenibbilized) format.

There are some really neat protection routines out there, like SPIRALING the data (skipping half-tracks inward every quarter-revolution) and ALL SORTS of insane schemes. Personally, I don't bother to protect the arcade games that I write. I know that with a paperclip, an opened Apple II, and a neat little disk program you can break into just about anything that does not access the disk drive more than once. And for everything else- either Locksmith, Wildcard, or a Boottrace (can work every time) will copy/break it.

It depends. If you are trying to just defer the novice from copying your disk, four pokes and a DOS command, and a little program that sticks in a couple of "ninety-sixes" and does a modified COPYA will make a disk that couple of "ninety-sixes" can make your program
virtually impossible to crack using normal copy programs. I forget the location of the D5 AA 96 or whatever hex sequences make up the prolog and the epilog for a data stream but if you change those then COPYA and all those copiers that use RWTS will bomb.

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From -1531529117090857837
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-04 12:11:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!eagle!harpo!decvax!yale-com!debenedi
From: debenedi@yale-com.UUCP (Robert DeBenedictis)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <3052@yale-com.UUCP>
Date: Sun, 4-Mar-84 15:11:58 EST
Article-I.D.: yale-com.3052
Posted: Sun Mar 4 15:11:58 1984
Date-Received: Mon, 5-Mar-84 01:05:28 EST
References: ut-sally.1123
Lines: 8

I would enjoy reading more stuff about the MAC. If there
is a way of getting the new ARPANET INFO-MAC mailing list
into USENET then I think net.micro.mac should be created.

"Now, We're Never Alone"
Another Message In The Bottle from
Robert DeBenedictis
decvax!yale-comix!debenedi

From -6375711184286035786
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-03-04 20:42:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site orca.UUCP
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!tektronix!orca!brucec
From: brucec@orca.UUCP (Bruce Cohen)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <673@orca.UUCP>

Date: Sun, 4-Mar-84 23:42:30 EST
Article-I.D.: orca.673
Posted: Sun Mar 4 23:42:30 1984
Date-Received: Tue, 6-Mar-84 03:32:01 EST
References: ut-sally.1123 <3052@yale-com.UUCP>
Organization: Tektronix, Wilsonville OR
Lines: 11

I also am interested in both a gateway to the Arpanet Macintosh bulletin board and a new newsgroup for the Micro 32 machines. I have less than epsilon interest in old and clunky 6500 based micros, but quite a bit in the Mac and the Lisa.

Bruce Cohen
UUCP: ...!tektronix!tekecs!brucec
CSNET: tekecs!brucec@tektronix
ARPA: tekecs!brucec.tektronix@rand-relay

From -1380121164697376431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924a8d82fd7281c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-04 23:14:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aecom.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!rocky2!cucard!aecom!freund
From: freund@aecom.UUCP
Newsgroups: net.micro.apple
Subject: Re: PCPI Appli-Card(tm) and the Apple //e(tm)
Message-ID: <408@aecom.UUCP>
Date: Mon, 5-Mar-84 02:14:27 EST
Article-I.D.: aecom.408
Posted: Mon Mar 5 02:14:27 1984
Date-Received: Wed, 7-Mar-84 05:37:34 EST
References: ihuxp.656, <2079@ecsvax.UUCP>
Organization: Albert Einstein Coll. of Med., NY
Lines: 20

I've been using the PCPI Appli-Card (4Mhz) for the past year and a half. The only problems I've encountered have been with the included software put out by PCPI. For instance, the hiresio driver is just to slow to be used with the driver I wrote for the Micromodem II. A carriage return delay helps, but, lines longer than 70 chars still get garbled. I'd be interested in hearing from someone who has done something similar.

The only other problem is that there is no way to customize cp/m itself. all those kludges involving a sysgen or movcpm seem to be impossible in this implimentation unless you know how to edit pcpicpm, which I don't.

P.S. i'm running an apple II+

Larry Freund
{philabs,pegasus,cucard}!aecom!freund
{philabs,pegasus,cucard}!aecom!spike!larry

Kindly send replies directly to me as I don't seem to have gotten the letter which started this discussion, just one of the replies. I will try to post any responses that I get.

From -1928885232867162603
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-05 06:58:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site denelcor.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!seismo!hao!denelcor!pking
From: pking@denelcor.UUCP (P. King)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <344@denelcor.UUCP>
Date: Mon, 5-Mar-84 09:58:47 EST
Article-I.D.: denelcor.344
Posted: Mon Mar 5 09:58:47 1984
Date-Received: Tue, 6-Mar-84 04:29:47 EST
References: <1123@ut-sally.UUCP>
Organization: Denelcor, Aurora, CO
Lines: 5

I would be very interested in seeing a Macintosh newsgroup.

P.King (...!hao!denelcor!pking)

From -2118859086336266605
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e62913a269b1e13b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e62913a269b1e13b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-05 07:19:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro,net.micro.apple
Subject: MAC - integrating pictures and text
Message-ID: <756@dciem.UUCP>
Date: Mon, 5-Mar-84 10:19:18 EST
Article-I.D.: dciem.756

Posted: Mon Mar 5 10:19:18 1984
Date-Received: Mon, 5-Mar-84 12:26:22 EST
Organization: D.C.I.E.M., Toronto, Canada
Lines: 30

As a brand-new Macintosh owner, I have been very favorably impressed with its ease and apparent reliability. It does what it says it does, and with very few problems learning how. But there is one thing I want to do and cannot find how to do from the MacWrite or MacPaint manuals or menus: How can I cut a picture into one side of a page? As far as I can determine, MacWrite allows pictures to be inserted only across the full width of a page. If I change the ruler to make a narrow column of text on, say, the right, the picture I put on the left moves over into the area where I want the text. Is there any way around this? To clarify, the result I want looks something like this:

```
Up to here the text is full page width, and now I
_____________________    want to cut in the picture
|                     |    beside the continuing text.
|                     |    apfskiu7t v;laiu qflwki; vas
|     picture         |    cniujls a;liug caoiu8c awpo8g@p
|                     |    campodsi ;aslgkiu canlkdsaiuc a.sjh
|_____________________|    adapvosud cliqdw8p psoutkr
                           cdovsl vpsfoi va;lsiu v.ls
;lsifvs vpaosiv as;o9v  spdokds vdslkfj lerk v/;of9v
```

No this isn't rot13!

Another question whose answer I think is "no" is: "Is there any way of making a double-size picture so that it prints out cleanly in high-resolution mode on the image-writer?"
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From 1645975878590164856
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-05 07:57:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cubsvax.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!rocky2!cubsvax!noel
From: noel@cubsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <175@cubsvax.UUCP>
Date: Mon, 5-Mar-84 10:57:21 EST
Article-I.D.: cubsvax.175
Posted: Mon Mar 5 10:57:21 1984
Date-Received: Wed, 7-Mar-84 05:40:17 EST

References: <6873@unc.UUCP>
Organization: Columbia Univ Biology, New York City
Lines: 5

I propose net.micro.apple.mac. I have no interest in the IIE.

--
-- Noel Kropf {philabs,cmcl2!rocky2}!cubsvax!noel.UUCP 212-280-5517
-- 1002 Fairchild; Columbia University; New York NY 10027

From 2665729059205123675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-05 12:35:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!utah-cs!utah-gr!thomas
From: thomas@utah-gr.UUCP (Spencer W. Thomas)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <1090@utah-gr.UUCP>
Date: Mon, 5-Mar-84 15:35:24 EST
Article-I.D.: utah-gr.1090
Posted: Mon Mar 5 15:35:24 1984
Date-Received: Tue, 6-Mar-84 03:28:50 EST
References: <1123@ut-sally.UUCP> denelcor.344
Lines: 3

There is an INFO-MAC list on the Arpanet. Can someone gateway it?

=Spencer

From 2306859895682613032
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-ArrivalTime: 1984-03-05 15:13:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tekecs.UUCP
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!tektronix!orca!tekecs!
paulsc
From: paulsc@tekecs.UUCP (Paul Scherf)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <3568@tekecs.UUCP>
Date: Mon, 5-Mar-84 18:13:30 EST
Article-I.D.: tekecs.3568

Posted: Mon Mar 5 18:13:30 1984
Date-Received: Wed, 7-Mar-84 06:27:04 EST
References: ut-sally.1123 <3052@yale-com.UUCP>
Organization: Tektronix, Wilsonville OR
Lines: 5

How about net.micro.apple.mac?

43 Billion served yet? :-)
Paul Scherf, Tektronix, Wilsonville, Oregon, USA
paulsc@tekecs.UUCP

From 3457933834850396652
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-05 20:25:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro.apple, net.news.group
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <1022@druxy.UUCP>
Date: Mon, 5-Mar-84 23:25:22 EST
Article-I.D.: druxy.1022
Posted: Mon Mar 5 23:25:22 1984
Date-Received: Tue, 6-Mar-84 06:57:16 EST
References: <6873@unc.UUCP>
Organization: AT&T Information Systems Laboratories, Denver
Lines: 15

I vote for a separate group for Mac and Lisa. They have next to nothing
in common with the Apple N series.

net.micro.lisa might be more appropriate, since both Mac and Lisa are
Lisa Technology machines. net.micro.lisa is inclusive of both the
Mac and the Lisa, but net.micro.mac doesn't appear to be inclusive
of Lisa. On the other hand... I couldn't care less.

I also vote for the ARPA gateway thereof.

[start posting these discussions to net.news.group, too]

     Ray Davis   AT&T Information Systems Laboratories   Denver
     {ihnp4|hogpc}!druxy!bees   (303)538-3991

From -1692496565067467369

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-06 13:10:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!rlgvax!cvl!umcp-cs!speaker
From: speaker@umcp-cs.UUCP
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <5752@umcp-cs.UUCP>
Date: Tue, 6-Mar-84 16:10:41 EST
Article-I.D.: umcp-cs.5752
Posted: Tue Mar 6 16:10:41 1984
Date-Received: Wed, 7-Mar-84 07:02:19 EST
References: <1123@ut-sally.UUCP>, <344@denelcor.UUCP>
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 4

I would like to see a newsgroup devoted to Lisa, Lisa/2 and Mac.

umcp-cs!speaker
- Speaker

From -922807377915985348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39a7f236785fd93c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-06 16:27:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!eagle!harpo!seismo!hao!hplabs!hp-pcd!
orstcs!nathan
From: nathan@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: new newsgroup opinion
Message-ID: <15200005@orstcs.UUCP>
Date: Tue, 6-Mar-84 19:27:00 EST
Article-I.D.: orstcs.15200005
Posted: Tue Mar 6 19:27:00 1984
Date-Received: Fri, 9-Mar-84 00:58:22 EST
Organization: Oregon State University - Corvallis, OR
Lines: 9
Nf-ID: #N:orstcs:15200005:000:296
Nf-From: orstcs!nathan   Mar 6 16:27:00 1984

Re: new newsgroup

I think that in short order the Mac traffic will push
the other traffic out of this group, volumewise, and

will reduce the need for a separate group. In the
meantime, I recommend that the headers of all messages
regarding Mac begin with "Mac:" for easy ID.

orstcs!nathan

From -4463831601415969649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e8cb8da8ed38129f,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e8cb8da8ed38129f,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,e8cb8da8ed38129f,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1984-03-06 20:54:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site iwsl2.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!iwsl2!arryjob
From: arryjob@iwsl2.UUCP (Dallas Van Slyke)
Newsgroups: net.micro,net.micro.pc,net.micro.apple
Subject: Seeking dBASE II Information
Message-ID: <156@iwsl2.UUCP>
Date: Tue, 6-Mar-84 23:54:33 EST
Article-I.D.: iwsl2.156
Posted: Tue Mar 6 23:54:33 1984
Date-Received: Wed, 7-Mar-84 07:09:55 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 9

I'm looking for articles & users who have used dBASE II on an IBM PC
or APPLE IIe. Anyone with experience with dBASE II please respond on this
network. I've just found a series in A+ magazine, but will have to write
the publisher since the current copy has Part V and I missed the previous
four. Thanks in advance. This is the first time I've tried this network
so please excuse any problems with my use of the net.
              Dallas Van Slyke
AT&T Bell Laboratories
              Naperville, Ill.

From 509902244517999550
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-07 10:25:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdcsla.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!decvax!ittvax!dcdwest!sdcsvax!sdcsla!clark
From: clark@sdcsla.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <519@sdcsla.UUCP>

Date: Wed, 7-Mar-84 13:25:46 EST
Article-I.D.: sdcsla.519
Posted: Wed Mar 7 13:25:46 1984
Date-Received: Thu, 8-Mar-84 19:35:47 EST
References: <1022@druxy.UUCP>
Organization: U.C. San Diego, Cognitive Science Lab
Lines: 10

I, too, believe there is good reason for separate groups for the
Lisa/Mac Apples, and the Apple N machines. However, why not use
the division that Apple itself is going to use, the Apple 32's
and the Apple 2's (I'm not certain about the second, but it is
in that vein).

-- Clark (Quinn)

ucbvax!sdcsvax!sdcsla!clark

From 7231368255057696759
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-07 11:36:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!mcnc!unc-c!rrm
From: rrm@unc-c.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <1269@unc-c.UUCP>
Date: Wed, 7-Mar-84 14:36:37 EST
Article-I.D.: unc-c.1269
Posted: Wed Mar 7 14:36:37 1984
Date-Received: Thu, 8-Mar-84 19:21:29 EST
Lines: 16

It seems that the general interest in net.micro.apple has indeed
  shifted to the Mac and his best girl Lisa, to the point where
  a new group is desired. While I am not in favor of adding new
  groups for every inovation that comes along, I do realize that
  there is a major difference between the old trooper (read
  Apple][) and the new kids on the block. I don't really feel
  that net.micro.mac should be created since Mac is off of the
  same tree as the][+,e, and III, and other folk who peruse
  net.micro may start wanting new subsets for their pet machines
  too. Might I suggest that Mac could be discussed in
  net.micro.68K?

                              Richard R. Moore
                                 UNCC - EAD

From -4538642219850632852
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,67b58a54f828652f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-07 13:49:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: ProDos Users Kit
Message-ID: <228@mb2c.UUCP>
Date: Wed, 7-Mar-84 16:49:34 EST
Article-I.D.: mb2c.228
Posted: Wed Mar 7 16:49:34 1984
Date-Received: Thu, 8-Mar-84 19:24:25 EST
Lines: 20

I recently plunked down my $39.95 to get the ProDos users kit. This was the only way the local computer stores offered ProDos to people not wishing to buy a computer system or disk drive. I also had to spend $70 for 5 ROMs to upgrade my Apple-II to a II+ since ProDos uses the language card for itself and the Users Kit is written entirely in Applesoft.

I was more than a little surprised to find out that the Users Kit does not even tell you how to type in any ProDos commands. All it is is a menu-driven program which lets you do ProDos commands without having to know the syntax.

Well this is just great since I wanted to port some of my Applesoft programs over to ProDos. Apparently there is a "Applesoft Programmer" guide to ProDos, but it is not available yet.

Has anyone else had any better experience with ProDos?

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -877197096432525701
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4ab1c1ab02e31583,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-07 13:51:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: ProDos Clock Support
Message-ID: <229@mb2c.UUCP>
Date: Wed, 7-Mar-84 16:51:32 EST
Article-I.D.: mb2c.229

Posted: Wed Mar 7 16:51:32 1984
Date-Received: Thu, 8-Mar-84 19:24:40 EST
Lines: 7

The only "officially" supported card with ProDos is the Thunderclock.
Now I think highly of the Thunderclock, but I happen to have a CPS
Multi-Function card. Has anyone yet tried to support other clocks
besides the Thunderclock with ProDos. Any hints on how to do it?

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From 7363165332770296587
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c476f105d4dcb943,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-08 12:38:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Pro-DOS and non-Apple peripherals.
Message-ID: <3486@utcsrgv.UUCP>
Date: Thu, 8-Mar-84 15:38:32 EST
Article-I.D.: utcsrgv.3486
Posted: Thu Mar 8 15:38:32 1984
Date-Received: Thu, 8-Mar-84 17:27:59 EST
Organization: CSRG, University of Toronto
Lines: 18

--->
  Well, Apple has recently put out Pro-DOS which seems to have a number
of nice(r) feature, as compared to DOS 3.3 (not that hard to beat).
Among these is a new hierarchical file system.
  My problem is that it seems Pro-DOS will not run (so I've heard) on
floppy disk cards that are not apple originals. Lo, I've tried a
friend's copy on my non-std machine, and it hangs.
  Does anybody know whether this (mis-?) feature was intended, and
how/why it works like that? More importantly, any suggestions
on how to get it to go? My case is an especially irregular one
since I happen to run a home-made apple II+ compatible. Among
other things, this setup does not afford me the possibility
of getting a new "real" controller card.
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -5607605789803532573

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,3fe10e4f2dc433bc,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,3fe10e4f2dc433bc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-08 14:29:11 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site noscvax.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!dcdwest!sdcsvax!noscvax!sloane
From: sloane@noscvax.UUCP
Newsgroups: net.news.group,net.micro.apple
Subject: new newsgroup (lisa)
Message-ID: <351@noscvax.UUCP>
Date: Thu, 8-Mar-84 17:29:11 EST
Article-I.D.: noscvax.351
Posted: Thu Mar 8 17:29:11 1984
Date-Received: Sat, 10-Mar-84 10:47:05 EST
Organization: Naval Ocean Systems Center
Lines: 20

I am very much in favor of creating an apple mac/lisa newsgroup -
but *not* in calling it net.micro.mac. According to all of APPLE
Corps literature, the mac is a (small) part of their thrust into
32 bit micros, using "lisa technology". Therefore I propose that
the group be called net.micro.lisa after the family of computers
APPLE proposes, not merely a single member of the family. If a
precedent is set for naming newsgroups in net.micro after specific
machines (imagine net.micro.pc and net.micro.xt) instead of after
generic categories, then the groups will proliferate uncontrollably.

      Gary K. Sloane
      Naval Ocean Systems Center
      Code 9122 Building 1 Room B205
      San Diego, California 92152

      MILNET: sloane@nosc
      UUCP: ...{sdcsvax}!noscvax!sloane

From -5658427600583037552
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-08 18:34:54 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1+some 2/3/84; site dual.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!ihnp4!dual!fair
From: fair@dual.UUCP (Erik E. Fair)
Newsgroups: net.micro.apple,net.news.group

Subject: Re: Macintosh Newsgroup
Message-ID: <337@dual.UUCP>
Date: Thu, 8-Mar-84 21:34:54 EST
Article-I.D.: dual.337
Posted: Thu Mar 8 21:34:54 1984
Date-Received: Sat, 10-Mar-84 08:29:16 EST
References: <1123@ut-sally.UUCP> <344@denelcor.UUCP>
Organization: Dual Systems, Berkeley, CA
Lines: 11

Awright already! As USENET admin for ucbvax, I promise that as soon as I
get the damned software working again, INFO-MAC will be gatewayed.
<Insert-Favorite-Deity-Here> Help the sites that are still running < 2.10.

Erik E. Fair ucbvax!fair   fair@ucb-arpa.ARPA
         ucbvax!usenet usenet@BERKELEY.ARPA

dual!fair@BERKELEY.ARPA
{ihnp4,ucbvax,cbosgd,decwrl,amd70,fortune,zehntel}!dual!fair
Dual Systems Corporation, Berkeley, California

From 4558162822179613458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-09 10:59:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site wu1.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!rocky2!cubsvax!wu1!rf
From: rf@wu1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <260@wu1.UUCP>
Date: Fri, 9-Mar-84 13:59:17 EST
Article-I.D.: wu1.260
Posted: Fri Mar 9 13:59:17 1984
Date-Received: Sun, 11-Mar-84 00:26:16 EST
References: <1269@unc-c.UUCP>
Organization: Western Union Telegraph, Mahwah, NJ
Lines: 16

Net.micro.mac is an excellent idea. In response to some other
comments:

  Net.micro.apple.mac is an unmanageable name.

  Probably the group should be called 'mac' rather than lisa,
  since there are many more Macintoshi than Lisas.

  Net.micro.68k is devoted to small multi-user systems very
  unlike the Macintosh. Macintosh discussion in net.micro.68k

seems an intrusion.

Randolph Fritz
Western Union Telegraph
{philabs, allegra!sunrise}!wu1!rf

From -5452667087156205356
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,3e470fd83f080e22,start
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,3e470fd83f080e22,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-10 11:58:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <773@dciem.UUCP>
Date: Sat, 10-Mar-84 14:58:14 EST
Article-I.D.: dciem.773
Posted: Sat Mar 10 14:58:14 1984
Date-Received: Sat, 10-Mar-84 15:23:15 EST
References: <1341@ut-sally.UUCP>
Organization: D.C.I.E.M., Toronto, Canada
Lines: 7

Why does the fact that there is a lot of traffic in INFO-MAC argue AGAINST
the desirability of a gateway to USENET. Wouldn't USENET types (like me)
want to see all this (presumably interesting) discussion?
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -4673794864715861023
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6e5e131827dcc20,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-11 14:40:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro.apple
Subject: Disk Protection (to Josh Siegel)
Message-ID: <575@ihuxn.UUCP>
Date: Sun, 11-Mar-84 17:40:47 EST
Article-I.D.: ihuxn.575

Posted: Sun Mar 11 17:40:47 1984
Date-Received: Mon, 12-Mar-84 05:26:48 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 103

Sending MAIL directly is has been giving me problems, so I am posting this letter on the net. It may be of interest to other Apple owners.

I use the Net only on weekends, and I didn't bring the specs on protecting a disk... I'll bring them next week and post the info on how to put a decent protection on an Apple DOS 3.3 disk that will give a lot of copiers a bit of trouble.

In response to your other question: You have an unbroken disk which you would like to put in a normal 3.3 format; the program only accesses the disk once.

Here is basically how to do it: Here is what you need:

   64K Apple II Plus or Apple IIe (Apple II Plus must have the 16K card)
   One disk drive.
   Somebody who has an old Integer-BASIC Apple II from before about 1980
      that has an old "Monitor Rom" - the old version of the Apple's ROM.
      You know an Apple II has a monitor ROM if it says "APPLE][" on the
      top with no green "PLUS" below it AND if you go into BASIC and try
      pressing ESC I - if it moves the cursor up, it is not the right kind
      of ROM.
   Any old tape recorder, a blank tape, and the proper cables to connect
   the recorder to the back of the Apple II as specified in the manuals.

Well, the old Apple IIs with the Monitor Rom are pretty scarce (I've got a friend with a 1978 Apple who lent me the ROMs) But, if you can find one, here is what to do:

0. Boot up your protected disk and Press reset. If it goes into BASIC, then
   CALL- 151 and skip to step 7. Otherwise...

1. Go to the Apple II with the Monitor Rom (Let's call it the Old Apple)
   and boot a normal 3.3 disk. Then do the following command:

   BSAVE MONITOR ROM,A$F800,L$800   (from $F800 to $FFFF)

   onto one of your disks. That is IT for the Old Apple.

2. Boot up the SYSTEM MASTER 3.3 on your New Apple. Make sure it loads
   INTEGER BASIC into the machine as it should on a 64K machine.

3. With the SYSTEM MASTER in the drive, do the following commands:

   FP
   BLOAD FPBASIC,A$6000
   LOAD HELLO
   BLOAD MONITOR ROM,A$8800   (insert your disk)
   BSAVE INTBASIC,A$6000,L$3000   (on your disk)

```
   RUN                                          (should load in the file
                                                 INTBASIC into the upper 16K)
   CALL -151
   $C083                                        (turns on RAM card)
   $C083                                        (gotta do it twice)
   Now try RESET and - presto - you are still in the Monitor! (I hope)
```

4. Hook up the tape recorder, plug in all the cables: Cassette IN,OUT

5. Boot your commercial disk that you want to break and pray that it does not use the upper 16K or demolish it.

6. Wait until it loads everything in and just then press RESET and go into the Monitor - if it hangs, the author has pulled a fast one with the 16K. If it reboots, just keep hitting RESET until it goes into basic, then CALL -151 to go into the monitor.

7. Hope that the program starts at $800 and you haven't eliminated part of it by typing something in (messes up the keyboard buffer, $200-$2FF) or the text screen ($400-$7FF or so) and do the following command:

   800.BFFFW (it should work like it does in the Apple II reference manual)
   Which assumes you have pressed RECORD-PLAY on the tape recorder and have all the cables hooked up.

   Now the cassette can give you a LOT of trouble - I junked mine when I got a disk drive in '81. You've gotta have a good tape recorder, a great tape, and a lot of luck for it to work, but if it gives you a beep and sits there for ten minutes or whatever, then gives another beep and a *, then...

8. Boot up a normal 3.3 disk and CALL -151, press play on recorder, and

   800.BFFFR

   If it says ERR, then try changing the volume, checking the cables; if that doesn't work, give it some time, sleep on it, forget it ever happened, and buy a FLASHCARD or WILDCARD for $100, or, try boot-tracing the disk, which is pretty nasty.

9. Assuming it works, BSAVE PROGRAM,A$800,L$7FFF
                      BSAVE PROGRAM2,A$8000,L$1600

10. Somewhere in that mess, which is probably mostly empty, is your program, which you can search out and BSAVE in one file.

Good luck...

   800.BFFFR
--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From 6962395649819627292
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-12 05:13:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mlr
From: mlr@ihuxn.UUCP (M.L.Robins)
Newsgroups: net.micro.apple
Subject: Re: Can I suggest a new newsgroup?
Message-ID: <576@ihuxn.UUCP>
Date: Mon, 12-Mar-84 08:13:59 EST
Article-I.D.: ihuxn.576
Posted: Mon Mar 12 08:13:59 1984
Date-Received: Tue, 13-Mar-84 01:05:41 EST
References: <1269@unc-c.UUCP> <260@wu1.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 7

There has been all of this discussion about whether a new
apple newsgroup should be net.apple.lisa or net.apple.mac.

Why not call it net.apple.32 which is how Apple Computer talks
about its new product line.
--
M.L. Robins ihuxn!mlr

From 8456526774017429637
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8d0246360002bb3e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-12 06:23:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83 based; site houxz.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!houxm!houxz!wh
From: wh@houxz.UUCP (W.HEINMILLER)
Newsgroups: net.micro.apple
Subject: Proposed Mac Newsgroup - A No Vote
Message-ID: <696@houxz.UUCP>
Date: Mon, 12-Mar-84 09:23:27 EST
Article-I.D.: houxz.696
Posted: Mon Mar 12 09:23:27 1984
Date-Received: Tue, 13-Mar-84 00:43:14 EST
Organization: AT&T Bell Labs, Holmdel NJ
Lines: 14

[]

I've seen a lot of people proposing or supporting
the idea of a newsgroup for the Macintosh. On the other
hand, I haven't seen anyone submitting articles
about the machine. Seems to me everyone wants to
read about it, but we don't have anyone willing to
say anything about the machine. Until more people
have something to say about the Mac besides "start
a newsgroup", I don't think a new newsgroup is necessary.
If such a newgroup is necessary to link to the ARPANET
articles, then I could support it.

     Wayne Heinmiller   Bell Communications Research
     houxz!wh   Freehold, NJ

From -9215642286615483868
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b996a8c9e634f620,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b996a8c9e634f620,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,b996a8c9e634f620,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1984-03-12 08:41:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site lamont.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!philabs!lamont!system
From: system@lamont.UUCP (bob bookbinder)
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Apple for Sale
Message-ID: <115@lamont.UUCP>
Date: Mon, 12-Mar-84 11:41:16 EST
Article-I.D.: lamont.115
Posted: Mon Mar 12 11:41:16 1984
Date-Received: Tue, 13-Mar-84 20:43:19 EST
Organization: Lamont-Doherty Geological Observatory Palisades, NY
Lines: 35

     I have a robust Apple II system for sale -- perfect for
running Pascal at home (UCSD of course). It's got enough disks
to be usefull and enough ram disk to be fast. It's got a serial
and parallel port to connect to your mainframe (I talk to an
11/70 running Version 7)

HARDWARE		ORIGINAL COST
1	Apple II with 64k memory	$1400
1	Apple 5.25 inch disk drive with Apple controller	550
2	Lobo 5.25 inch disk drives with controller	900
1	Apple language card	400
1	Suprterm 80 column card	300

1   Prometheus Versacard
         clock,serial,parallel,bsr   220
1   Synetix ram disk 544K   550
1   MPI printer   710

                                 $5300

SOFTWARE
     Apple DOS 3.3
     UCSD Pascal IV
     Apple Pascal
     Flight Simulator
     6502 Assemblers
     Games

     All documentation included

I will accept the best offer over $1000. (FOB New York) Call for more info

          DDD 914-359-2900   Bob Bookbinder
          UUCP philabs!lamont!system

From 8080446478486724570
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-12 13:00:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Why not hold off on the subgroup.
Message-ID: <3510@utcsrgv.UUCP>
Date: Mon, 12-Mar-84 16:00:02 EST
Article-I.D.: utcsrgv.3510
Posted: Mon Mar 12 16:00:02 1984
Date-Received: Mon, 12-Mar-84 16:37:00 EST
References: <1269@unc-c.UUCP>, <260@wu1.UUCP>
Organization: CSRG, University of Toronto
Lines: 11

It seems that a lot of the Mac discussion is/was related to
the initial startup excitement of the new product. Lately, the
Mac debate seems to be centered mainly over whether there should
be a separate newsgroup. Why don't we wait and see if there will
really be a continuing discussion of the Mac, beyond the "new product"
speculation. There really hasn't
been that much discussion in .net.micro.apple anyhow.
  Gregory Dudek.
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From 516966053534779365
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6e5e131827dcc20
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-12 14:08:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: Disk Protection (problems)#
Message-ID: <3511@utcsrgv.UUCP>
Date: Mon, 12-Mar-84 17:08:07 EST
Article-I.D.: utcsrgv.3511
Posted: Mon Mar 12 17:08:07 1984
Date-Received: Mon, 12-Mar-84 17:26:51 EST
References: <575@ihuxn.UUCP>
Organization: CSRG, University of Toronto
Lines: 31

It looks to me like your disk "backup" method will only work
on the simper protection schemes.
   For those of you who missed the lead-in article, it outlined
saving a memory image of a "locked" program by using the built-in
tape read/write code. The method for getting control of the Apple
was to re-route the RESET vector via the language card so that
you could use the monitor to capture the program.
At least, this was my understanding.
   The problem seems to be that:
   a) most well protected software uses a multi-stage boot (I
      would still call this "single disk access" loading), and
      the first stage often disables the language card.
   b) Some protected software keeps code "behind" the keyboard
      buffer so that typing things destroys it.
      (i.e. when you trys to type in the tape save command.)

   One method the "crackers" use to deal with software that
does these "neat" things is called "boot trace cracking". This
involves copying the bootstrap ROM code (at c600) and making it
branch back to the monitor after the first phase of boot, instead
of to the loaded code (at 0x0800). This procedure is then
repeated for each phase of the boot.
   To make this difficult for them, intermediate sections of the
code can be loaded at the monitors keyboard in buffer, or into
the screen buffer so then then control returns to the monitor, it
automatically erases the offending code.
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek
--
   Gregory Dudek
   {cornell,decvax,ihnp4,linus,utzoo,uw-beaver}!utcsrgv!dudek

From -6482778442040337600
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bea6518699a40020,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-13 13:28:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ittvax!ittral!hall
From: hall@ittral.UUCP (Doug Hall)
Newsgroups: net.micro.apple
Subject: Need info on Pascal RAMDISK
Message-ID: <383@ittral.UUCP>
Date: Tue, 13-Mar-84 16:28:49 EST
Article-I.D.: ittral.383
Posted: Tue Mar 13 16:28:49 1984
Date-Received: Wed, 14-Mar-84 19:14:50 EST
Lines: 12

[]

Does anyone out there have any info on software which allows the use of the extended memory on the Apple //e as a ramdisk in Apple Pascal? I have seen several ads for products along this line, but I've been told that some of them are not fully compatible, ie. they don't have a p-system volume designation. Any info on these programs? Better yet, does anyone know of a public domain ramdisk program for Apple Pascal? Any help is appreciated.

Doug Hall
...ittvax!ittral!hall

From -600413869603507316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,65f775c231ac7f38,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-13 13:46:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!floyd!vax135!cornell!uw-beaver!tektronix!hplabs!hp-pcd!orstcs!nathan
From: nathan@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Querry re 80 columns for Pascal on t
Message-ID: <15200009@orstcs.UUCP>
Date: Tue, 13-Mar-84 16:46:00 EST
Article-I.D.: orstcs.15200009
Posted: Tue Mar 13 16:46:00 1984
Date-Received: Fri, 30-Mar-84 03:38:21 EST
References: <671@houxf.UUCP>
Organization: Oregon State University - Corvallis, OR
Lines: 6

Nf-ID: #R:houxf:-67100:orstcs:15200009:000:167
Nf-From: orstcs!nathan   Mar 26 13:46:00 1984

For correctly handled 80 columns (by 48 lines, or 128 by 32) on a
//e, try the Videx Ultraterm.

(I am no longer (and not yet) affiliated with Videx.)

-orstcs!nathan

From 8283365157083612320
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6446ba1a8845edf1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-14 13:56:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!hofbauer
From: hofbauer@utcsrgv.UUCP (John Hofbauer)
Newsgroups: net.micro.apple
Subject: Apple University Consortium (query)
Message-ID: <3536@utcsrgv.UUCP>
Date: Wed, 14-Mar-84 16:56:58 EST
Article-I.D.: utcsrgv.3536
Posted: Wed Mar 14 16:56:58 1984
Date-Received: Wed, 14-Mar-84 17:12:02 EST
Organization: CSRG, University of Toronto
Lines: 2

Can someone provide me with a list of the Universities which
make up the Apple University Consortium.

From 7865515284173669478
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,70ae06103c83b4af,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,70ae06103c83b4af,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-14 14:33:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dciem.UUCP
Path: utzoo!dciem!mmt
From: mmt@dciem.UUCP (Martin Taylor)
Newsgroups: net.micro,net.micro.apple
Subject: Macintosh crashes with bad line power
Message-ID: <784@dciem.UUCP>
Date: Wed, 14-Mar-84 17:33:34 EST
Article-I.D.: dciem.784
Posted: Wed Mar 14 17:33:34 1984
Date-Received: Wed, 14-Mar-84 18:51:38 EST
Organization: D.C.I.E.M., Toronto, Canada

Lines: 25

On four occasions in the 10 days we have had our Mac, it has crashed
with checkerboard/ladder patterns on the screen and grunchy noises
from inside. The aftermath has been different each time: (1) lost
all folders off the Guided Tour of Write/Paint (and the tour wouldn't
run that way), (2) rebooted itself, no subsequent problem, (3) stopped
dead, no subsequent problem, (4) lost all folders from the main Write/Paint
disc.

I rebuilt the Write/Paint disc, knowing what files should be in what folders,
but couldn't rebuild the Guided Tour. Today I went to check it out, before
taking it to the dealer, but the disc was fine again. Apparently under
some conditions discs will rebuild themselves (? If they are used as the
boot disc ?). The dealer said that he had observed the same problem a
couple of times and had correlated it with his furnace going on, and
that therefore it was a problem of spikes or momentary drops of line-voltage.
According to at least one of the articles I read on the Mac, its power
supply should be immune to this sort of thing.

Does anyone know the truth of this matter? Should I get a line filter
or surge protector? Are the first delivered Mac's the same as what is
written about? Could the problem be something entirely different?
--

Martin Taylor
{allegra,linus,ihnp4,uw-beaver,floyd,ubc-vision}!utzoo!dciem!mmt

From -7343258699470459235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8d0246360002bb3e
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-14 14:51:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: notesfiles
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!hp-pcd!orstcs!nathan
From: nathan@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Proposed Mac Newsgroup - A No Vote
Message-ID: <15200006@orstcs.UUCP>
Date: Wed, 14-Mar-84 17:51:00 EST
Article-I.D.: orstcs.15200006
Posted: Wed Mar 14 17:51:00 1984
Date-Received: Tue, 20-Mar-84 01:30:22 EST
References: <696@houxz.UUCP>
Organization: Oregon State University - Corvallis, OR
Lines: 1
Nf-ID: #R:houxz:-69600:orstcs:15200006:000:8
Nf-From: orstcs!nathan   Mar 16 14:51:00 1984

agreed.

From 6436461397380630660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 122486,49129f11ee451089
X-Google-Attributes: gid122486,public
X-Google-Thread: 1622d3,88db0e2508908492
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-14 21:15:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-sally.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!ut-sally!jsq
From: jsq@ut-sally.UUCP (John Quarterman)
Newsgroups: net.micro.apple,net.news.group
Subject: Re: Macintosh Newsgroup
Message-ID: <1341@ut-sally.UUCP>
Date: Thu, 15-Mar-84 00:15:48 EST
Article-I.D.: ut-sally.1341
Posted: Thu Mar 15 00:15:48 1984
Date-Received: Sat, 10-Mar-84 08:45:49 EST
References: <1123@ut-sally.UUCP> <344@denelcor.UUCP> <337@dual.UUCP>
Organization: U. Texas CS Dept., Austin, Texas
Lines: 18

Actually, I contacted the administrator for INFO-MAC, and there
is already so much traffic just on the ARPANET mailing list that
he feels a USENET gateway would be inappropriate at this time.
He is also attempting to have the mailing list concentrate on
the schools in the consortium that got the special pricing deal.
Though if INFO-MAC goes to a digest format, it might then be
appropriate to gateway that one-way into fa.info-mac (you'd
mail submissions to one address rather than posting directly).

So. No INFO-MAC gateway for the moment. That leaves a USENET-only
newsgroup. There are several options, including:
     a) leave things alone and use net.micro.apple
     b) create net.micro.apple.mac for MAC and LISA traffic
     c) use net.micro.68K
     d) create a newsgroup of some other name (several suggestions).
--
John Quarterman, CS Dept., University of Texas, Austin, Texas
jsq@ut-sally.ARPA, jsq@ut-sally.UUCP, {ihnp4,seismo,ctvax}!ut-sally!jsq

From -6394331134735389441
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3c4a21e2af83eaae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-15 22:13:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site tektronix.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!decvax!ucbvax!ucbcad!tektronix!robertj
From: robertj@tektronix.UUCP (Robert Jaquiss)
Newsgroups: net.micro.apple

Subject: ex type editor wanted
Message-ID: <1846@tektronix.UUCP>
Date: Fri, 16-Mar-84 01:13:39 EST
Article-I.D.: tektroni.1846
Posted: Fri Mar 16 01:13:39 1984
Date-Received: Wed, 14-Mar-84 07:15:37 EST
Organization: Tektronix, Beaverton OR
Lines: 13

Is there such a thing as a ex style editor for the Apple? Strange as it may seem I need a editor that doesn't require cursor movement. I am blind and use a braille terminal which I attach to a serial port on the Apple. Thank you.

Robert S. Jaquiss

ucbvax!tektronix!robertj (uucp)
robert jaquiss@tektronix (csnet)
robert jaquiss.tektronix@rand-relay (arpanet)
(503) 627-6346 (audio phone at work)
#! __GoOgLE_
X-Google-ArrivalTime: 1984-03-15 22:27:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!brl-bmd!Telecom-Request@mit-mc
From: Telecom-Request%mit-mc@brl-bmd.UUCP (Telecom-Request@mit-mc)
Newsgroups: fa.telecom
Subject: TELECOM Digest V4 #35
Message-ID: <822@brl-bmd.UUCP>
Date: Fri, 16-Mar-84 01:27:33 EST
Article-I.D.: brl-bmd.822
Posted: Fri Mar 16 01:27:33 1984
Date-Received: Sun, 18-Mar-84 14:33:37 EST
Lines: 321

TELECOM Digest Friday, 16 Mar 1984 Volume 4 : Issue 35

Today's Topics:

My Experience with LMS
"Too large, too heavy, to send through the mail."
Re: station equipment, intellectual property, etc.
Re: Fire Prevention
Bell's National Security Group In Operation
Mrs. Landenberger wasn't the only one in NY to get zapped.
AC Power vs. step by step

Date: Mon, 12 Mar 84 11:36:59 EST
From: "John W. Kinch (VLD/REB)" <kinch@brl-voc>
Subject: My Experience with LMS

I live by myself, am home little and use the telephone at home only for a few calls, so I decided to try Local Measured Service when it was offered here in C&P land. I opted for the service in which one pays a charge for the dial tone and all calls are charged at .035 for the first minute and at .015 for subsequent minutes. I was assured that calls prefixed by 1 or 0 (long distance) or to certain exchanges (TPC for example) would not be charged as local calls. I was also assured that not just a count of the calls would be made, i.e. answer supervision would be available to the local equipment.

I received my first bill last week and was rather surprised. By my records which were kept quite carefully, I made 24 calls during the billing period. I did not time each call, just made a record of each call made. I was billed for 36 calls!. I was also billed for 26 additional minutes which is reasonable. I have talked to TPC billing about this and got nowhere. My exchange (301-728) was installed in the early 60's as a replacement for the old MADison exchange which was the last cordboard exchange in Baltimore City. From this date and the fact that I know it is not an ESS exchange, I assume it is a #5 Crossbar. Does anyone have any idea what kind of equipment is available for installation in this kind of exchange to provide LMS? >From the numbers above, it seems likely that I am being charged for all calls to all points and whether they are answered or not, but I can't prove it now. I am keeping much more careful records this month.

Since we are allowed to try LMS for four months at no charge for change in service class or for a change to another class during that time, I though it would be an interesting experiment. If anyone has any ideas on this matter I would be interested in hearing them.

Date: 12 Mar 1984 10:14-PST
Sender: GEOFF@SRI-CSL
Subject: "Too large, too heavy, to send through the mail."
From: the tty of Geoffrey S. Goodfellow <Geoff @ SRI-CSL>

n084 1827 11 Mar 84 BC-PHONE Woman Gets a $109,505.86 Phone Bill By ROBERT D. McFADDEN c. 1984 N.Y. Times News Service

NEW YORK - For weeks, Jane Landenberger had been receiving unusual telephone calls in her Bedford, N.Y., home. Then, last Monday, she got the oddest call of all - she was talking on the phone with a friend when an operator broke in to say that the telephone company was trying to reach her, and that it was urgent.

''It was a supervisor - a Mrs. Gackstatter in the business office in White Plains,'' Mrs. Landenberger recalled Sunday. ''She wanted to talk to me about my February phone bill. She said, 'It is excessive.' ''

''I was a little flip,'' Mrs. Landenberger said. ''I said: 'It was excessive last month, too. How excessive is it?'

''She said, 'It is $109,505.86.' ''

As if that wasn't enough, Mrs. Landenberger said, she was told that ''the bill was too large - too heavy - to send through the mail, so they were going to send it by United Parcel Service.''

''I thought, Oh, my God. This is something else!''

The next day, a UPS truck delivered the bill - all 2,578 pages of it, wrapped in five elastic-bound bundles that were nearly too heavy to lift. The bill recorded about 15,000 calls to and from Europe, South America, Africa, the Far East and points across the United States.

All had been charged to Mrs. Landenberger's telephone credit card - the one she cuts up each year so it will not be lost or stolen - in what New York Telephone Co. security officials Sunday called one of the biggest frauds of its kind ever.

It was done, apparently, by a host of people - no one knows yet how many - all of whom had to have known both Mrs. Landenberger's home telephone number and her telephone credit card number. How the call thieves got the numbers is unclear.

An investigation is under way to catch the culprits, who may have been involved in anything from college pranks to multi-million-dollar drug deals. But the malefactors' bogus credit has at least been cut off.

Telephone company officials have issued a new credit card to the dazed Mrs. Landenberger.

And to ease the shock of her bill somewhat, they have issued her a credit for $109,457.83, leaving a balance to be paid of $47.03, the total for her legitimate calls last month.

Still, the experience has left her a little unnerved.

''I have a feeling my phone number is up in every rest room from here to California,'' she said Sunday, as she leafed through the stacks and stacks of charges.

''Here's a four-hour call from Miami to Caracas for $200,'' she said. ''There are lots of calls to South America. There are calls to Libya, Nigeria, England, Italy, France, Alaska, the Philippines. They're from the United States mostly, the great majority of them from the Miami area.''

The strange tale of Jane Landenberger's telephone bill began last January, she said, when more than $300 in excess charges appeared.

''I called the company,'' she said. ''They were very nice about it. They called me back and said they had credited the $300 to my account.''

Then, early in February, the weird telephone calls began coming in at all hours of the day and night, leaving Mrs. Landenberger sleepless and puzzled. Some of the calls, she said, were placed by ''a man with a foreign-sounding voice.''

''He would ask for Magdeline or Sandra or Teresa or he would say 'Who is this?' '' she said Sunday. ''One night there were 19 calls. I got no sleep at all. I believe they were long-distance calls because the connection was kind of crinkly.

''I also began getting calls from telephone operators asking authority for third-party calls from Miami to Haiti, or Cincinnati to Mexico or Quebec to the United Kingdom. Of course I always refused permission, but that apparently didn't stop them.''

To stop the mysterious calls, Mrs. Landenberger eventually used a ruse suggested by telephone company security officials. The last time the stranger called, she flashed the operator and said - so that the caller could hear - ''Please trace this call.''

''That ended my receiving any more crazy calls, but apparently they were still charging calls to my account through February,'' she said.

A telephone company spokesman, Lon Braithwaite, said that a new credit card number was issued to Mrs. Landenberger on Feb. 21, but Mrs. Landenberger noted that many of the calls listed on her huge bill were dated after that.

When the phone company finally notified her of the size of her bill, Mrs. Landenberger said she got ''a tiny bit frightened.''

''I know I'm an honest person, and my friends all know that I'm an honest person, but what does the telephone company know about me,'' she said. ''As far as they are concerned, I'm not above susupicion. I could be running a numbers operation or something.''

The phone company evidently had no doubts about Mrs. Landenberger. But until further investigation, the spokesman said, it was unclear whether her case represented an aberration or a serious flaw in the security of telephone credit cards.

Unlike credit cards used in stores, telephone credit cards need never be shown to anyone.

A credit-card caller on a Touch-Tone phone simply punches in a personal identification number that is printed on the card. On rotary phones, the caller tells the number and some other information to the operator.

Mrs. Landenberger said she got her telephone credit card a decade ago so that she could call and receive calls from her children while they were away at college.

Now, she said, she sometimes uses it to call or take calls from her children, who are in France, the Philippines, New York City and Providence, R.I.

nyt-03-11-84 2126est **********

Date: Mon, 12 Mar 84 13:20:45 EST
From: Ron Natalie <ron@brl-vgr>
Subject: Re: station equipment, intellectual property, etc.

You should know that the FCC compliance regulations on the telephone are to protect the phone company from the phone, not the phone from the phone company. This was done to counter the claim form TPC that allowing phones other than theirs to be hooked up would degrade the central system.

-Ron

Date: Mon, 12 Mar 84 08:51 EST

From: Wegeng.Henr@PARC-MAXC.ARPA
Subject: Re: Fire Prevention

I guess that I should have clarified that the AT&T concern was with power line shorts on the telephone pole itself, not with plugging the phone cord into the wall outlet. I'm still wondering if this is a serious problem.

==dw

Date: 12-Mar-84 18:40 PST
From: William Daul Tymshare OAD Cupertino CA <WBD.TYM@OFFICE-2>
Subject: Bell's National Security Group In Operation
Location: <AUGMENT,107234,>

>From MICROWAVE SYSTEM NEW (Feb. 1984)

The Central Services Organization of the seven Bell Regional Holding Companies said that its National Security and Emergency Preparedness (NS/EP) Group, located in Washington D.C., is now operating to meet the nationwide telecommunications planning and response needs of the Bell companies.

In order to meet NS/EP requirements after the split-up of the Bell System the federal court agreement requires that the company establish and maintain a centralized communications group as a single point of contact for all national security and emergency preparedness matters, Marvin Konow, director of the group said.

The group will advise and provide coordination to the Bell Operating Companies (BOCs) in the development of national security and emergency preparedness technical standards and nationwide telecommunications planning. An emergency alerting and respone center has been formed to alert the BOCs in the event of an emergency or crisis, the spokesperson said. The group will also participate in national industry-wide groups sponsored by the government to coordinate emergency and crisis communications activities and nationwide network planning.

Date: 13 Mar 1984 13:51-PST
Sender: GEOFF@SRI-CSL
Subject: Mrs. Landenberger wasn't the only one in NY to get zapped.
From: the tty of Geoffrey S. Goodfellow <Geoff @ SRI-CSL>

n013 0747 13 Mar 84 PM-PHONE By ROBERT D. McFADDEN c.1984 N.Y. Times News Service
    NEW YORK - While the culprits who ran up $109,504.86 in global calls on a Westchester (N.Y.) County woman's telephone credit card

remained unidentified Monday, three more instances of similar fraud totaling more than $114,000 came to light.

The New York Telephone Co. said Dr. John Weinstock of Golden's Bridge got a 505-page bill for more than 4,000 fraudulent long-distance calls in February totaling $61,180.55. It also said a subscriber in Chappaqua, who asked not to be identified, got a bill for $18,399.77 in fraudulent February credit-card calls.

In yet another case, Barbara Zerzan, a resident of Manhattan, was reported to have received a 710-page bill for more than $35,000 in bogus credit-card calls during February. The telephone company said last night that it could not immediately confirm the report.

Meanwhile, investigators for the telephone company pored over the 2,578-page, 15,000-call February bill of Jane Landenberger, of Bedford, whose case was reported over the weekend.

The fact that three of the four cases involved Westchester County subscribers suggested that someone in the telephone company's White Plains office, which is the headquarters for the area, might have been the conduit for the subscribers, numbers. This possibility was under investigation, company officials said.

A company spokesman, Tony Pappas, said that telephone credit-card fraud was an increasingly serious problem.

''The problem of fraudulent calls has become a major concern of the company to a point where we have asked all employees to cooperate in protecting credit-card numbers and to let us know of abuses they might be aware of,'' said Pappas, the company's director of press relations.

With more than six million subscribers and one million credit cards in circulation in the state, the telephone company now confronts more than $14 million a year in fraudulent credit-card calls, Pappas said.

In the last two months, 29 people have been arrested on charges of misusing credit-card numbers. The charges are misdemeanors, meaning that they are punishable by fines and no more than one year in jail, Mr. Pappas said.

Unlike credit cards used in stores, telephone credit cards need never be shown. A caller using Touch Tone phones punches in a personal identification number printed on the card, and callers using rotary-dial phones give the number and usually some other information to an operator.

In each of the cases currently under investigation, Pappas said, the calls were evidently made by many people who had somehow obtained a subscriber's home telephone number and telephone credit-card number. The calls were made to and from numerous points in the United States, Europe, South America, Africa and the Far East.

The pattern of calls - often hundreds a day from widely separated points - suggested that the subscribers' numbers were circulated to many people quickly, before the volume and pattern of calls could become known to the authorities.

In each case, the credit cards were canceled by the subscribers, but, as the subsequent bills noted, the calls continued to be put through on those cards for some time afterward.

The frauds will not cost the subscribers anything. Mrs. Landenberger will be assessed only $47.03, her actual charges, and the

other subscribers will be accorded similar consideration.
    Dr. Weinstock, a physician, and his wife, Connie, a psychotherapist, were taken aback by their bill, which listed calls to Ecuador, Peru, China, Japan, Sweden and other places.
    The Weinstocks and Mrs. Landenberger did not know each another, but spoke by telephone over the weekend.
    ''I spoke to her Sunday night after we heard about her having the same problem,'' Mrs. Weinstock said. ''We were at a party, telling our fantastic story, and somebody said, '$61,000? That's nothing. There is a story about this woman who had $109,000.' ''

nyt-03-13-84 1046est **********

Date: Thu 15 Mar 84 01:39:23-EST
From: Ralph W. Hyre Jr. <RALPHW@MIT-XX.ARPA>
Subject: AC Power vs. step by step

Last night some real winners connected the AC power line across one of our Dormline instruments. (Dormline is the local MIT phone system connecting the dormitories. It is a step by step system).

This had the unfortunate effect of blowing out the first line finder for 100 phone numbers (the 6300 series), so many people had no dialtone. (Incoming calls could still be received.) Several instruments were damaged or destroyed by the excessive voltage, and started smoking.

Is this a 'normal' occurence with step-by-step (could it happen anywhere? - the MIT dormline system is ~30 years old)? Also, is there any way to protect against this happening in the future?

- Ralph Hyre

End of TELECOM Digest
****

From 6018674485456183206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,6fb96f4afe3d1b1a,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,6fb96f4afe3d1b1a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-16 13:20:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site stolaf.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!stolaf!jons
From: jons@stolaf.UUCP (Steven D. Jons)
Newsgroups: net.micro.apple,net.info-terms

Subject: Apple as a terminal
Message-ID: <1574@stolaf.UUCP>
Date: Fri, 16-Mar-84 16:20:02 EST
Article-I.D.: stolaf.1574
Posted: Fri Mar 16 16:20:02 1984
Date-Received: Sat, 17-Mar-84 03:44:02 EST
Organization: St. Olaf College, Northfield MN
Lines: 7

I have an Apple //e with a Hayes micro modem for the //e, and I am interested in using the system as a terminal on UNIX. If someone has already created an entry for termcap (terminal capability data base) corresponding to this system, I would appreciate any help. Also, I am using the terminal program provided by Hayes, and if you have any better suggestions...

Thanks in advance,
STEVE JONS, ihnp4!stolaf!jons

From -7611159642860972862
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,3e979f2f68d1a520,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,3e979f2f68d1a520,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-16 14:32:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-i
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!inuxc!pur-ee!CS-Mordred!Pucc-H:Pucc-I:ags
From: ags@pucc-i (Seaman)
Newsgroups: net.micro,net.micro.apple
Subject: Who needs another newsgroup?
Message-ID: <235@pucc-i>
Date: Fri, 16-Mar-84 17:32:31 EST
Article-I.D.: pucc-i.235
Posted: Fri Mar 16 17:32:31 1984
Date-Received: Sat, 17-Mar-84 03:58:57 EST
Organization: Purdue University Computing Center
Lines: 17

Over the past two weeks I count the following articles submitted to net.micro.apple:

Articles about II+ and //e	12	(0.86 per day)
Articles about Lisa/Mac	0	(0.00 per day)
Articles about new newsgroup	21	(1.50 per day)

I suppose if we form a new newsgroup, then at least the net.micro.apple readers won't have to "n" past all those articles about new newsgroups.

--

Dave Seaman
..!pur-ee!pucc-i:ags

"Against people who give vent to their loquacity
by extraneous bombastic circumlocution."

From 6319605438936443672
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d368343060059e07,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-17 02:54:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP
Newsgroups: net.micro.apple
Subject: Re: Need info on Pascal RAMDISK - (nf)
Message-ID: <1095@inmet.UUCP>
Date: Sat, 17-Mar-84 05:54:39 EST
Article-I.D.: inmet.1095
Posted: Sat Mar 17 05:54:39 1984
Date-Received: Wed, 21-Mar-84 01:35:37 EST
Lines: 19

#R:ittral:-38300:inmet:17900006:000:705
inmet!muller   Mar 16 19:49:00 1984

***** inmet:net.micro.appl / ittral!hall / 4:28 pm Mar 13, 1984
[]

     Does anyone out there have any info on software which allows the
use of the extended memory on the Apple //e as a ramdisk in Apple
Pascal? I have seen several ads for products along this line, but
I've been told that some of them are not fully compatible, ie. they
don't have a p-system volume designation. Any info on these programs?
Better yet, does anyone know of a public domain ramdisk program for
Apple Pascal? Any help is appreciated.

                              Doug Hall
                              ...ittvax!ittral!hall

Please respond with a note, not mail, since others of us are interested also.
Thanks.

From -8778933051505653114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3efe60aa495eb16e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-17 02:55:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!harpo!decvax!cca!ima!inmet!muller
From: muller@inmet.UUCP

Newsgroups: net.micro.apple
Subject: ADC hardware query - (nf)
Message-ID: <1096@inmet.UUCP>
Date: Sat, 17-Mar-84 05:55:38 EST
Article-I.D.: inmet.1096
Posted: Sat Mar 17 05:55:38 1984
Date-Received: Wed, 21-Mar-84 01:36:18 EST
Lines: 12

#N:inmet:17900007:000:356
inmet!muller   Mar 16 20:09:00 1984

***
Does anyone out there have experience with the ADC hardware
for the A IIe made by Lawson Labs, Columbia Falls, Montana?
Does their stuff work? Is it easy to do data acquisition from
PASCAL? Do they offer good documentation or software or any
explanation of how to use their stuff?   Thanx.

Jim Muller
harpo!inmet!muller   or   ima!inmet!muller

From 6202479703626499197
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,6fb96f4afe3d1b1a
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,6fb96f4afe3d1b1a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-17 11:46:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!zehntel!zps!digger
From: digger@zps.UUCP (Scott A. Miles)
Newsgroups: net.micro.apple,net.info-terms
Subject: Re: Apple as a terminal
Message-ID: <160@zps.UUCP>
Date: Sat, 17-Mar-84 14:46:36 EST
Article-I.D.: zps.160
Posted: Sat Mar 17 14:46:36 1984
Date-Received: Wed, 21-Mar-84 02:25:10 EST
References: stolaf.1574
Lines: 9

> Could you please post this info to the net. I am sure there are
> many people that would like to see it. Including myself.

Thanks

Scott Miles
zehntel!zps!digger

From 7943401871917467054
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,9d6f88b4052bc2b0,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,9d6f88b4052bc2b0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-03-17 20:34:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple,net.wanted
Subject: Mac QuickDraw info wanted...
Message-ID: <1390@aluxe.UUCP>
Date: Sat, 17-Mar-84 23:34:26 EST
Article-I.D.: aluxe.1390
Posted: Sat Mar 17 23:34:26 1984
Date-Received: Sun, 18-Mar-84 08:35:35 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 19

Does anyone in netland have any programmer's information describing
the QuickDraw graphics routines for the Mac ?

The Microsoft BASIC manual references a "QuickDraw Programmer's Guide",
does such a beast exist yet?

And while I'm at it, any information on 'C' compiler(s). With a
good K&R 'C' and the Mac toolbox, the possibilities are endless.

I hope we can get some good discussion on program development
for the Mac as more become available.

Lonnie R. Abelbeck
AT&T Bell Laboratories
aluxz!aluxe!lra

From 8820363797444921963
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9db6c5317b6601d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-17 04:47:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxl.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!vax135!ariel!houti!hogpc!drux3!ihnp4!
ihuxl!dcn
From: dcn@ihuxl.UUCP
Newsgroups: net.micro.apple
Subject: Another Aztec C tool posted to net.sources

Message-ID: <752@ihuxl.UUCP>
Date: Thu, 17-Nov-83 07:47:07 EST
Article-I.D.: ihuxl.752
Posted: Thu Nov 17 07:47:07 1983
Date-Received: Sat, 19-Nov-83 00:57:33 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 9

I promised to post my simple version of dc (from the C book)
and I finally got it here. When I did the first batch of tools
I couldn't get it to compile. I later found that the floating
point library must be included. The only indication of this
was a run-time error in the dc program when I tried to print
the number. I was surprised that no undefined symbols were
discovered during the link. Any ideas?

Dave Newkirk, ihnp4!ihuxl!dcn

From -2603751163145264087
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a71d876863ed0d42,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-17 09:01:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!myers
From: myers@utcsrgv.UUCP (Brad A. Myers)
Newsgroups: net.micro.apple
Subject: Magazines about small computers
Message-ID: <2750@utcsrgv.UUCP>
Date: Thu, 17-Nov-83 12:01:22 EST
Article-I.D.: utcsrgv.2750
Posted: Thu Nov 17 12:01:22 1983
Date-Received: Thu, 17-Nov-83 12:28:24 EST
Organization: CSRG, University of Toronto
Lines: 6

My father just bought an Apple IIe. I want to get him a subscription
to a magazine about computers for Xmas. Which magazine would be better:
Byte, Personal Computing, Creative Computing, or Nibble? Is there any
reason (other than price) for choosing one over another?
Thanks,
Brad P.S. Please send mail to me directly.

From -1693445585460070761
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd430e061f735d91,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-17 17:45:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP

Path: utzoo!linus!decvax!duke!unc!mcnc!ecsvax!alford
From: alford@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: super-mx interface?
Message-ID: <1551@ecsvax.UUCP>
Date: Thu, 17-Nov-83 20:45:24 EST
Article-I.D.: ecsvax.1551
Posted: Thu Nov 17 20:45:24 1983
Date-Received: Tue, 22-Nov-83 00:40:14 EST
Lines: 16

I would like to know whether anyone has used the Super-MX Epson interface card from Spies Laboratories. This card claims to have all of the standard features found on cards like the Grappler, and, in addition, to print nearly daisywheel quality characters using two passes in graphics mode. The results reproduced in their advertisements seem to support this claim, but I've noticed that the standard Epson print they include also looks better than usual, maybe due to the higher contrast of the reproduction. Anyway, I'd like to see a full page of real text, or hear from someone who has, before I spend the $200 or so that the card costs. The card also can add several fonts, including what appear in the ads to be very nice Roman, Letter Gothic, Orator, Script, and Old English; it can print 12 cpi in at least the Roman font. It sounds great-has anyone out there got/seen one? I'll summarize any responses.

Ross Alford
...!decvax!mcnc!ecsvax!alford

From -2792021214948099257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,56323127826d03c3
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,56323127826d03c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-18 05:35:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site aplvax.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.games,net.micro.apple
Subject: Re: WIZARDRY II - Knight of Diamonds - hint wanted
Message-ID: <423@aplvax.UUCP>
Date: Fri, 18-Nov-83 08:35:29 EST
Article-I.D.: aplvax.423
Posted: Fri Nov 18 08:35:29 1983
Date-Received: Sat, 19-Nov-83 23:33:15 EST
References: <2012@allegra.UUCP> <397@cbscc.UUCP>
Organization: JHU/Applied Physics Lab, Laurel, MD
Lines: 16

I don't have my maps here at work, but I will try and

find where the sword was and let you know. I am now working on
the third scenario, and it is great. I finished Knight in about
2 weeks, but am taking much longer on Legacy. For one thing, you
need to have both a good and an evil team. This tends to slow development
for any one team (although I do have a mage that is neutral that travels
with both). Has anyone finished this one yet? Never can tell when
I may need some hints.

BTW, I did not get the original article this was a response
to? Where did it come from, and any ideas why it didn't get here?

--
eric
...!seismo!umcp-cs!aplvax!eric

From 6516403110866101992
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7cfcff0d1e8113,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-18 09:14:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Look Alike Drive Question - (nf)
Message-ID: <2073@harpo.UUCP>
Date: Fri, 18-Nov-83 12:14:14 EST
Article-I.D.: harpo.2073
Posted: Fri Nov 18 12:14:14 1983
Date-Received: Sat, 19-Nov-83 22:50:15 EST
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 19

#N::37600002:000:533
!bob   Nov 18 12:13:00 1983

I have recntly purchased CUBIT, a QBERT imitation & find that while it will
boot on a genuine APPLE drive, it will not boot on a Shugart-based lookalike
by TRAK which I just purchased. It's a full size drive.
The speed is very close, and an alignment test using a disk written on an
APPLE drive shows my look-alike alignment to be virtually identical.
Can anyone give me any help on how to overcome the problem?

R. L. Carroll
BTL Whippany
Rm 2E232A
Whippany, N.J. 07981
harpo!bob

201-386-2609

From -4031798193839400249
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7cfcff0d1e8113
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-18 09:16:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Look Alike Drive Question - (nf)
Message-ID: <2074@harpo.UUCP>
Date: Fri, 18-Nov-83 12:16:39 EST
Article-I.D.: harpo.2074
Posted: Fri Nov 18 12:16:39 1983
Date-Received: Sat, 19-Nov-83 22:51:48 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 19

#N::37600002:000:533
!bob   Nov 18 12:13:00 1983

I have recntly purchased CUBIT, a QBERT imitation & find that while it will
boot on a genuine APPLE drive, it will not boot on a Shugart-based lookalike
by TRAK which I just purchased. It's a full size drive.
The speed is very close, and an alignment test using a disk written on an
APPLE drive shows my look-alike alignment to be virtually identical.
Can anyone give me any help on how to overcome the problem?

R. L. Carroll
BTL Whippany
Rm 2E232A
Whippany, N.J. 07981
harpo!bob
201-386-2609

From 4724686967470668649
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15eac6,afdfe1a2ed2084ae,start
X-Google-Attributes: gid15eac6,public
X-Google-Thread: 1622d3,afdfe1a2ed2084ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-18 13:03:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!harpo!utah-cs!brownc
From: brownc@utah-cs.UUCP (Eric C. Brown)

Newsgroups: net.info-terms,net.micro.apple
Subject: Termcap Request for Apple][
Message-ID: <2233@utah-cs.UUCP>
Date: Fri, 18-Nov-83 16:03:01 EST
Article-I.D.: utah-cs.2233
Posted: Fri Nov 18 16:03:01 1983
Date-Received: Sun, 20-Nov-83 00:16:42 EST
Lines: 13

{Oh great and mighty gods of NEWS!! Do NOT eat this message!!}

I realize most of you out there are really sick and tired of hearing about
termcap requests that have been repeated over and over again, but here I
go!!

Does anybody have a termcap for an Apple][+ with a Videx Videoterm
80-column card?

please reply by MAIL.

Thanks in advance,
     Eric C. Brown.

From 7200559438802241072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,56323127826d03c3
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,56323127826d03c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-19 02:13:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site utcsstat.UUCP
Path: utzoo!utcsstat!laura
From: laura@utcsstat.UUCP (Laura Creighton)
Newsgroups: net.games,net.micro.apple
Subject: Re: WIZARDRY II - Knight of Diamonds - hint wanted
Message-ID: <1451@utcsstat.UUCP>
Date: Sat, 19-Nov-83 05:13:16 EST
Article-I.D.: utcsstat.1451
Posted: Sat Nov 19 05:13:16 1983
Date-Received: Sat, 19-Nov-83 06:58:54 EST
References: <2012@allegra.UUCP>, <397@cbscc.UUCP>
Organization: U. of Toronto, Canada
Lines: 7

is there any way to reinitialise the goodies on Wizardry 1?
I just teleported into a wall by mistake while i was carrying
good stuff. Nuking my brother's best character is bad enough --
have I just made it impossible for him to win the game?

laura creighton
utzoo!utcsstat!laura

From -8952849739893064434
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e095383a83b23107,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-21 19:42:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site noscvax.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!noscvax!cunningh
From: cunningh@noscvax.UUCP
Newsgroups: net.micro.apple
Subject: page.c for Aztec posted in net.sources.
Message-ID: <279@noscvax.UUCP>
Date: Mon, 21-Nov-83 22:42:33 EST
Article-I.D.: noscvax.279
Posted: Mon Nov 21 22:42:33 1983
Date-Received: Wed, 23-Nov-83 10:45:31 EST
Organization: Naval Ocean Systems Center, San Diego
Lines: 5

I took aluxe!ira's excellent, fast, version of more.c and converted it
to page.c. Enjoy.
--
Bob Cunningham   ..sdcsvax!noscvax!cunningh
21 17' 35" N 157 49' 38" W   MILNET: cunningh@nosc-cc

From 1796541246379273280
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97dff352e5fd3caa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-22 12:16:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxl.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!clyde!ihnp4!ihuxl!rjtm
From: rjtm@ihuxl.UUCP (Rich)
Newsgroups: net.micro.apple
Subject: Apple Pascal and the RAMDISK
Message-ID: <764@ihuxl.UUCP>
Date: Tue, 22-Nov-83 15:16:27 EST
Article-I.D.: ihuxl.764
Posted: Tue Nov 22 15:16:27 1983
Date-Received: Fri, 25-Nov-83 09:33:49 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 18

Has anyone out there used Apple Pascal on an Apple system with a RAMDISK?
(I think RAMDISK is the correct term, I'm referring to the external
peripheral device which is actually a bunch of RAM but appears to the
Apple as two disk drives.)

Is there a marked improvement in such things as compile times in Pascal

when using the RAMDISK instead of a real disk, and does anyone have a rough estimate of the improvement.

A friend of mine told me that when using the RAMDISK with DOS files, it did not perform as well with text files as with binary files. Does anyone know if this is true and why? Does this have any effect on its use with Pascal.

Any info would be appreciated.

Thanks,

Rich

From -6642539105286799097
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,af503ba2c6ed690d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-22 18:41:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!decvax!duke!jhb@ecsvax.UUCP
From: jhb@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Look Alike Drive Question - (nf)
Message-ID: <1571@ecsvax.UUCP>
Date: Tue, 22-Nov-83 21:41:52 EST
Article-I.D.: ecsvax.1571
Posted: Tue Nov 22 21:41:52 1983
Date-Received: Sat, 26-Nov-83 07:26:12 EST
References: harpo.2073
Lines: 15

If you have a piece of software which will boot on an Apple drive but not on an Apple look-alike drive, you are unfortunately out of luck. The Apple drives are capable of performing various feats which they weren't designed to do: stepping every quarter track, writing to more than 35 tracks, and having reproduceable times between tracks. These features have been used by many of the copy protection schemes because they are "unreadable" by standard copy programs. A protection scheme might include some essential data in track 36, some data written on track 12.25, and have tracks 15 and 16 synchronized, for example. Many of the Apple look-alikes aren't capable of reproducing these tricks: slightly different electronics, or hardware that was designed slightly differently. Those drives just can't run software which uses some of the crazy protection schemes.
-Joe Budge

}i

From -1721200761043749444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4fe41a5d7a167378,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-23 00:40:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!decvax!duke!phs!anderson@uwvax.ARPA
From: anderson@uwvax.ARPA
Newsgroups: net.micro.apple
Subject: Reviews of The Mill and Micromotion FORTH
Message-ID: <1158@uwvax.UUCP>
Date: Wed, 23-Nov-83 03:40:46 EST
Article-I.D.: uwvax.1158
Posted: Wed Nov 23 03:40:46 1983
Date-Received: Sun, 27-Nov-83 03:31:34 EST
Lines: 53

Relay-Version:version B 2.10.1 6/24/83; site duke.UUCP
Posting-Version:version B 2.10 5/3/83; site uwvax.ARPA
Path:duke!decvax!harpo!seismo!uwvax!anderson
Message-ID:<1158@uwvax.ARPA>
Date:Wed, 23-Nov-83 03:40:46 EST
Organization:U of Wisconsin CS Dept

The following two products for the Apple have been of considerable utility to me:

1) Micromotion FORTH

This software product is a complete and unified programming environment. It includes its own disk operating system (crude, but easily extensible, as are most well-designed things in FORTH), full-screen editor (full-screen, crude), and FORTH compiler. Everything is memory-resident, and you can get by easily with one disk drive. I believe the system costs around $100 and for another $50 or so you can get floating point support and high-resolution graphics utilities, both of which are very complete and fast.

FORTH is not, as it stands, a dream language. But the debug cycle is so fast in this system that you end up accomplishing things at a far greater rate than you would in most others. An added advantage is that you have absolute knowledge of the guts of the system. This, for example, enabled me to implemented multi-tasking capability with relative ease.

2) The Mill 6809 coprocessor (made by Stellation Two)

This board has a 1 MHz 6809E processor which shares the Apple bus. When the 6809 is running it uses the DMA line to put the 6502 on hold, for about 80% of the memory cycles. The 6502 runs in the 6809's "dead" cycles. So, to some extent, there is true shared-memory multiprocessing. The 6809 can be started and stopped, and either processor can interrupt the other, under software control. You can get 3

different software packages: a PASCAL accelerator, a 6809 macro assembler (which I have, and highly recommend), and the OS/9 operating system.

I used the Mill, and an EPROM programmer card, to write monitor and BIOS ROMS for a homebrew 6809 system -- it was extremely convenient. Another interesting use would be as a dual-processor FORTH machine; using a table mechanism, one copy of each FORTH word would suffice.

If anyone does or has done something interesting with these or other Apple goodies, please mail me.

uwvax!anderson (David Anderson)

From -5055674389154856573
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6bc2ffd59d3a671,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-23 06:21:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site hlexa.UUCP
Path: utzoo!linus!decvax!genrad!grkermit!masscomp!clyde!ihnp4!hlexa!ips
From: ips@hlexa.UUCP (irwin seltzer)
Newsgroups: net.micro.apple
Subject: request for info on accessing UNIX from an Apple
Message-ID: <636@hlexa.UUCP>
Date: Wed, 23-Nov-83 09:21:06 EST
Article-I.D.: hlexa.636
Posted: Wed Nov 23 09:21:06 1983
Date-Received: Sat, 26-Nov-83 04:11:56 EST
Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 20

I realize this question has probably been asked before, but I'm new to the net.

Could those knowledgeable please mail me information on communications software/hardware they have successfully used to access UNIX on an Apple (hopefully as an intelligent terminal) ?

I have the following equipment:

Apple II e (64K)
2 drives
80 column card
Microsoft Softcard
1 Trimline telephone (brown)

Thanks in advance for any help.

Irwin Seltzer

From -2053742128526908362
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,11d2a755bafb18ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-23 09:53:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxv.UUCP
Path: utzoo!linus!decvax!genrad!grkermit!masscomp!clyde!floyd!harpo!eagle!mhuxl!
mhuxv!gulka
From: gulka@mhuxv.UUCP
Newsgroups: net.micro.apple
Subject: z80 card
Message-ID: <1159@mhuxv.UUCP>
Date: Wed, 23-Nov-83 12:53:01 EST
Article-I.D.: mhuxv.1159
Posted: Wed Nov 23 12:53:01 1983
Date-Received: Sat, 26-Nov-83 04:24:06 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 2

does anyone out there know where i can get a CHEAP z80 card, new or
othwerwise!!! thank you

From -8670261074085580746
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e60620d22ca82e0f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-23 15:42:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site allegra.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!eagle!allegra!jac
From: jac@allegra.UUCP
Newsgroups: net.micro.apple
Subject: Z-80 boards (sources for them)
Message-ID: <2036@allegra.UUCP>
Date: Wed, 23-Nov-83 18:42:27 EST
Article-I.D.: allegra.2036
Posted: Wed Nov 23 18:42:27 1983
Date-Received: Tue, 29-Nov-83 05:57:50 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 18

subject:cheap Z-80 cards

    There is a place in Illinois named XICOM. They sell
Taiwan Boards for many of the popular interface cards, apple
motherboards....(write me if you don't know what I'm talking
about when I say " Taiwan ".) For reasonable prices, bareboard

or assembled/tested. I seem to remember their prices were ~18
bucks for a bareboard(mine cost ~40 to build) and ~60 for an
assembled/tested one. They are quite a nice company to deal
with. I don't have the address handy, but they advertise in
Computer Shopper.

Jonathan A. Chandross
Bell Laboratories Murray Hill
Allegra!jac

PS: THE OPINIONS EXPRESSED ABOVE ARE NOT NECESSARILY THE OPINIONS
     OF MY EMPLOYERS. NOR ARE THEY NECESSARILY CONDONED OR ENCOURAGED.

From -601656689352824981
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,81d50cf73b583a98,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,81d50cf73b583a98,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1983-11-24 13:04:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site denelcor.UUCP
Path: utzoo!linus!philabs!seismo!hao!denelcor!lmc
From: lmc@denelcor.UUCP (Lyle McElhaney)
Newsgroups: net.micro.pc,net.micro.apple
Subject: A new IBM-compat from Apple?
Message-ID: <219@denelcor.UUCP>
Date: Thu, 24-Nov-83 16:04:36 EST
Article-I.D.: denelcor.219
Posted: Thu Nov 24 16:04:36 1983
Date-Received: Sun, 27-Nov-83 02:40:10 EST
Organization: Denelcor, Aurora, CO
Lines: 37

A New Apple, Claiming to be IBM Compatible?

A word from my friendly local Apple dealer:

"The MACINTOSH has been the works for at least two years and there is still
some debate on its ultimate configuration. Apple is expected to introduce
its new contender early in 1984 and will pose a challenge to IBM's Peanut.

Unlike the Peanut, a standard MacIntosh will include a monitor,
professional keyboard, and a disk drive. It is expected to sell for about
$2000, only 25% more than a fully loaded Peanut. The MacIntosh is a
derivative of the Lisa. The MacIntosh is based on a 68000....it uses a
newer, perhaps more sophisticated operating system than IBM's PC-DOS
[???!!???!?].

Apple, however, is hedging its bets and plans to broaden the base of the
software that will run on the MacIntosh. John Scully, Chief exec officer

of Apple, has reportedly ordered the MacIntosh to be compatible with the PC. Just how Apple plans to achieve this compatibility remains to be seen [you ain't whistlin' Dixie there]. The MacIntosh is unlikely to have internal expansion slots, but Apple may be able to perform a little magic on the 68000 to allow it to use programs written for the other microprocessors.

Several features may indeed make the MacIntosh more marketable. First, the MacIntosh is designed primarily for business applications; its larger memory capacity and high resolution monitor support that claim. Secondly, it will be promoted for use in education. (A university out East contracted for 3000, sight unseen [anyone know who?].) And third, several independent software developers have had the MacIntosh for the past 18 months, and when it is finally unveiled, buyers should find ample software support."

For what its worth.

Lyle McElhaney
..(hao,nbires,brl-bmd)!denelcor!lmc

From -2921567751717433077
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,97dff352e5fd3caa
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-25 09:58:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dave
From: dave@utcsrgv.UUCP (Dave Sherman)
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal and the RAMDISK
Message-ID: <2815@utcsrgv.UUCP>
Date: Fri, 25-Nov-83 12:58:59 EST
Article-I.D.: utcsrgv.2815
Posted: Fri Nov 25 12:58:59 1983
Date-Received: Fri, 25-Nov-83 14:04:52 EST
References: <764@ihuxl.UUCP>
Organization: The Law Society of Upper Canada, Toronto
Lines: 19

I have used the RAMDISK under Apple Pascal 1.1. It's great if you're in for a long session. I was working on a large project with 9 different source files, and I put them (and the compiler) on the RAM. It made a huge difference - a 10-minute compile became about four minutes. Also, flipping in and out of the editor (i *wish* you didn't have to quit the editor to get a new file!) becomes much more comfortable.

It takes a while to get it loaded, though, and you do have to remember to save your "files" on a real diskette every so often. Unless you're spending a lot of continuous time on the machine, it's not worth it.

The program which loads files from your diskettes to the RAM is a

little strange. Its mechanism for selecting files leaves a lot to be
desired. It also plays a little tune which gets annoying after a while.

Dave Sherman
Toronto
--
 {allegra,cornell,decvax,ihnp4,linus,utzoo}!utcsrgv!dave

From 4011163817021860766
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,81d50cf73b583a98
X-Google-Attributes: gid15517a,public
X-Google-Thread: 1622d3,81d50cf73b583a98
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-28 14:17:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!duke!unc!mcnc!ecsvax!jhb
From: jhb@ecsvax.UUCP
Newsgroups: net.micro.pc,net.micro.apple
Subject: Re: A new IBM-compat from Apple?
Message-ID: <1617@ecsvax.UUCP>
Date: Mon, 28-Nov-83 17:17:56 EST
Article-I.D.: ecsvax.1617
Posted: Mon Nov 28 17:17:56 1983
Date-Received: Wed, 30-Nov-83 03:15:14 EST
References: denelcor.219
Lines: 34

Since I like my job, I can't comment on the speculations regarding
MacIntosh's features or prices. I thought I'd clarify how Apple is
making its machines IBM PC compatible.

To achieve compatiblility the Apple needs:

- Disk drives that work
- A new microprocessor
- A different memory configuration

All this is provided on something like the CP/M cards out there by
telling the 6502 to go to sleep and substituting a new processor. The
hardware still knows enough to call on the 6502 for I/O.

Emulating a PC is a little tougher, though, because one wants PC disks
to run on the system. Well, the PC uses the index holes on diskettes
(it's hard sectored). Apple diskettes are completely soft-sectored,
so Apple doesn't bother to install the extra hardware necessary for
hard-sectoring. This makes reading PC disks a bit tough.

The solution is to plug in a box that has the appropriate disk drives
in it. Apple has announced that Rana will be building these boxes.
The drives will be able to read either Apple or PC disks. The box
will also contain the new processor, etc.

Now, that's how it will work in the Apple II and III. I leave it as
an excercise for the student to guess how it will work for Macintosh.

- Joe Budge
Apple Computer

From 4022892837137508561
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,af81f5ba99a081b1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-29 08:47:44 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!linus!security!genrad!decvax!ittvax!dcdwest!sdcsvax!sdccs6!ix454
From: ix454@sdccs6.UUCP
Newsgroups: net.micro.apple
Subject: Apple Communication card modification
Message-ID: <1218@sdccs6.UUCP>
Date: Tue, 29-Nov-83 11:47:44 EST
Article-I.D.: sdccs6.1218
Posted: Tue Nov 29 11:47:44 1983
Date-Received: Thu, 1-Dec-83 04:08:19 EST
Organization: U.C. San Diego
Lines: 10

Does anyone have a diagram of the wiring needed to change the Apple
Communications card (A2B0003X, the old 110/300 baud one) from the
standard speeds to 9600/? baud. Wiring for changing to 1200/300 and
4800/1200 are given in the manual, but no word of 9600. We had one,
but it disappeared in a robbery one night, and we'd like to have another.

Thanks in advance,
--
  Allyn Fratkin
  U.C. San Diego

From -7779104512573632171
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,219f32a1d8b3d453,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-30 06:42:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!linus!decvax!dartvax!davidk
From: davidk@dartvax.UUCP (David C. Kovar)
Newsgroups: net.micro.apple

Subject: Modem7 wanted
Message-ID: <448@dartvax.UUCP>
Date: Wed, 30-Nov-83 09:42:25 EST
Article-I.D.: dartvax.448
Posted: Wed Nov 30 09:42:25 1983
Date-Received: Fri, 2-Dec-83 00:02:32 EST
Organization: Dartmouth College
Lines: 18

[]
I am trying to find a program for the apple that uses the Modem7
protocol for file transfer. If anyone can provide the source or
pointers to the source I would be most grateful. Please mail
replies as I do not usually read this group. Thanks in advance.

--
David C. Kovar
Usenet: {linus, decvax}!dartvax!davidk
ARPA: kovar@MIT-ML (Infrequent)

U.S. Snail HB 3140
Dartmouth College
Hanover NH
03755

"The difficult we did yesterday, the impossible we are doing now."

From 788936362952415396
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,8b58ff4b6ff01858,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1433f1,8b58ff4b6ff01858,start
X-Google-Attributes: gid1433f1,public
X-Google-Thread: 1622d3,8b58ff4b6ff01858,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-30 08:52:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!houxm!hogpc!houxp!rs173
From: rs173@houxp.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.zx
Subject: Remote-control of appliances from computer
Message-ID: <332@houxp.UUCP>
Date: Wed, 30-Nov-83 11:52:36 EST
Article-I.D.: houxp.332
Posted: Wed Nov 30 11:52:36 1983
Date-Received: Fri, 2-Dec-83 00:05:55 EST
Lines: 17

I am intersested in controlling appliances such as lights,
tape recorders, et. from my home computer. I have the BSR remote
control system, including controller,clock,ultrasonic remote,lamp dimmers,

and appliance modules.

The computers which I would use for control are my appleII+, and/or my Sinclair ZX81(Timex 1000).

If you know of companies which offer BSR-compatible interfaces, or of articles which describe their construction, please let me know about them.

thanks....

Ron Silver ...houxp!rs173
or
(201)834-1107

From 7193771308182578475
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a9bd2af83f434369,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-30 18:00:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site slinac.UUCP
Path: utzoo!linus!decvax!harpo!utah-cs!sask!slinac!reid
From: reid@slinac.UUCP
Newsgroups: net.micro.apple
Subject: Utilities for AZTEC C Apple system
Message-ID: <141@slinac.UUCP>
Date: Wed, 30-Nov-83 21:00:37 EST
Article-I.D.: slinac.141
Posted: Wed Nov 30 21:00:37 1983
Date-Received: Sun, 4-Dec-83 22:52:58 EST
Organization: LINAC, U. of Sask., Saskatoon CANADA
Lines: 12

I have working versions of tr (translit) and sort working
on my Apple. As well, I hope to get a limited version of
nroff up over the Christmas holidays. Send me some mail;
I'm willing to trade for other unix-like utilities.

Irving Reid (utah-cs!sask!slinac!reid)
yes, that's the shortest path (I think) from the US

Electron Accelerator Lab
University of Saskatchewan
Saskatoon, Saskatchewan, Canada
(but please use the net)

From -467070607054705758
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e395d5d168aace56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-01 08:32:34 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!clyde!akgua!sb1!sb6!bpa!burdvax!sjuvax!
armstron
From: armstron@sjuvax.UUCP
Newsgroups: net.micro.apple
Subject: request for macintosh info
Message-ID: <171@sjuvax.UUCP>
Date: Thu, 1-Dec-83 11:32:34 EST
Article-I.D.: sjuvax.171
Posted: Thu Dec 1 11:32:34 1983
Date-Received: Sun, 4-Dec-83 02:52:07 EST
Organization: Saint Josephs U. Philadelphia, PA
Lines: 14

Is there anyone out there who has any information that can be revealed on Apple's soon to be announced MACINTOSH other than what has already been given. (Which happens to be practically verbatim with an article in this month's issue of either POPULAR COMPUTING or PERSONAL COMPUTING (sorry, I forget which))

Thanx,
Len Armstrong
St. Joseph's University

P.S.
To the previous inquiry made on the net, DREXEL UNIVERSITY, right here in Philadelphia is the school which has contracted to purchase 3000 of the new machines.

From -650534007238866799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,813d098a9a99e25a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-01 10:58:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!akgua!sb1!sb6!bpa!burdvax!presby!
seismo!rlgvax!cvl!umcp-cs!feldman
From: feldman@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Sargon III
Message-ID: <4158@umcp-cs.UUCP>
Date: Thu, 1-Dec-83 13:58:37 EST
Article-I.D.: umcp-cs.4158
Posted: Thu Dec 1 13:58:37 1983
Date-Received: Sun, 4-Dec-83 08:34:43 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 7

Has anyone out there tried Sargon III? Is it faster/better than Sargon][?
What options (save game, change sides, etc.) have been added? How much is

it and is it worth the price?

-- mark feldman -- UUCP : {seismo,allegra,brl-bmd}!umcp-cs!feldman
                    CSNet : feldman@umcp-cs
                    Arpa : feldman.umcp-cs@CSNet-relay

From -8978398572586933082
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,49e60d5a29420a65,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,49e60d5a29420a65,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,49e60d5a29420a65,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-02 16:45:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucsfcgl.UUCP
Path: utzoo!linus!decvax!tektronix!ucbcad!ucbvax!ucsfcgl!pc260
From: pc260@ucsfcgl.UUCP
Newsgroups: net.micro,net.micro.atari,net.micro.apple
Subject: Re: "apple as terminal with modem7"
Message-ID: <295@ucsfcgl.UUCP>
Date: Fri, 2-Dec-83 19:45:18 EST
Article-I.D.: ucsfcgl.295
Posted: Fri Dec 2 19:45:18 1983
Date-Received: Mon, 5-Dec-83 22:37:52 EST
References: <404@reed.UUCP>
Organization: Computer Graphics Lab, San Francisco
Lines: 20

There have been several notes about the above. You need an
Apple running CP/M (not necessarily but this is a good way) with
disk drive and 80 cols. You need a serial card (I recommend the
CCS 7710D) and a modem.

Next you need software. ZTERM Professional is very good with a nice
macro capability for about $120. However, MODEM7 has everything
but the macros AND you get source code, plus batch transfers of
files to another MODEM7. The latest version around that I have seen
is MDM712.COM. There is an associated library called MDM712.LBR which
contains the object code, documentation and a bunch of overlays for LOTS
of different computers. This is a public domain program that is widely
available on bulletin boards.

There a couple of versions of UNIX programs that implement the XMODEM
or Christensen protocols that modem7 uses. I have seen umodem and tmodem.

Peter Harrison
uccbvax!ucsfmis!harrison@BERKELEY

From -603130457453280596

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb2a2844c85ef95e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-02 17:35:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!duke!mcnc!ecsvax!communcg
From: communcg@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Request for info on Apple "slide" programs - for presentations, not to 35 mm slides.
Message-ID: <1642@ecsvax.UUCP>
Date: Fri, 2-Dec-83 20:35:17 EST
Article-I.D.: ecsvax.1642
Posted: Fri Dec 2 20:35:17 1983
Date-Received: Sun, 4-Dec-83 08:15:23 EST
Lines: 14

I am interested in using my Apple II+ for lectures and
presentations in my University classes. I am aware that
there are several programs available for creating graphic/text "slides"
and to present them under computer control. I would appreciate
any advice on which program(s) to get - I will have need
for text and graphics intermixed on the screen, use of the color
capability, and fairly high resolution graphics.

Thanks in advance,

Cindy King, Univ of North Carolina at Greensboro
!mcnc!ecsvax!communcg

From 8304690847451136309
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,74611857ee257caa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-03 20:55:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxn.UUCP
Path: utzoo!linus!decvax!genrad!grkermit!masscomp!clyde!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Having trouble.)
Newsgroups: net.micro.apple
Subject: Need APPLE-Epson Interface for RX-80
Message-ID: <439@ihuxn.UUCP>
Date: Sat, 3-Dec-83 23:55:56 EST
Article-I.D.: ihuxn.439
Posted: Sat Dec 3 23:55:56 1983
Date-Received: Sun, 4-Dec-83 22:47:30 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 20

I am probably soon going to purchase a new Epson RX-80 printer for

use with my Apple II Plus. I am not sure whether the deal for $300
includes a printer interface to plug into the Apple's slot, but it
probably doesn't.

Does anyone have an interface for sale? If so, I am interested.

Another question: Other than printing speed, what really are the
differences between the FX-80 and the RX-80? And what has been
changed in the MX-80 to make it into the RX-80?

Thanks,

--

Jonathan Dubman - care of:

          Mort Dubman   AT&T Bell Laboratories
          ihnp4!ihuxn!mort   Naperville, IL.

From -7782292469785326079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,25b0e60e0f9552c4,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,f22ccdd75890679f
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,25b0e60e0f9552c4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-04 23:29:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site reed.UUCP
Path: utzoo!linus!decvax!tektronix!reed!omsi
From: omsi@reed.UUCP (OMSI)
Newsgroups: net.micro,net.micro.atari,net.micro.apple
Subject: TECO for 6502
Message-ID: <404@reed.UUCP>
Date: Mon, 5-Dec-83 02:29:58 EST
Article-I.D.: reed.404
Posted: Mon Dec 5 02:29:58 1983
Date-Received: Thu, 1-Dec-83 05:14:16 EST
Organization: Reed College, Portland OR
Lines: 6

Forgive me for errant path name in earlier message...
I've developed TECO for the 6502 on my OSI computer. It is about 98% of
the V29 implementation and growing. I'm considering porting it to the
Atari and Apple computers. Is there much interest in this?
Thanx,
Bob Ankeney

From -39836393231846376

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c081c8ee769fdcc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-05 14:42:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!duke!mcnc!ecsvax!jhb
From: jhb@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Communication card modification
Message-ID: <1657@ecsvax.UUCP>
Date: Mon, 5-Dec-83 17:42:50 EST
Article-I.D.: ecsvax.1657
Posted: Mon Dec 5 17:42:50 1983
Date-Received: Fri, 9-Dec-83 06:20:54 EST
References: sdccs6.1218
Lines: 9

To speed up a Communications card to 9600 baud:
1. Make the modification in the manual for 4800 buad.
{15 of A2. Chip A1 still isn't required.
3. Cut the trace from A1 pin 2 to pin 38 of the edge connector and wire it
to pin 37 instead (this won't work on the new cards with gold edge connectors
as they don't have a contact for pin 37).

-Joe Budge
Apple Computer

From -6543955631799622986
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f3bdf808037c6eb4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-07 05:09:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!daemon
From: daemon@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: electronic music
Message-ID: <4478@decwrl.UUCP>
Date: Wed, 7-Dec-83 08:09:08 EST
Article-I.D.: decwrl.4478
Posted: Wed Dec 7 08:09:08 1983
Date-Received: Fri, 9-Dec-83 06:47:20 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 26

From: Ed Featherston HL01-1/P06 225-5241 <roll::featherston>

 Begin Forwarded Message:

Newsgroup : net.micro.apple
>From : STAR::MALIK
Organization : Digital Equipment Corp.
Subj: electronic music

Anyone out there doing any electronic or computer music?

I have a Rhodes Chroma hooked up to an Apple II+. I use it mostly for myself (I have a (very) small home studio). Any Chroma owners out there?

Any composers (pop/jazz/classic/vanguard) ?

,Karl Malik

Mail address : ...decvax!decwrl!rhea!star!malik

End Forwarded Message

From -6566567927821940006
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6729e67ca1a9eaea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-07 05:14:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!decvax!duke!mcnc!ecsvax!augsec
From: augsec@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: Infor on WRITE AWAY
Message-ID: <1669@ecsvax.UUCP>
Date: Wed, 7-Dec-83 08:14:07 EST
Article-I.D.: ecsvax.1669
Posted: Wed Dec 7 08:14:07 1983
Date-Received: Fri, 9-Dec-83 07:12:22 EST
Lines: 8

Does anyone on the net use a word processor for the Apple II entitled WRITE AWAY by Midwest Software Associates ($175)? Any information on WRITE AWAY would be appreciated.

Wayne Robarge (....decvax!mcnc!ecsvax!augsec...)
Soil Science
NCSU
Raleigh, NC

From -1558555362937505374
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,85e8a309feb27e0,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1983-12-07 11:52:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Request for monitor info - (nf)
Message-ID: <2125@harpo.UUCP>
Date: Wed, 7-Dec-83 14:52:10 EST
Article-I.D.: harpo.2125
Posted: Wed Dec 7 14:52:10 1983
Date-Received: Fri, 9-Dec-83 07:34:52 EST
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 12

#N::37600003:000:325
!bob   Dec 7 14:51:00 1983

I am considering buying an el-cheapo baseband monitor from Walker Electronics
in Hacienda, Texas. It is stated to be a Ball Brothers equivalent with 12P4
phosphor . It goes for $35.   Before I take a shot in the dark in total ignorance
has anyone dealt with Hacienda, or can you comment on the usability of the
monitor?

From -6568477818755921185
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,85e8a309feb27e0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-07 12:04:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Request for monitor info - (nf)
Message-ID: <2126@harpo.UUCP>
Date: Wed, 7-Dec-83 15:04:21 EST
Article-I.D.: harpo.2126
Posted: Wed Dec 7 15:04:21 1983
Date-Received: Fri, 9-Dec-83 07:36:01 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 12

#N::37600003:000:325
!bob   Dec 7 14:51:00 1983

I am considering buying an el-cheapo baseband monitor from Walker Electronics
in Hacienda, Texas. It is stated to be a Ball Brothers equivalent with 12P4
phosphor . It goes for $35.   Before I take a shot in the dark in total ignorance
has anyone dealt with Hacienda, or can you comment on the usability of the
monitor?

From -7209195807351107070
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,30d7d4a7136b450d,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 1433f1,30d7d4a7136b450d,start
X-Google-Attributes: gid1433f1,public
X-Google-Thread: 129c11,30d7d4a7136b450d,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-12-08 09:27:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site gummo.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!gummo!cjh
From: cjh@gummo.UUCP (n)
Newsgroups: net.micro,net.micro.apple,net.micro.zx
Subject: Re: Remote-control of appliances from computer
Message-ID: <897@gummo.UUCP>
Date: Thu, 8-Dec-83 12:27:59 EST
Article-I.D.: gummo.897
Posted: Thu Dec 8 12:27:59 1983
Date-Received: Sat, 10-Dec-83 01:41:20 EST
References: <1630@ecsvax.UUCP>
Organization: AT&T Bell Laboratories, Whippany
Lines: 8

Heathkit sells a serial to BSR interface which can control
up to 256 BSR modules. Inside, I believe, there is a 8045
microcomputer that makes it very easy to control from
a computer.

Carl Hoffmann
gummo!cjh

From -3184587029738062878
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f576985d30836ee4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-08 18:47:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!mhuxl!ihnp4!fortune!crane
From: crane@fortune.UUCP
Newsgroups: net.micro.apple
Subject: Business Opportunity
Message-ID: <1927@fortune.UUCP>
Date: Thu, 8-Dec-83 21:47:01 EST

Article-I.D.: fortune.1927
Posted: Thu Dec 8 21:47:01 1983
Date-Received: Sat, 10-Dec-83 02:18:13 EST
Organization: Fortune Systems, Redwood City, CA
Lines: 57

I have recently become aware of an business opportunity for:

authors of CAI-type educational packages
or companies who distribute, market, or publish such packages

They are basically looking for packages to teach:

How to use:
- Spreadsheet packages: 1-2-3, VisiCalc, Multiplan
- Word processors: Wordstar, Perfect Writer, etc.
- Data base managers: dBase II
- Not to exclude other packages

Standard educational courses: (all grade levels)
- Math skills
- Reading skills
- Science
- Adult Personal Development

Business Courses:
- Basic skills such as bookkeeping, typing, secretarial
- Skills to advance one's career
- Accounting, investment, and real estate courses

Other Courses:
- Any other good courses

Courses should be CAI-type courses to run any of these machines:

IBM PC & clones
Apple II family
Commodore 64

This company is interested in marketing these courses in a rather unique way and is interested in working out a cooperative arrangement to distribute this educational software.

If you have written such a package yourself or know of somebody who has and would like to market it, please reply directly to me via email and we can make further arrangements at that time.

Thank you,

John Crane
Fortune Systems, Inc.
Redwood City, CA

(Reply via email or news only please)

From -3463260070767659838
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8284a6b9c36b4709,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-09 06:09:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houca.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!burl!hou3c!hocda!houxm!
hogpc!houca!lob
From: lob@houca.UUCP
Newsgroups: net.micro.apple
Subject: Apple Clones
Message-ID: <430@houca.UUCP>
Date: Fri, 9-Dec-83 09:09:58 EST
Article-I.D.: houca.430
Posted: Fri Dec 9 09:09:58 1983
Date-Received: Sat, 10-Dec-83 22:33:12 EST
Organization: American Bell, Holmdel NJ
Lines: 4

Would anyone out there who has user experience with the
ROMAR II or the Zeus 2001 or other Apple clones, please
give me their impressions regarding compatibility,
reliability etc. ?

From -8911541193420819240
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d05a8b219c1ed619,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-09 13:29:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site inuxg.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!mhuxl!ihnp4!inuxc!inuxg!wjl
From: wjl@inuxg.UUCP
Newsgroups: net.micro.apple
Subject: homebuilding saves
Message-ID: <249@inuxg.UUCP>
Date: Fri, 9-Dec-83 16:29:04 EST
Article-I.D.: inuxg.249
Posted: Fri Dec 9 16:29:04 1983

Date-Received: Sun, 11-Dec-83 01:36:34 EST
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 13

I am in the process of building up an apple system. I have populated a
partially destroyed mother board and copied a new operating system. The
system is now working with the exception of the joystick port. I am using
a replacement power supply. The system is almost finished but I have a couple
of areas where I need some information to help me finish the job.

I would like to hear from anybody who is familiar with the D.O.S.
I am trying to build a disk drive interface card and have many questions.
Where does the D.O.S reside?
What are the control and data lines that connect the card to the drive?
What requirements are placed on the type of drive and disks that can be used?

From 6738696932120460316
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,219f32a1d8b3d453
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-10 15:32:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucsfcgl.UUCP
Path: utzoo!linus!security!genrad!decvax!tektronix!ucbcad!ucbvax!ucsfcgl!pc260
From: pc260@ucsfcgl.UUCP
Newsgroups: net.micro.apple
Subject: Re: termcap for apple
Message-ID: <298@ucsfcgl.UUCP>
Date: Sat, 10-Dec-83 18:32:53 EST
Article-I.D.: ucsfcgl.298
Posted: Sat Dec 10 18:32:53 1983
Date-Received: Tue, 13-Dec-83 01:43:00 EST
References: <448@dartvax.UUCP>
Organization: Computer Graphics Lab, San Francisco
Lines: 20

These all work. If you don't have the inverse video chip for the
DaleApple (rename this) then remove the so and se fields.

```
DaleApple|Apple with videx videoterm 80 column board with inverse video:\
     :cr=^M:do=^J:nl=^J:bl=^G:\
     :am:le=^H:bs:cd=^K:ce=^]:cl=300^L:cm=^^%r%+ %+ :co#80:ho=^Y:\
     :kd=^J:kl=^H:kr=^U:kh=^Y:\
     :li#24:nd=^\:pt:so=^Z3:se=^Z2:up=^_:xn:
sm|smarterm|Apple's Smarterm 80 col board:\
        am:bl=^G:bs:cd=10*^K:co#80:ce=^]:cl=300^l:cm=^^%r%+ %+ :\
        cr=^M:ho=^Y:kb=^H:kl=^H:kr=^U:li#24:nd=^\:nl=^J:pt:up=^_:so=^O:se=^N:
ba|basis|BASIS108 computer with terminal translation table active:\
     :cr=^M:do=5000^J:nl=5000*^J:bl=^G:\
     :cd=\EY:ce=\ET:cl=300\E*:ma=^K^P^R^L^L :\
```

```
     :kb=^H:kl=^H:ku=^K:kr=^L:kd=^J:so=\E(:se=\E):tc=adm3a:
```

Peter Harrison
ucbvax!ucsfmis!harrison .....uucp
ucbvax!ucsfmis!harrison@BERKELEY   ....ARPA

```
From 3667268031877265390
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,6cc93dbdda6425b5,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6cc93dbdda6425b5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-12 10:41:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tty3b.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!ihnp4!we13!tty3b!estes
From: estes@tty3b.UUCP (estes)
Newsgroups: net.micro,net.micro.apple
Subject: Wanted: Info about Apple terminal emulation programs
Message-ID: <261@tty3b.UUCP>
Date: Mon, 12-Dec-83 13:41:48 EST
Article-I.D.: tty3b.261
Posted: Mon Dec 12 13:41:48 1983
Date-Received: Wed, 14-Dec-83 01:25:07 EST
Organization: Teletype Corp., Skokie, Ill
Lines: 20

>>
Can anyone point me in the right direction for a simple, yet functional
terminal emulation program for the Apple ][?

I have an Apple ][+ with a Micromodem II and a Micromax 80 column card.
I have used Transend (some number) and was not thrilled with the levels
of menu.  It's like a D and D game trying to remember how to get back
where you started.

What I would like is a program that emulates some terminal (VT100?),
can capture a buffer (about 16K characters, perhaps) of data, and
can later dump that buffer either to disk or a printer.

Does such a thing exist?  Can I buy or beg it?

Thanx in advance,

Ted Estes
{ihnp4 | we13 | otuxa}!tty3b!estes


From 2397359692109811369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15a414,970223d495f72b32,start
X-Google-Attributes: gid15a414,public
```

X-Google-Thread: 129c11,970223d495f72b32,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,970223d495f72b32,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-12 11:10:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxz.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!ariel!hou5f!hou5e!hou5d!hogpc!houxm!
houxz!wh
From: wh@houxz.UUCP
Newsgroups: btl.micro,net.micro,net.micro.apple
Subject: Need Advice on Disk Drive for Apple
Message-ID: <620@houxz.UUCP>
Date: Mon, 12-Dec-83 14:10:49 EST
Article-I.D.: houxz.620
Posted: Mon Dec 12 14:10:49 1983
Date-Received: Tue, 13-Dec-83 06:23:11 EST
Organization: Bell Labs, Holmdel NJ
Lines: 24

We need a second drive for our Apple //e and would like some opinions on the various Apple compatible disk drives. I have always been satisfied with the performance of Apple's drives, but am considering other drives because of size, storage capacity or price advantages. We would be interested in your comments or suggestions about the various brands. In particular we would like to hear about drive reliability and read/write error rates. We would also like to know whether the disk can use the standard Apple disk controller card and standard DOS 3.3. If a modified DOS is necessary, how difficult is it to install the patches? (The modified DOS question may apply to some of the high capacity disks now available.) Specific brands we have heard about include Rana, Micro-Sci, Concorde, and the new Amdek micro drives. Are there other brands which we should consider? Responses can be mailed to me or posted to the net. (Perhaps this can start some discussions about Apple compatible hardware experiences and advice.) Thanks!

Wayne Heinmiller AT&T Bell Laboratories
houxz!wh Holmdel NJ

From -4436167667728209816
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cb46d174958fd890,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-15 16:14:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)

Newsgroups: net.micro.apple
Subject: SOFTERM Terminal Emulator for Apple
Message-ID: <202@mb2c.UUCP>
Date: Thu, 15-Dec-83 19:14:51 EST
Article-I.D.: mb2c.202
Posted: Thu Dec 15 19:14:51 1983
Date-Received: Sat, 17-Dec-83 02:27:57 EST
Lines: 111

The new SOFTERM-1 and SOFTERM-2 terminal emulater packages are now being shipped by SOFTRONICS. These are upgraded versions of the SOFTERM package first offered by SOFTRONICS in August 1982 and of which I was a devoted supporter. Since there are still people out there using Apples out there on UNIX without a good terminal emulator, I thought would like would share some information about this package. SOFTERM-1 and SOFTERM-2 are similar packages with one major exception, SOFTERM-2 provides terminal EMULATION while SOFTERM-1 is a smart telecommunications package but lacking the emulation capabilities of SOFTERM-2. SOFTERM-1 sells for $135, SOFTERM-2 for $195. Any comments below, with the exception of terminal emulation apply to both packages.

This package allows the APPLE-II, II+ or IIe, Franklin, BASIS-108 or other APPLE clone to function as an intelligent terminal, at speeds of up to 9600 bps. It supports character/line insert/delete, memory lock, inverse video, and most other video functions, within the limitations of the APPLE video display being used. SOFTERM-1 does not support character/line insert/delete, however the character sequences to activate functions such as cursor movement, inverse on/off, clear screen, home, etc. can be specified to SOFTERM-1 to provide a crude emulation of some "dumb" terminals.

SOFTERM-2 comes with a card that plugs into any slot and which is attached to a 3 button (2 button for SOFTERM-1) auxiliary stick-on keypad. The keypad is almost color coordinated with the APPLE, depending on which revision you have. The cable is a 4-wire multi-colored job, ugly as sin, but if you hide it right, nobody will ever notice. The keys work similarly to shift or control keys and when depressed at the same time as a key on the main keyboard, it changes the meaning of that key. A handy (and needed) reference card is supplied to assist in sorting out the many possible functions. The system is supplied on two double-sided diskettes, unprotected. The system documentation is a 387 page phototypeset document which includes a tutorial, reference sections, several appendices including a glossary and a 10 page index.

SOFTERM-2 supports most serial/parallel/modem/clock cards offered for the APPLE. I have a lists of the supported devices, if anyone is interested, send me mail and I'll send them to you. For each of the different types of boards. Configuration is accomplished by a short menu-driven procedure to build a module taylored to the APPLE on which it is to run. A keyboard enhancer or shift modification is not required to use SOFTERM. By using the auxiliary keypad, all 128 ASCII codes can be emitted. However SOFTERM supports keyboard enhancers, the "1 wire shift key mod" and the "shift key attached to the video card"

modifications for generating upper/lower case characters. Of course the Apple //e keyboard is supported too.

In addition to providing a complete emulation for a number of popular terminals, it also provides several other advanced features. Any key on the APPLE keyboard can be mapped to emit any character code using the keyboard translate function. This includes control keys, as well as upper/lower case and specials. In addition, up to 36 keyboard macros (accessed by depressing two keys on the auxiliary keypad while depressing the desired macro key) can be defined. These macros can be used like programmable function keys to emit a stream of characters to the host, and they can also be used to control local SOFTERM functions, or a combination of both. It is possible to define a macro that with one keystroke (well, okay holding 3 keys down at once) will set up a terminal emulation, dial a host, logon waiting at all the appropriate spots, perform some functions and then go into terminal mode. These keyboard macros are in addition to any function keys associated with the particular terminal emulation.

Macro files are another feature of SOFTERM. These files allow a series of commands to be executed, either immediately or in "deferred" execution mode which allow the APPLE to communicate and exchange files with another APPLE or with any one of a number of hosts using either the "character mode", XMODEM or SOFTRANS protocols. All three of these protocols are available in a UNIX environment. The character mode is available with any host and allows specification of End-of-Block and Acknowledge characters and control of character/turnaround timing. The XMODEM protocol is an implementation of the CPM Christenson protocol, and functions in 128 character blocks. The SOFTRANS protocol uses an encoding technique to do data compression, parity checking and CRC checking with block retransmission on failure. Additional features of all three modes include the ability to translate CR->LF, LF->CR, turn the eighth bit on or off, expand tabs as well as other editing features. Since the SOFTRANS protocol runs without transmitting any "nasty" characters it can be easily implemented on a wide variety of mainframes. Currently supported systems include the VAX VMS and UNIX System-V on either 16 bit or 32 bit hardware, and Data General Eclipse AOS.

SOFTERM functions with standard DOS 3.3 disk formats as well as PASCAL and CPM formats. A Z80 card is not required to read CPM formatted disks. Incoming data can be directed to the printer or a disk file while it is being displayed on the screen. If output is going to the printer, it acts like a spooler if the printer is turned off or slower than line speed. About 16-20K of buffer is used for the printer or disk on a 64K machine. In addition, it is possible to copy the contents of the screen to print or to a disk file at any time. A handy function is the ability to display a status line at the bottom of the screen which tells if capture mode is activated, the status of the terminal and the current time or elapsed connect time. Some other bells and whistles include an automatic phone directory which saves not only the names and phone numbers of the systems you call but things like what speed they run at, parity, stop bits etc. You can select an entry from this little database and have it automatically dialed for you by the

program.

One of the best features of this package is that all updates are done directly from SOFTRONICS via a 24 hour 7 day on-line update service. The one exception to this is updating from the original SOFTERM to the new SOFTERM-2 which requires $50, the title page from the old manual and the label from the old diskette. Either the upgrade or the new version are available from:

    SOFTRONICS, Inc.
    3639 New Getwell Rd. Suite #10
    Memphis, TN   38118

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -3727178163393091880
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cebf1801cdf9ce52,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-15 16:26:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Apple AZTEC wc.c (smaller, faster)
Message-ID: <204@mb2c.UUCP>
Date: Thu, 15-Dec-83 19:26:42 EST
Article-I.D.: mb2c.204
Posted: Thu Dec 15 19:26:42 1983
Date-Received: Sat, 17-Dec-83 02:28:30 EST
Lines: 9

For those of you with AZTEC 'C' who continue to try to build your bin directory (but perhaps are short of disk space?) I have modified the wc.c posted recently to run faster and to take up less space on disk. This was done by avoiding STDIO and using big internal blocking. It is also reusable with the 'run' command. The binary should take only 13 sectors rather than 32 as originally posted.

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -5387003838540360967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15a414,6326badf95dc6682,start
X-Google-Attributes: gid15a414,public
X-Google-Thread: 129c11,6326badf95dc6682,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6326badf95dc6682,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-21 10:45:53 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxz.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!floyd!harpo!eagle!mhuxl!
houxm!houxz!wh
From: wh@houxz.UUCP (W.HEINMILLER)
Newsgroups: btl.micro,net.micro,net.micro.apple
Subject: Summary about Apple Compatible Disks
Message-ID: <626@houxz.UUCP>
Date: Wed, 21-Dec-83 13:45:53 EST
Article-I.D.: houxz.626
Posted: Wed Dec 21 13:45:53 1983
Date-Received: Sat, 24-Dec-83 11:21:51 EST
Organization: Bell Labs, Holmdel NJ
Lines: 61

A couple of weeks ago I requested information about Apple compatible disk drives. I have received several responses by mail, and found a good article about Apple compatible drives in the September 1982 issue of Softalk ("Hardtalk", by Jeffrey Mazur, pages 208-211). I'm posting a summary of what I have learned because someone else out there might also find it useful.

This table shows the products I received comments on, and the number of favorable and unfavorable comments about each product.

Product	Positive Comments	Negative Comments
Rana drive	2	0
Rana controller card	3	0
Micro-Sci drives	1	1
Trak drives	1	1
Lobo drives	1	0
Lobo controller card	1	0
Call A.P.P.L.E. drives	1	0

From the article and comments I have learned the following:

1. To be safe, your first drive should be a standard Apple Disk II. This is the only way you can be sure to run any software, regardless of the strange protection schemes.

2. There are drives with faster and more precise head positioning mechanisms than Apple's drive. However, DOS must be patched to use the faster seek rates.

Without the patches, the disks use the seek rate for the Apple disks.

3. Any drive which offers more storage than the Apple disk (143K) requires patches to DOS. Without the patchs, the disk MAY run as a standard disk without access to the additional storage. (Useful if you need to generate a standard 143K disk copy.)

4. Current Apple compatible disks may not be fully compatible with the new soon-to-be released operating system.

Given what I have learned, I plan to get a Rana Elite Two for our system. We already have a standard Apple drive as drive 1. We need the greater storage capacity for some of our work, and given the cooperation between Rana and Apple recently to produce the MS-DOS box, I expect the Rana equipment stands a good chance of remaining compatible with future operating systems.

Thanks to everyone for your assistance.

Wayne Heinmiller AT&T Bell Laboratories
houxz!wh Freehold NJ

From 558482659303596053
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2640cae13af32b25,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-21 19:35:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!floyd!harpo!seismo!rlgvax!cvl!umcp-cs!james
From: james@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: TranSend escape sequences, help!
Message-ID: <4515@umcp-cs.UUCP>
Date: Wed, 21-Dec-83 22:35:24 EST
Article-I.D.: umcp-cs.4515
Posted: Wed Dec 21 22:35:24 1983
Date-Received: Sat, 24-Dec-83 11:25:28 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 11

I have an Apple IIe, with an 80-column card. I have already purchased the TranSend terminal program, but need to know what escape/control sequences will do the things a termcap needs to do to a terminal's screen. I haven't been able to get any standard escape sequences to work, nor the strange ones listed in the 80-column card manual. Users of TranSend who have solved

this problem are especially asked to reply.

If TranSend is hopeless, what is YOUR favorite terminal program for the Apple IIe?

  --Jim O'Toole

From -7494927906177103546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11c2e7,c27af2e0bdd92a96,start
X-Google-Attributes: gid11c2e7,public
X-Google-Thread: 1622d3,c27af2e0bdd92a96,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-22 12:49:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site iwu1c.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!mhuxl!ihnp4!iwu1c!jgpo
From: jgpo@iwu1c.UUCP (John, KA9MNK)
Newsgroups: net.invest,net.micro.apple
Subject: Dow Jones, anyone?
Message-ID: <187@iwu1c.UUCP>
Date: Thu, 22-Dec-83 15:49:33 EST
Article-I.D.: iwu1c.187
Posted: Thu Dec 22 15:49:33 1983
Date-Received: Fri, 23-Dec-83 04:45:58 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 12

a

Anybody have any experience with the Dow Jones software products? I'd like opinions, war stories, etc., on the News and Quotes Reporter, the Portfolio Evaluator, and any other products floating around. What are the prices, and are the products worth it?

     Thanks,
     John Opalko
     BTL, Naperville, IL

From -514175258754828698
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,220bc77f9e0a4e87,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-27 04:54:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site noscvax.UUCP
Path: utzoo!linus!decvax!ittvax!dcdwest!sdcsvax!noscvax!breger
From: breger@noscvax.UUCP
Newsgroups: net.micro.apple
Subject: Apple Hard Disk
Message-ID: <299@noscvax.UUCP>

Date: Tue, 27-Dec-83 07:54:56 EST
Article-I.D.: noscvax.299
Posted: Tue Dec 27 07:54:56 1983
Date-Received: Wed, 28-Dec-83 06:06:58 EST
Organization: Naval Ocean Systems Center, San Diego
Lines: 12

I am thinking for purchasing a removable hard disk for my Apple //e. I
would appreciate any information and recommendations anyone might have
one different brand names and controller cards for them. I am interested
in one that can run the P-system,DOS, and Pro-Dos (when that becomes available).

Thanks,

Ron Breger

(sdcsvax,noscarpa,apl-uw,ntisa,ntisa,bang,mplvax
 mpladmin,uhpgvax,daffy,ncsu,rti)!noscvax!breger

From -6596911271202944876
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,220bc77f9e0a4e87
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-12-29 10:32:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!mhuxl!aluxe!lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: Re: Apple Hard Disk
Message-ID: <1251@aluxe.UUCP>
Date: Thu, 29-Dec-83 13:32:06 EST
Article-I.D.: aluxe.1251
Posted: Thu Dec 29 13:32:06 1983
Date-Received: Sat, 31-Dec-83 00:41:49 EST
References: <299@noscvax.UUCP>
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 23

I have a Corvus 6Mb on my Apple //e and I am very pleased with it.
When it is configured under DOS 3.3, the workspace is divided into
37 volumes, each treated as a single floppy. You also get the
software to configure the workspace for pascal, with the advantage
that the volumes can be any size less than 5Mb. Or, you can configure
the disk for pascal, and then turn any or most of the disk into
DOS 3.3 format (as I have done), where when I boot up my system
it comes-up in pascal, I then can execute a program to go into
BASIC if I choose.

Rather than a removeable disk, the Corvus is a true Winchester, but
you can get the Mirror option that allows a backup of the system

to any standard VCR. The 6-megger takes about 13 minutes to backup,
and 13 minutes to verify the data.

I am looking forward for Pro-DOS, a great part of my work is with
Aztec 'C' and variable sized directories will be great with my
Corvus.

Lonnie R. Abelbeck
{aluxe | mhuxh}!lra

From 420122690909027585
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f92db1c5f4c08ffa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-03 10:50:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site hlexa.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!mhuxm!mhuxr!mhuxt!mhuxh!hlhop!hlexa!ips
From: ips@hlexa.UUCP (irwin seltzer)
Newsgroups: net.micro.apple
Subject: request for Apple termcaps
Message-ID: <898@hlexa.UUCP>
Date: Tue, 3-Jan-84 13:50:10 EST
Article-I.D.: hlexa.898
Posted: Tue Jan 3 13:50:10 1984
Date-Received: Wed, 4-Jan-84 03:44:13 EST
Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 7

I would appreciate hearing about any termcap info
that has been used successfully with Apples.

Thanks in advance!

                                        Irwin Selzer
                                        hlexa!ips

From 7774063769842965781
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a16d98fa9eba9bad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-04 17:42:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watmath.UUCP
Path: utzoo!watmath!mdrutenberg
From: mdrutenberg@watmath.UUCP (Mike Rutenberg)
Newsgroups: net.micro.apple
Subject: Good reading for all
Message-ID: <6378@watmath.UUCP>
Date: Wed, 4-Jan-84 20:42:43 EST
Article-I.D.: watmath.6378

Posted: Wed Jan 4 20:42:43 1984
Date-Received: Thu, 5-Jan-84 06:16:21 EST
Organization: U of Waterloo, Ontario
Lines: 9

People who own Apples (of some variety) or are just interested in the
computer industry should try to get a copy of the Apple annual report.
It is very well written (I don't even own an Apple or Apple stock), and
has some nice hints about future products (visual page 7).

You can get a copy of the report from any stock broker or from Apple.

     Mike

From -7745906505580284216
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a16d98fa9eba9bad
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-04 20:07:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ucbvax.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!zehntel!tektronix!ucbcad!ucbvax!prabhaka
From: prabhaka@ucbvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Good reading for all
Message-ID: <161@ucbvax.UUCP>
Date: Wed, 4-Jan-84 23:07:05 EST
Article-I.D.: ucbvax.161
Posted: Wed Jan 4 23:07:05 1984
Date-Received: Sat, 7-Jan-84 01:38:24 EST
References: <6378@watmath.UUCP>
Organization: U.C. Berkeley
Lines: 11

An interesting thing about the Apple annual report is the front cover
illustration. It shows a graph with years as one scale (83-86). There
are various arrows going up the graph, but two are prominent.
The first has a little apple on top of it. The second, get this,
has the letters "IBM" on it. The two arrows look tied at about '85.
The other arrows all die out around '84. Then in '86, the is an arrow
coming in from the side.....with a Japanese flag on it.

          Aloke "My Apple is in the Closet Collecting Dust" Prabhakar
          ...ucbvax!prabhaka
          prabhaka@BERKELEY

From -2213899791879767753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,21bf2ee5fca0ebdb,start
X-Google-Attributes: gid1622d3,public

X-Google-ArrivalTime: 1984-01-05 06:28:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!daemon
From: daemon@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: Request for Applesoft text sort
Message-ID: <4788@decwrl.UUCP>
Date: Thu, 5-Jan-84 09:28:41 EST
Article-I.D.: decwrl.4788
Posted: Thu Jan 5 09:28:41 1984
Date-Received: Fri, 6-Jan-84 02:24:19 EST
Sender: daemon@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 11

From: Wanted: A good five-cent nickel <dosadi::binder>
Does anyone have a handy-dandy Applesoft routine for sorting text strings, as in a list of names for something like a phonebook? It should be programmable for the length of the substrings to be used in the sorting, and it must be faster than a straight bubble sort if it's to be of any use for more than a very short list.

Thanks.

- Dick Binder
decvax!decwrl!rhea!dosadi!binder

From -8512947652337627799
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b2fb850a9c1c71a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-05 09:04:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxv.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihuxv!timborn
From: timborn@ihuxv.UUCP (tim born)
Newsgroups: net.micro.apple
Subject: "ed" in AZTEC C?
Message-ID: <618@ihuxv.UUCP>
Date: Thu, 5-Jan-84 12:04:16 EST
Article-I.D.: ihuxv.618
Posted: Thu Jan 5 12:04:16 1984
Date-Received: Fri, 6-Jan-84 02:48:17 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 2

I believe the source for a version of "ed" is in Software Tools.
Has anyone written "ed" in AZTEC C?

From -4916279687418311826

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dd701b1fea8b0433,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-07 06:31:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ll1.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!mhuxl!ihnp4!we13!ll1!mn
From: mn@ll1.UUCP (Mark Nettleingham)
Newsgroups: net.micro.apple
Subject: Any Apple ///'s on the network
Message-ID: <195@ll1.UUCP>
Date: Sat, 7-Jan-84 09:31:02 EST
Article-I.D.: ll1.195
Posted: Sat Jan 7 09:31:02 1984
Date-Received: Sun, 8-Jan-84 01:17:56 EST
Organization: Chicago, Illinois
Lines: 52

Does anyone out there own a Apple ///?

I have one, and I'm wondering if anyone else has one of these paper weights. I would like to exchange ideas, programs, and whatever else you may have. I have written a terminal program in Pascal that I use to communicate with my UN*X system that I can offer for trade to anyone who has any public domain software they wish to share. I also have some screen entry routines that I use and may be useful to someone else.

NOTE: I don't wish to exchange (pirate) Copyrighted software, and I will not do so.

My system includes a /// and a Z80 card. I have Pascal Business BASIC (No I don't use it much), and 'C' for the Z-80. I intend to get the native mode 'C' as soon as Manix releases it, latter this month I'm told.

I originally purchased the /// intending to use it to make editing large Pascal programs easier and support my Apple][Pascal systems. After I received the /// I have found that it's not really very compatible with the][. I have been basicly using it for a terminal since. Perhaps the 'C' compiler will make things better.

If you care to contact me please reply via mail include your phone number and I'll try to give ya a call. If I get

overwhelmed with requests/information I'll post a general
letter here. I hope to have time to post any really useful
info on the network, however, I don't believe that there
are
enough /// owners to warrant the traffic.

Just a few questions to see if I can get any info.

1. Anyone have the double hires modification installed?

2. Anyone gona upgrade to a ///+?

Why?

3. Anyone tried to install the 65C02 processor chip?

If so do you know of any assemblers for it?

Thanks for any information.
Please contact:
Mark Nettleingham
...!we13!ll1!mn
312-855-8263

From 8846199691898028009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1452e1d4543f9e05,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-09 07:26:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!duke!mcnc!ecsvax!alford
From: alford@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: vista drive query
Message-ID: <1816@ecsvax.UUCP>
Date: Mon, 9-Jan-84 10:26:59 EST
Article-I.D.: ecsvax.1816
Posted: Mon Jan 9 10:26:59 1984
Date-Received: Tue, 10-Jan-84 00:52:58 EST
Lines: 17

Has anyone out there had any experience with the Vista Quartet disk system
for Apples? This system has two thinline double-sided 320k drives with a
controller. In their initial advertising they claimed to boot and run all
software that runs on standard Apple drives, as well as software with
operating systems modified to use the full capacity of the drives. This
sounds great to me, especially since I've seen them advertised for $570
including controller and OS modifying software. What I'd like to know is:

-are they reliable?
-are they really 100% compatible, including "protected" disks?

  -how well do their modifications to DOS, Pascal, and CP/M work?

Any information will be appreciated. I'll summarize mail replies if I
get any. Thanks.

Ross Alford
   ...!decvax!mcnc!ecsvax!alford

From 1679062460313526114
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,4b592fa177507b99,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 1622d3,4b592fa177507b99,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-10 06:40:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!aluxe!david1
From: david1@aluxe.UUCP (nelson)
Newsgroups: net.micro.atari,net.micro.apple
Subject: Indus drives
Message-ID: <1269@aluxe.UUCP>
Date: Tue, 10-Jan-84 09:40:28 EST
Article-I.D.: aluxe.1269
Posted: Tue Jan 10 09:40:28 1984
Date-Received: Wed, 11-Jan-84 03:47:41 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 8

Has anyone had any experience with or heard anything about the Indus
disk drives. I'm considering getting one for my Atari 800. It supposedly
comes with software-word processing, spread sheet, and data file manager.
Any info would be appreciated.

                                                Rick Nelson
                                                AT&T Bell Labs
                                                Reading, Pa.

From -1980563394931433051
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,79cf0badab56b0df,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-10 09:14:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unc.UUCP
Path: utzoo!linus!decvax!duke!mcnc!unc!howell
From: howell@unc.UUCP (William Howell)
Newsgroups: net.micro.apple
Subject: TWO PRINTERS WITH WORDSTAR
Message-ID: <6536@unc.UUCP>
Date: Tue, 10-Jan-84 12:14:06 EST

Article-I.D.: unc.6536
Posted: Tue Jan 10 12:14:06 1984
Date-Received: Wed, 11-Jan-84 04:10:31 EST
Organization: CS Dept., U. of N. Carolina at Chapel Hill
Lines: 15

I have been running Wordstar (3.3) under CP/M on an APPLE IIe driving
an EPSON MX80 using a Grappler interface. Recently, I have added a
DIABLO 630 and APPLE's Super Serial Card and have been successful in
driving the 630 from Wordstar when the super serial card is in slot 1
of the Apple. This required the removal of the Grappler a situation
I would prefer to avoid.

Ideally I would like to have the Grappler and Super Serial Card
installed at all times. I have been unsuccessful in getting Wordstar
(possibly CP/M?) to drive a printer connected to any slot other than
slot 1. Is anyone familiar with how I can do this or is it an
impossibiility?? Thanks!

From 6141934328698146721
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12da6b,4780c3946f79d20c,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 10e5a9,4780c3946f79d20c,start
X-Google-Attributes: gid10e5a9,public
X-Google-Thread: 12c65a,4780c3946f79d20c,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 15f443,4780c3946f79d20c,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,4780c3946f79d20c,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,4780c3946f79d20c,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 13ab2f,4780c3946f79d20c,start
X-Google-Attributes: gid13ab2f,public
X-Google-Thread: 16c08e,4780c3946f79d20c,start
X-Google-Attributes: gid16c08e,public
X-Google-ArrivalTime: 1984-01-10 09:47:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site hlhop.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!mhuxj!mhuxi!mhuxh!hlhop!ml
From: ml@hlhop.UUCP (Minsky Luo)
Newsgroups:
net.micro,net.wanted,net.micro.cbm,net.micro.apple,net.lang.c,att.wanted,att.micro
,bell.wanted,att.unix
Subject: cross C compiler or assembler for 6502 wanted
Message-ID: <243@hlhop.UUCP>
Date: Tue, 10-Jan-84 12:47:03 EST
Article-I.D.: hlhop.243
Posted: Tue Jan 10 12:47:03 1984
Date-Received: Wed, 11-Jan-84 05:00:13 EST

Organization: AT&T Bell Laboratories, Short Hills, NJ
Lines: 18

My group need a cross C compiler running in Unix(tm) for MOS 6502/6510 microprocessor. We prefer that the output is in assembly language and a cross assembler is also available.

If you know any existing cross C compiler or cross assembler for MOS 6502/6510 or other 8 bit processors, please call, mail, or reply on net. Any lead will be appreciated. Your help will save us from scratching Steve Johnson's portable C compiler. Thank you in advance.

Minsky Luo
AT&T Bell Laboratories, HL 2D214
Short Hills, NJ 07078

ihnp4!hlhop!ml
(201) 564 4669

From 5910406569425346504
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a250e3dd71bab400,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a250e3dd71bab400,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-10 10:28:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!linus!decvax!dartvax!betsy
From: betsy@dartvax.UUCP (Betsy Hanes Perry)
Newsgroups: net.micro,net.micro.apple
Subject: Re: Mackintosh Madness
Message-ID: <590@dartvax.UUCP>
Date: Tue, 10-Jan-84 13:28:42 EST
Article-I.D.: dartvax.590
Posted: Tue Jan 10 13:28:42 1984
Date-Received: Wed, 11-Jan-84 04:54:19 EST
References: <587@dartvax.UUCP>
Organization: Dartmouth College
Lines: 17

> We here at Dartmouth are requiring the freshmen to purchase Apple Mackintoshes when they enter next year. -- Richard Brown

Actually, Mr. Brown's information is off slightly. We here at Dartmouth are ENCOURAGING incoming students to buy MacIntoshes (pick your favorite spelling!), but it is NOT compulsory. As inducements to buy, Dartmouth is offering financial aid assistance, is wiring all dormitories for

access to our mainframes, and is gearing up to write interesting
software packages for the little beasties. We hope that people
will buy the machines because they seem fun or useful, not because
somebody forced them to do so.

Betsy Hanes Perry
decvax!dartvax!betsy
--
Betsy Perry
decvax!dartvax!betsy

From -2844244530993422464
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc23e184c502c771,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-11 07:44:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!root
From: root@decwrl.UUCP
Newsgroups: net.micro.apple
Subject: To list unlistable Applesoft programs
Message-ID: <4889@decwrl.UUCP>
Date: Wed, 11-Jan-84 10:44:58 EST
Article-I.D.: decwrl.4889
Posted: Wed Jan 11 10:44:58 1984
Date-Received: Fri, 13-Jan-84 05:40:37 EST
Sender: root@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 10

From: dosadi::binder (Wanted: A good five-cent nickel)
Having discovered this wonderful good news, I feel compelled to pass it on.
One of the nastinesses possible with Apple Basic is the creation of a program
that is unlistable. But there's a way around the problem. Use the TLIST
command DSR's Diversi-DOS provides with its 64K version. I suspect that
Pronto-DOS and its TYPE command would work as well, but I am too thoroughly
satisfied with Diversi-DOS to bother acquiring the other.

                    - Dick Binder
                    decvax!decwrl!rhea!dosadi!binder

From -8177967601510314028
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22d830485e62a14,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-11 07:57:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site decwrl.UUCP
Path: utzoo!linus!decvax!decwrl!root
From: root@decwrl.UUCP

Newsgroups: net.micro.apple
Subject: Request for hard disk controller info
Message-ID: <4891@decwrl.UUCP>
Date: Wed, 11-Jan-84 10:57:06 EST
Article-I.D.: decwrl.4891
Posted: Wed Jan 11 10:57:06 1984
Date-Received: Fri, 13-Jan-84 05:43:39 EST
Sender: root@decwrl.UUCP
Organization: DEC Western Research Lab, Los Altos, CA
Lines: 20

From: dosadi::binder (Wanted: A good five-cent nickel)
I have a 25-Mbyte Tandon hard disk drive that I'd like to plug into my Apple.
I don't know just what it takes to do so, but I'd guess that a good start
might be the schematics and ROM code from the Corvus or some similar disk
subsystem. Given that info, I may be able to design a controller.

Does anyone have a set of Corvus documentation that he or she is willing to
copy for me? I'm willing to pay mailing costs, but I can't handle copying
fees of more than a couple of dollars. If you're in the same boat as I, i.e.,
having access to a disk but not a controller, I'm willing to share whatever I
come up with - it would be in the form of a wire-wrappable module built, most
likely, on an Apple proto card. My contribution would include schematic, wire
list, parts list, assembly drawing, cable documentation, and any other
necessary stuff.

Interested parties please reply by netmail or phone (617) 486-6363 between
8.30 and 5.00 Eastern time.

                    - Dick Binder
                    decvax!decwrl!rhea!dosadi!binder

From 8668111860845508413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,de2cefc84332f4c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-11 10:15:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site orion.UUCP
Path: utzoo!linus!decvax!harpo!ulysses!mhuxl!houxm!hogpc!houti!lime!odin!orion!bob
From: bob@orion.UUCP
Newsgroups: net.micro.apple
Subject: APPLES wanted - spread the word!
Message-ID: <307@orion.UUCP>
Date: Wed, 11-Jan-84 13:15:20 EST
Article-I.D.: orion.307
Posted: Wed Jan 11 13:15:20 1984
Date-Received: Fri, 13-Jan-84 03:57:25 EST
Organization: ABI - ED&D, Holmdel, NJ
Lines: 12

A private school in south Jersey desperately needs

Apple][+ or Apple][e systems for its new computer
science curriculum. Please contact me if you would like
to donate (for a nice tax deduction) or sell yours
for a VERY REASONABLE price.

Let's all help solve our nations educational crisis!

Please contact ASAP:
Bob Seibel - AT&T-ISL
Room 1E-301, Holmdel, N.J. 07733
Work phone: 201-834-3197

From -5692885580053502470
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ead1be13365efaa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-11 18:04:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Printer with serial & parallel input - (nf)
Message-ID: <2180@harpo.UUCP>
Date: Wed, 11-Jan-84 21:04:32 EST
Article-I.D.: harpo.2180
Posted: Wed Jan 11 21:04:32 1984
Date-Received: Fri, 13-Jan-84 04:45:44 EST
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 21

#N::37600004:000:693
!bob   Jan 11 15:22:00 1984

I am looking for a dot matrix printer which I can use with an Ann Arbor
Ambassador terminal driven off a main frame as well as with my Apple 2+.
The Ann ARbor requires an RS232 interface. My inclination is that the
Apple is most commonly used with a parallel interface & that I would be
better off with one. Can anyone recommend a dot matrix printer with
reasonable quality which has both parallel 7 serial interfaces? Is there
an external box which could convert the Ann Arbor to parallel? Finally
does anyone have a serial based printer running with the Apple2 who
could pass on personal experience?

R. L. Carroll
BTL Whippany,NJ
201-386-2609
harpo!bob

.

From -1508281140429101508
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a7c9feb277d31100,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-12 01:03:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site fortune.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!fortune!rpw3
From: rpw3@fortune.UUCP
Newsgroups: net.micro.apple
Subject: Re: Request for hard disk controller inf - (nf)
Message-ID: <2257@fortune.UUCP>
Date: Thu, 12-Jan-84 04:03:30 EST
Article-I.D.: fortune.2257
Posted: Thu Jan 12 04:03:30 1984
Date-Received: Fri, 13-Jan-84 06:15:46 EST
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 50

#R:decwrl:-489100:fortune:22000001:000:2385
fortune!rpw3   Jan 11 23:56:00 1984

I don't want to dampen your enthusiasm for home computer peripheral construction, but unless you are a senior analog electronics engineer, a high density disk controller (you said 25 Mbyte Tandon) is not to be attempted lightly. Besides the data rate (625 Kbyes/sec, peak) and the hassles with formatting, retry algorithms, CRC, ECC, and the rest (all of which CAN be handled by a bright digital electronics fan), the real bugaboo is what is called the "data separator" -- that portion of the controller which decodes the MFM code that comes off the disk (with LOTS of distortion and jitter on it) and separates the pulses into clock and data. This function requires a phase-locked loop with fast acquisition time, low noise, low jitter, stable tracking, high gain, and (last and worst) very low "static phase offset".

Even if you have somebody's schematics (ignoring legal questions), there's no guarantee you can tune the PLL properly. It needs AT LEAST a fast 'scope and a disk that is already properly recorded on, as well as some good luck with the noise and cross-coupling on that wire-wrap board you mentioned. (They don't make 'em with 4-layer P.C. boards for grins.)

Unless you are really sure you want the hassles, may I suggest that you simply buy one of the single-board SASI-to-ST506 controllers that are offered at single-unit prices of around $300 (from Xebec, DTC, Shugart, and many others). Thes cards typically include sector buffer memory, ECC/auto-retry, commands to format the disk, and other fun stuff.

Interface it to your favorite parallel port, and write a SASI driver for the parallel port (fairly easy). These boards are the same size as the 5-1/4" winchester disk drives; in fact, many drives and controllers

have matching holes to bolt them together. The disk drive power supply
(which you will need) can be selected to power the controller as well.
Caution: these things (both) draw bongo watts, compared to your normal
controllers/devices.

This is what we did while our own controller was being developed,
and I know of home users who have done the same. Depending on your
experience and resources, you could have it going in anywhere from
a few days to a few weeks.

Good luck!

Rob Warnock

UUCP: {sri-unix,amd70,hpda,harpo,ihnp4,allegra}!fortune!rpw3
DDD: (415)595-8444
USPS: Fortune Systems Corp, 101 Twin Dolphins Drive, Redwood City, CA 94065

From 1485308004903281710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c34ce09f6a0f0a76,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-12 06:53:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihopa.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihopa!joepwro
From: joepwro@ihopa.UUCP (Joe Wroblewski)
Newsgroups: net.micro.apple
Subject: Is the Macintosh Ripe?
Message-ID: <136@ihopa.UUCP>
Date: Thu, 12-Jan-84 09:53:31 EST
Article-I.D.: ihopa.136
Posted: Thu Jan 12 09:53:31 1984
Date-Received: Fri, 13-Jan-84 06:36:33 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 21

I am a recent subscriber to netnews and have caught only a few followup
articles on the status of the "Soon to be released?"
 Macintosh. If anybody
has any good information on this machine, pleas respond.

Facts of interest:

1. Release date.

2. Cost.

3. Software packages available.

4. Distributors.

5. Operating System (esp. UNIX).

Thanks for you interest ....
Joe P. Wro

From -4643407659453267817
X-Google-Language: Unknown,Unknown
X-Google-Thread: 1622d3,77c86e82a7248a7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-12 07:21:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!jrl
From: jrl@harpo.UUCP
Newsgroups: net.micro.apple
Subject: disk drives wanted
Message-ID: <2191@harpo.UUCP>
Date: Thu, 12-Jan-84 10:21:29 EST
Article-I.D.: harpo.2191
Posted: Thu Jan 12 10:21:29 1984
Date-Received: Fri, 13-Jan-84 06:37:33 EST
Organization: AT&T Bell Laboratories, Whippany
Lines: 9

From 327997981443571183
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2cb5e98b435d950f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-13 07:14:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site iwu1c.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!iwu1c!jgpo
From: jgpo@iwu1c.UUCP (John, KA9MNK)
Newsgroups: net.micro.apple
Subject: Care and feeding of Apple Disk][s
Message-ID: <191@iwu1c.UUCP>
Date: Fri, 13-Jan-84 10:14:41 EST
Article-I.D.: iwu1c.191
Posted: Fri Jan 13 10:14:41 1984
Date-Received: Sat, 14-Jan-84 03:31:11 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 33

{text saver}

I have an application for my Apple //e with two standard Apple][disks
which requires that I leave power on for days at a time. The disks are
used only for booting. My biggest worry is a power failure. If I take

the disk out of drive 1, the disk motor will spin forever when power comes back on. If I leave the boot disk in the drive, the machine will reboot itself when power comes back on, thus saving the motor, but I worry about leaving the R/W head loaded against the disk for long periods of time. Is this a valid concern?

I'd be willing to ruin a diskette to save the drive motor, but I don't want to ruin the head. (Sort of like robbing Peter to pay Paul).

Anybody out there have any good/bad/indifferent experiences with leaving floppies in the drive for days/weeks at a time?

    Thanks,
    John Opalko
    AT&T Bell Labs, Naperville, IL
    ...!ihnp4!iwu1c!jgpo

PS:
I'd *love* to buy a RAM disk emulator with battery backup, or (drool) a 20 meg Winnie with auto-retract, but I have all my $$$ allocated for luxuries like food, clothing, etc. :-)

From 5816849511714698700
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,10bbcd8baa34ec3a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-13 10:07:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hou2f.UUCP
Path: utzoo!linus!decvax!harpo!ulysses!mhuxl!houxm!hou2f!rayalb
From: rayalb@hou2f.UUCP (R.ALBERS)
Newsgroups: net.micro.apple
Subject: Re: Applesoft text sort wanted
Message-ID: <135@hou2f.UUCP>
Date: Fri, 13-Jan-84 13:07:26 EST
Article-I.D.: hou2f.135
Posted: Fri Jan 13 13:07:26 1984
Date-Received: Sat, 14-Jan-84 03:43:48 EST
Organization: Bell Labs, Holmdel NJ
Lines: 12

A couple of years ago there was an article in Creative Computing (I think) called HEAPSORT, with a listing to sort a collection of numbers. I wrote a routine around it to compare strings pairwise, trying first the first letter, then the next, etc of the strings. Runs reasonaabbly well, and i think i can still find it. If interested, call me on 201-949-1871.

Ray Albers
hou2f!rayalb

CSO Holmdel NJ
value
value of the first letter of each string and sort

From -4205760024037993394
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,18f4f093f2453ad1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-14 12:20:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cmcl2.UUCP
Path: utzoo!linus!philabs!cmcl2!spector
From: spector@cmcl2.UUCP
Newsgroups: net.micro.apple
Subject: Re: Care and feeding of Apple Disk][s - (nf)
Message-ID: <1427@cmcl2.UUCP>
Date: Sat, 14-Jan-84 15:20:08 EST
Article-I.D.: cmcl2.1427
Posted: Sat Jan 14 15:20:08 1984
Date-Received: Sun, 15-Jan-84 07:29:34 EST
Sender: spector@cmcl2.UUCP
Organization: New York University
Lines: 26

#R:iwu1c:-19100:cmcl2:13300001:000:684
cmcl2!spector   Jan 14 15:19:00 1984

Well, I've had my Apple][+ for about four years and have had times
where leaving the machine on with diskettes in drives was a necessity...

The only problems I've had were an occasional blown sector due to the
Apple's power-up surge...and now and then a slightly warped diskette from
uneven r/w head and pressure pad tension..

If you have a large number of cards in your apple, and you want to leave
it turned on for extended periods, then a fan is an absolute MUST.
Before I had my fan, over extended periods my Apple's memory would
start to flake out..the only solution was to let the machine cool off for
a while.

          Good Luck,

          David Spector
          New York University, CIMS

From 8747425888144847311
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,7276ef2bb6798b72,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-14 19:44:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!linus!decvax!harpo!eagle!allegra!alice!rabbit!pdc
From: pdc@rabbit.UUCP (Pete Campbell)
Newsgroups: net.micro.apple
Subject: using II+ as a terminal
Message-ID: <2393@rabbit.UUCP>
Date: Sat, 14-Jan-84 22:44:42 EST
Article-I.D.: rabbit.2393
Posted: Sat Jan 14 22:44:42 1984
Date-Received: Sun, 15-Jan-84 06:17:22 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

What do I need to use my II+ as a terminal for for calling up mainframes?
(Software, Hardware, etc.)
Feel free to suggest any specific brands or sources.
Please reply by mail.
Thanks,
Pete Campbell

From 285612910865667494
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c0244b3846839703,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-15 20:07:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!linus!decvax!harpo!eagle!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: Unusual Music
Message-ID: <2396@rabbit.UUCP>
Date: Sun, 15-Jan-84 23:07:04 EST
Article-I.D.: rabbit.2396
Posted: Sun Jan 15 23:07:04 1984
Date-Received: Mon, 16-Jan-84 05:30:36 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 23

Over the weekend, I wrote a program to simulate a guitar. I plays four
voice chords arranged in the same format as "bar chords" on a guitar with
a range from e to d#. The source is relatively short, but it uses a lot
(and I do mean A LOT) of data, so I have no objections to posting it
and instructions for creating the data (which is very time consuming) if
there is interest. As an alternative, if I'm am sent a BLANK disk with
a SASE (preferably a parcel) I'll send you everything including a very
rudimnetary editor for editing songs, which is due for an update to a

far more intelligent editor. (The first editor isn't even an editor. It
should be called a creator instead, since once a chord is entered, it
can't be changed...)

The playing program is all in assembly langauge, and
I refuse to put in any comments. That's too much of a pain at present.

If you're interested, send reply by mail, and I'll send you the source
and instructions or my home address.

P.S. The program requires absolutely no external hardware.

"Life.. don't talk to me about life" -Marvin
Steve Hawley
<allegra,alice>!rabbit!sdh

From 7011629398318713482
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7276ef2bb6798b72
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-16 20:54:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!linus!philabs!seismo!hao!hplabs!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Re: using II+ as a terminal AND a smarterm **termcap**!
Message-ID: <177@intelca.UUCP>
Date: Mon, 16-Jan-84 23:54:47 EST
Article-I.D.: intelca.177
Posted: Mon Jan 16 23:54:47 1984
Date-Received: Thu, 19-Jan-84 00:57:32 EST
References: <2393@rabbit.UUCP>
Organization: Intel, Santa Clara, Ca.
Lines: 34

Here's a way I set up an apple][+ as a terminal:

1. Bought a smarterm 2.0 80-column board. 80-columns is a must if
   you're really serious. The smarterm is an excellent choice
   because not only does it give you an 80-column display, but
   it also has some smarts (clear-to-end-of-line,
   clear-to-end-of-screen, cursor-positioning). In addition
   it preprocesses the keyboard input to allow upper/lower case
   and a real-shift key if you attach one wire between the keyboard
   and the gameport (real easy, nothing to take apart). Finally,
   it allows you to type all those characters the apple keyboard is
   missing (_`{|}~[]\@). I love unix pipes | and pascal comments { }

2. Homebrewed a serial interface and modem. There are several
   you can buy, however.

3. Bought UCSD Pascal. A terminal emulator can be written in this
   language/system in just a few lines.
   Alternatively, many modems/serial intefaces come with the required
   terminal emulator (with or without smarts) in firmware or on disk.

4. Wrote a unix termcap to allow the apple to be used as a fairly intelligent
   terminal. This allows programs such as vi, vnews, and worms to be run.
   The termcap uses the codes used by the smarterm 2.0 board.
   Here's the entire listing, you may have to tweak the delays:

```
st|smarterm|smarterm 2.0 board for apple ][:\
     am:bs:cm=^^%r%+ %+ :co#80:li#24:cl=^L\200\200\200\200\200\200\200\200:\
     cd=250^K:ce=^]:nd=^\:nc:up=^_:ho=^Y:CO=^TC0:CF=^TC7:
```

```
^ ^     Glen Shires, Intel, Santa Clara, Ca.
O O     {pur-ee,hplabs,ucbvax!amd70}!intelca!glen
 >
\-/    --- stay mellow
```

```
From -36985577955546931
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8b04b749f75ae982,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-17 20:38:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!eagle!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: Unusual music II
Message-ID: <2401@rabbit.UUCP>
Date: Tue, 17-Jan-84 23:38:21 EST
Article-I.D.: rabbit.2401
Posted: Tue Jan 17 23:38:21 1984
Date-Received: Thu, 19-Jan-84 04:40:42 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 18

To glen and klick,

I was unable to send you mail, so I have to tell you through the net.

Posting the source and techniques for data creation is probably not a
good idea. It was no fun when I made the data and I knew what I was doing.

I will more than happy to send you the program and a rudimentary editor I
you send me a floppy. If you have the SC 4.0 assmebler or the SC macro
assembler, let me know so I can send you the source also.

"Life.. don't talk to me about life" -Marvin
<allegra,alice>!rabbit!sdh
Steve Hawley
```

119 Oakwood Dr
Murray Hill, NJ 07974

PS Don't forget to send return postage also.

From 8835896481164440753
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7044a3dd91b7d94d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-21 00:47:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site hp-pcd.UUCP
Path: utzoo!linus!philabs!seismo!hao!hplabs!hp-pcd!tony
From: tony@hp-pcd.UUCP (Tony Yokoyama)
Newsgroups: net.micro.apple
Subject: Re: Re: using II+ as a terminal AND a - (nf)
Message-ID: <4345@hp-pcd.UUCP>
Date: Sat, 21-Jan-84 03:47:29 EST
Article-I.D.: hp-pcd.4345
Posted: Sat Jan 21 03:47:29 1984
Date-Received: Sun, 22-Jan-84 07:44:47 EST
Sender: netnews@hp-pcd.UUCP
Organization: Hewlett-Packard, Corvallis OR
Lines: 5

#R:intelca:-17700:hp-pcd:20000001:000:1
hp-pcd!tony   Jan 19 14:12:00 1984

From -6334238930196197039
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9b50288d5800f479,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-21 14:31:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site intelca.UUCP
Path: utzoo!linus!philabs!seismo!hao!hplabs!intelca!glen
From: glen@intelca.UUCP (Glen Shires)
Newsgroups: net.micro.apple
Subject: Here's what "standard shift key modification" means!
Message-ID: <189@intelca.UUCP>
Date: Sat, 21-Jan-84 17:31:25 EST
Article-I.D.: intelca.189
Posted: Sat Jan 21 17:31:25 1984
Date-Received: Mon, 23-Jan-84 02:37:01 EST
Organization: Intel, Santa Clara, Ca.
Lines: 60

[]

  When I described the smarterm 80-column plug-in apple board, I mentioned
that it provides the ability to make the shift key work as a true shift key

for all letters if one adds the "standard shift key modification" wire. I received a request to explain what this is, and since it may be of general interest, I decided to post my response.

  The Apple][+ keyboard was designed to be upper-case only. Therefore, it only generates the upper-case ASCII codes. Several 80-column display boards allow lower-case and therefore wish to allow the user to use lower-case. One way which is often used by several 80-column boards and some application programs is to intercept the standard keyboard input (see KSW p. 84 of Apple][Reference Manual) and to preprocess the characters. Many boards allow a special character (often control-A) to be typed by the user whenever he wishes to change the case.

  Many boards also allow the user to make a one-wire modification to make the shift-key work right. This is what is known as the "standard shift-key modification". It allows the software preprocessing routine to "read" whether or not the shift key is depressed, and act accordingly. The wire connects the shift-key output to paddle-button-2 (PB0,PB1 are used by many games and connected to many joysticks/paddles; PB2 is usually unused). The keyboard preprocessing routine can then read the status of the shift key by reading $C063.

  This modification is supported by several 80-column cards and some other application programs, read your manuals!

HOW TO DO IT:

  - Open up the apple top, look down into with the keyboard side closest to you.

  - Locate the board directly under the keyboard. It stands above the mother board. It may be marked "Encoder Bd. Apple II"

  - Locate the connector on the right side of this board. It has about 25 pins.

  - The second pin from the right is where one end of the shift-key mod wire goes. Connect a wire to this pin.

  - Now locate the game-port socket (that's where the joysticks/paddles plug-in)

  - Pin 4 is where the other end of the shift-key mod wire goes. This pin is in the right row of pins, fourth from the bottom. Connect the other end of the wire to this pin.

That's it! Now most boards will automatically use the shift-key correctly. Other boards may require that you type a certain control-character to initiate the modification.

  If you aren't the hardware hacker type, many computer stores will do this modification for you.

^ ^   Glen Shires, Intel, Santa Clara, Ca.

O O   {pur-ee,hplabs,ucbvax!amd70}!intelca!glen
 >
\-/   --- stay mellow

From 2695336238470197968
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,69ac4fb7688a5329,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-22 11:51:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxa.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!clyde!burl!hou3c!hocda!houxm!mhuxl!mhuxa!
agnelio
From: agnelio@mhuxa.UUCP (RECALDE)
Newsgroups: net.micro.apple
Subject: fortran program
Message-ID: <1143@mhuxa.UUCP>
Date: Sun, 22-Jan-84 14:51:10 EST
Article-I.D.: mhuxa.1143
Posted: Sun Jan 22 14:51:10 1984
Date-Received: Mon, 23-Jan-84 04:58:32 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 7

i have a program question for the fortran langugage on the apple ii.

i need a program that will give the polynomial equation (of upto 8th degree)
when supplied with the solution set of 30+ numbers. any help would greatly
be appreciated!!! wi
send mail to agnelio
            thanx

From -8345049414775114966
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,138187e51ed5ff81,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,138187e51ed5ff81,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-23 12:02:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site teldata.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!floyd!harpo!ihnp4!
alberta!ubc-vision!uw-beaver!teltone!teldata!mce
From: mce@teldata.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: MacIntosh on Jan. 24th
Message-ID: <219@teldata.UUCP>
Date: Mon, 23-Jan-84 15:02:21 EST
Article-I.D.: teldata.219
Posted: Mon Jan 23 15:02:21 1984
Date-Received: Fri, 27-Jan-84 09:24:21 EST

Organization: Teltone Corp., Kirkland, WA
Lines: 9

In a very expensive looking Super Bowl commercial
Apple announnced the Mac for January 24th. No details
were given. The commercial itself was interesting in
that it was styled very much like the movie `Alien', and
was a direct play off of Orwell's 1984.

Hoping-they-did-it-right,
Brian McElhinney
uw-beaver!teltone!mce

From -9193219870628933941
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bc6bb1a32ec5bd7f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-25 13:04:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!seismo!rlgvax!cvl!nk
From: nk@cvl.UUCP (Nader Kazor)
Newsgroups: net.micro.apple
Subject: INFO needed on MBI's ser/par VIP card
Message-ID: <807@cvl.UUCP>
Date: Wed, 25-Jan-84 16:04:52 EST
Article-I.D.: cvl.807
Posted: Wed Jan 25 16:04:52 1984
Date-Received: Fri, 27-Jan-84 11:19:05 EST
Organization: U. of Md. Computer Vision Lab
Lines: 16

If anyone out there knows anything about the VIP card besides what the
manual says(which by the way doesn't say much), please let me know about
it. I am trying to get the card work with SOFTERM(a terminal emulator)
on my Apple //e. One thing I need to know is that, is the VIP card
compatible to any other card and if so what other card(s).
Please send me mail at

     seismo!rlgvax!cvl!nk

Thanks a lot.

        --Nader

From 5554887088756219518
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f4d027376259fca7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-25 13:15:32 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!seismo!rlgvax!cvl!nk
From: nk@cvl.UUCP (Nader Kazor)
Newsgroups: net.micro.apple
Subject: INFO about setting up SOFTERM
Message-ID: <809@cvl.UUCP>
Date: Wed, 25-Jan-84 16:15:32 EST
Article-I.D.: cvl.809
Posted: Wed Jan 25 16:15:32 1984
Date-Received: Fri, 27-Jan-84 11:19:22 EST
Organization: U. of Md. Computer Vision Lab
Lines: 12

If anyone out there knows which of the printer drivers in SOFTERM
would drive an MBI's serr/parr VIP card, please let me know. Also
how to use the file transfer mode on an Apple //e.
You can send me mail to

     seismo!rlgvax!cvl!nk

Thanks a lot!!!!

    ...Nader

From -4969139278537092222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c51d9a57c72f017,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-25 13:54:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sjuvax.UUCP
Path: utzoo!linus!philabs!seismo!harpo!ihnp4!houxm!hocda!hou3c!burl!clyde!akgua!
psuvax!burdvax!sjuvax!armstron
From: armstron@sjuvax.UUCP (armstrong)
Newsgroups: net.micro.apple
Subject: MACINTOSH opinion and request
Message-ID: <125@sjuvax.UUCP>
Date: Wed, 25-Jan-84 16:54:40 EST
Article-I.D.: sjuvax.125
Posted: Wed Jan 25 16:54:40 1984
Date-Received: Sat, 28-Jan-84 01:58:37 EST
Organization: Saint Josephs Univ. Phila., Pa.
Lines: 19

     Well, after months and months of waiting I finally got a glimpse
of the MACINTOSH. While I was extremely impressed with what it could do,
I was also dissappointed by what it couldn't do.

     What I mean is ... with no internal slots, and as of yet (to the best
of my knowledge) no means of programming the machine, (and more appropriately

the mouse, and 68000 MPU) it is not quite the dream of a hacker ... or even an experience programmer who likes to see himself tested once in a while.

I don't know .. is it just me, or does anyone else out there have similiar feeling on the subject. I would really like to here from anyone who has seen the MAC and gotten either similiar, or different feelings.

Respond either by mail or via the net. I think the topic is applicable.

Thanks,
Len Armstrong
St. Joseph's University.

From 3706832204013655168
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,35e129499129728f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-26 21:15:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site ut-sally.UUCP
Path: utzoo!linus!philabs!seismo!ut-sally!jsq
From: jsq@ut-sally.UUCP (John Quarterman)
Newsgroups: net.micro.apple
Subject: Apple][e kermit
Message-ID: <814@ut-sally.UUCP>
Date: Fri, 27-Jan-84 00:15:31 EST
Article-I.D.: ut-sally.814
Posted: Fri Jan 27 00:15:31 1984
Date-Received: Sat, 21-Jan-84 09:11:07 EST
Organization: U. Texas CS Dept., Austin, Texas
Lines: 7

Has anyone successfully used kermit with an Apple][e (not an Apple][or an Apple][+)? How about with a Super Serial Card? What modifications had to be made from the latest version from Columbia-20 (28-NOV-1983)? Is Antonino N.J. Mione out there?
--
John Quarterman, CS Dept., University of Texas, Austin, Texas
{ihnp4,seismo,ctvax}!ut-sally!jsq, jsq@ut-sally.{ARPA,UUCP}

From -3764882855210860660
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c51d9a57c72f017
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-27 00:22:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH opinion and request

Message-ID: <2438@rabbit.UUCP>
Date: Fri, 27-Jan-84 03:22:03 EST
Article-I.D.: rabbit.2438
Posted: Fri Jan 27 03:22:03 1984
Date-Received: Sat, 28-Jan-84 02:32:48 EST
References: <125@sjuvax.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 18

What one should take into consideration about the macintosh before attcking it from the hacker aspect, is that Apple is not trying to put out machines for hobbyists anymore. The macintosh is supposed to be the first generation of very easy to use, friendly machines. This does two things. It spreads the use of the computer to a wider audience. That's the positive part. The bad part is that the gap between a user and a programmer is ever widening. I think the end result may well be, to a large extent, two groups of people: People who bothered to learn programming before user friendly machines (and will probably be money makers) and people who are whizzes at using what is created for them (these people will probably be managers). Its a little pessimistic, sure, but it seems that Apple is telling less and less about its machines.
  I wanted to work with graphics on someone elses apple ///, but the manuals said close to nothing about how the screen is memory mapped. Its fine for the businessperson, but not programmers.

"Life.. don't talk to me about life" -Marvin
Steve Hawley

From -8232739309330789822
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eec6b889b6179d95,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-27 03:49:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxt.UUCP
Path: utzoo!linus!philabs!seismo!harpo!ihnp4!houxm!mhuxl!mhuxt!evans
From: evans@mhuxt.UUCP (crandall)
Newsgroups: net.micro.apple
Subject: Remember the Mac is newborn
Message-ID: <1194@mhuxt.UUCP>
Date: Fri, 27-Jan-84 06:49:49 EST
Article-I.D.: mhuxt.1194
Posted: Fri Jan 27 06:49:49 1984
Date-Received: Sat, 28-Jan-84 02:36:36 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 11

I called an Apple technical line yesterday and they confirmed that several compilers are in the works for the Mac. Third party software developers can get the specs needed to access the graphics -- its an 800 page book. The unit does have some *expandability* -- you will be able to replace its 16 64k Ram chips with 16 256k chips taking the unit to a half meg.

At least two third party outfits will be offering hard disks for the mac.

All in all the mac's future doesn't look that bad -- remember what the IBM PC was like when it came out.

Steve Crandall

From -3833585981669261639
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eec6b889b6179d95
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-27 08:00:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxm.UUCP
Path: utzoo!linus!philabs!seismo!harpo!ihnp4!ihuxm!brp
From: brp@ihuxm.UUCP (B.R. Priest)
Newsgroups: net.micro.apple
Subject: Re: Remember the Mac is newborn
Message-ID: <842@ihuxm.UUCP>
Date: Fri, 27-Jan-84 11:00:00 EST
Article-I.D.: ihuxm.842
Posted: Fri Jan 27 11:00:00 1984
Date-Received: Sat, 28-Jan-84 02:50:02 EST
References: <1194@mhuxt.UUCP>
Organization: AT&T Bell Labs, Naperville, IL
Lines: 22

The Mac is just what the doctor ordered for millions of would-be computer users. Apple has really got its act together on this one. Journalists seem to be spreading all sorts of disinformation such as: no keybad, not expandable, no hard disk, not IBM compatible, etc. I predict the MAC will be the apple II all over again. Apple will be selling lots of these machines and users who are not computer scientists will at last have a computer that they can relate to.

I think the screen is big enough, a keypad is optional but obtainable, hard disks will be available, some expansion will be allowed, a great deal of 3rd-party software, including games will be available, it will be IBM-compatible, hard disks will be available and Apple will meet the challenge that IBM presents. IBM, where only the janitors are creative, will have to bring out something to compete, and then will act like they invented it. Anyone who doubts the viability of Apple has their eyes closed.

Ben Priest
ATT Bell Labs
ihuxm
--
!ihuxm!brp

From -9197764127271647597

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,ccb76f2c403d84fe,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,ccb76f2c403d84fe,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-27 10:54:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihnss.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Mac Gripes
Message-ID: <1895@ihnss.UUCP>
Date: Fri, 27-Jan-84 13:54:52 EST
Article-I.D.: ihnss.1895
Posted: Fri Jan 27 13:54:52 1984
Date-Received: Tue, 31-Jan-84 02:10:03 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 15

NEWSWEEK states that the Mac case cannot be opened by the user. (I guess that means withjout hacking up the plastic). So much for hardware hackers!
The irony is that the 40-odd designers of the system got to sign their names on the case injection mold die, so if you broke one open they'd be famous (to you, anyway). Is this more "disinformation?" And say, there are a couple of expansion slots, I hope? There better be, for Winnies, music synthesizers, and all the other ad-ons that made the Apple II series so great.
     Let's face it: if you removed the expansion bus card slots from the Apple II, you'd be left with TRS-80 Color Computer except with an inferior microprocessor, lower-level integration, and a 6x price tag.
Apple Co. ought to know the value of 3rd-party soft AND hard ware. mike k
PS: For introducing 3 years olds to computing, I can't imagine anything better than a Mac running the appropriate icons thru the mouse. Kid wouldn't even need to read -- just "point & touch."
Let's hope this great box isn't wasted on businesses.

From 2649492013348704654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c51d9a57c72f017
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-30 10:59:59 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 (Tek) 9/26/83; site orca.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!alberta!ubc-vision!uw-beaver!tektronix!orca!brucec
From: brucec@orca.UUCP (Bruce Cohen)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH opinion and request
Message-ID: <514@orca.UUCP>
Date: Mon, 30-Jan-84 13:59:59 EST
Article-I.D.: orca.514
Posted: Mon Jan 30 13:59:59 1984

Date-Received: Tue, 7-Feb-84 13:07:28 EST
References: <125@sjuvax.UUCP>
Organization: Tektronix, Wilsonville OR.
Lines: 12

Before all the hackers go running off yelling about the Mac's lack of
expansion slots, etc., remember that the Mac has a big brother: Lisa II. The
rumored price sounds right ($3500 w/o hard disk, $5500 with), the memory is
expandable, and there are stories of Unix and C compilers, if that's your
thing. My local dealer says that Lisa II will be shipped to dealers
in about a month.

Bruce Cohen
UUCP: ...!teklabs!tekecs!brucec
CSNET: tekecs!brucec@tektronix
ARPA: tekecs!brucec.tektronix@rand-relay

From 5421277754998477061
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9a0dca073a48496,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-30 14:10:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druky.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!drutx!druky!ddc
From: ddc@druky.UUCP (Custer)
Newsgroups: net.micro.apple
Subject: copy protected backup wanted
Message-ID: <607@druky.UUCP>
Date: Mon, 30-Jan-84 17:10:08 EST
Article-I.D.: druky.607
Posted: Mon Jan 30 17:10:08 1984
Date-Received: Sun, 5-Feb-84 11:26:34 EST
Organization: AT&T Information Systems Laboratories, Denver
Lines: 8

I recently purchased some software that is copy protected.
Does anybody have a way of backing up copy protected software on the
apple. The software in question runs under the UCSD P-system.

Thanks,
David Custer
(303) 538-3517 or (303) 457-4751
druky!ddc

From -3568212349034788995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9445dc6b0ade5c07,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9445dc6b0ade5c07,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-30 18:49:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site sdccs6.UUCP
Path: utzoo!watmath!clyde!floyd!harpo!seismo!hao!hplabs!sdcrdcf!sdcsvax!sdccs6!
ix192
From: ix192@sdccs6.UUCP (The Kenf)
Newsgroups: net.micro.apple,net.micro
Subject: The Macintosh (Dum dum da dum!!!)
Message-ID: <1177@sdccs6.UUCP>
Date: Mon, 30-Jan-84 21:49:10 EST
Article-I.D.: sdccs6.1177
Posted: Mon Jan 30 21:49:10 1984
Date-Received: Wed, 8-Feb-84 03:00:48 EST
Organization: Hacker's Haven, U.C. San Diego
Lines: 14

(To dat great eater of first lines, hopefully now in the sky)

To those of you who happen to have been lucky enough to run into the Mack:

How about letting the rest of us on it? **SOME** of us haven't seen it yet,
and I'd LOOOVE to hear all about it. Give me/us all the details, from the
base price and size of the price sticker to the color clothes the janitor
was wearing... EVERYTHING you remember I'd love to hear!

          Waiting hook-'n-breath,
                        Kenn the Kenf
                        ...!sdcsvax!kenn
                        ...!sdcsvax!sdccs6!ix192
                        ...!sdcsvax!sdccsu3!kenn

From -2147297840023814985
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b4dc959790496e9d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-30 20:33:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!watmath!clyde!burl!hou3c!hocda!houxm!mhuxl!eagle!allegra!alice!rabbit!
sdh
From: sdh@rabbit.UUCP (S. Hawley)
Newsgroups: net.micro.apple
Subject: Apple Music (again)
Message-ID: <2452@rabbit.UUCP>
Date: Mon, 30-Jan-84 23:33:42 EST
Article-I.D.: rabbit.2452
Posted: Mon Jan 30 23:33:42 1984
Date-Received: Sun, 5-Feb-84 14:30:03 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 18

To r2d2:
I couldn't get mail through to you, so I hope you pick this up.

I realized that it would be a waste of both my time and my time to post
the source and the technique for creating data for several reasons.

I am willing, however, to send you the program and a rudimentary editor
if you send me a blank disk and a sase with return postge.

Also note if you have the SC 4.0 or the SC macro assembler so you can have the
source code also.

<allegra,alice>!rabbit!sdh

Steve Hawley
119 Oakwood Dr
Murray Hill, NJ 07974

From 3773028940683849226
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,86240267f5c4e112,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,86240267f5c4e112,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-01-31 10:35:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!hao!hplabs!sytek!blk
From: blk@sytek.UUCP (Brian L. Kahn)
Newsgroups: net.micro,net.micro.apple
Subject: Mac dont need no slots!
Message-ID: <352@sytek.UUCP>
Date: Tue, 31-Jan-84 13:35:29 EST
Article-I.D.: sytek.352
Posted: Tue Jan 31 13:35:29 1984
Date-Received: Fri, 3-Feb-84 02:21:15 EST
References: ukc.4069
Lines: 15

People seem to be forgettin the 2 megabit port on the back of the Mac!

What this provides, among other things, is an easy and generic hookup for
darn near anythin, including a card cage.

If there were internal slots, there would also be twice as much power
supply to serve them and a fan to cool it. More cost, size, and noise.
Even tho i like to add features, I'm with Apple!

On the other hand, why are computer manufacturers compelled to mess up
keyboards? Happens to all of them.

B<

From -6806951352449550044
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a0a2c1ae7286ea5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-01 16:03:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site unm-cvax.UUCP
Path: utzoo!watmath!clyde!floyd!cmcl2!lanl-a!unm-cvax!mathstat
From: mathstat@unm-cvax.UUCP
Newsgroups: net.micro.apple
Subject: copy protection on the apple.
Message-ID: <616@unm-cvax.UUCP>
Date: Wed, 1-Feb-84 19:03:07 EST
Article-I.D.: unm-cvax.616
Posted: Wed Feb 1 19:03:07 1984
Date-Received: Wed, 8-Feb-84 02:24:55 EST
Organization: Univ. of New Mexico, Albuquerque
Lines: 26
First: I don't copy every game i get my hands on but I know a lot about copying
because I backup a lot of my own software and some of my friends for them.

There are only two ways people copy software. One is with software and one
is with hardware. First the software.

      SOFTWARE

1) LOCKSMITH 4.1 ($80.00-$100.00) - Just for copying.
2) COPY][PLUS ($39.00)   - A full DOS system including
                                    disk copying and disk organizing.

both of the the programs have with them copy lists and instructions how
to copy them but i recommend the copy program COPY][PLUS.

      HARDWARE

There are many hardware boards used for copying but the problems with
such boards is that they can only copy TOTAL LOAD programs. WHat i mean
is that if the program loads itself in and then runs without ever using
the disk again then it is a TOTAL LOAD program. The boards are almost
useless on most good software but they are still there and run about
$129.00 to $300.00 .

 I hope I have helped you. If you have any questions you can mail
directly to me.

   Josh Siegel

From -4384103312843284989

X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,d94ca491cdba646e,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 14727c,d94ca491cdba646e,start
X-Google-Attributes: gid14727c,public
X-Google-ArrivalTime: 1984-02-01 20:52:07 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site watrose.UUCP
Path: utzoo!watmath!watrose!gngladstone
From: gngladstone@watrose.UUCP (Gary Gladstone)
Newsgroups: wat.general,net.micro.apple
Subject: APPLE TERMCAP
Message-ID: <6480@watrose.UUCP>
Date: Wed, 1-Feb-84 23:52:07 EST
Article-I.D.: watrose.6480
Posted: Wed Feb 1 23:52:07 1984
Date-Received: Tue, 7-Feb-84 11:24:08 EST
Organization: U of Waterloo, Ontario
Lines: 13

I presently own an APPLE II+ computer, a California Computer Systems CPS
card, and a 300 baud modem (Radio Shack Modem 1).
I have copies of ASCII EXPRESS and VISITERM 1.1.
What is the best way to communicate with UN*X?
Any termcaps and/or suggestions out there in net-land?
Any help would be greatly appreciated, and results will
be posted to the net.

Thanks a lot for your time,

--
                              Gary Gladstone
                              ...watmath!watrose!gngladstone

From 1114635587825927789
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4c51d9a57c72f017
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-03 09:31:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxy.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!drutx!druxy!bees
From: bees@druxy.UUCP (DavisRB)
Newsgroups: net.micro.apple
Subject: Re: MACINTOSH opinion and request
Message-ID: <935@druxy.UUCP>
Date: Fri, 3-Feb-84 12:31:09 EST
Article-I.D.: druxy.935
Posted: Fri Feb 3 12:31:09 1984
Date-Received: Wed, 8-Feb-84 07:48:22 EST
References: <125@sjuvax.UUCP> <514@orca.UUCP>
Organization: AT&T Information Systems Laboratories, Denver

Lines: 29

My local dealer already has Lisa 2. His retail price list is:

```
         LISA 2        $3495
         LISA 2/5  $4495
         LISA 2/10 $5495
```

All these have 512k RAM and the 400K microfloppy. The /5 and /10 refer to 5 mb or 10 mb hard-disk. The 5 is external and the 10 is internal and uses the one parallel port. 1/2 mb RAM expansion is $1495.

The documentation (system overview) claims Microsoft XENIX and UniPress UniPlus+ are available. I assume C comes with them, at least with XENIX. It also claims "MS-DOS (future)".

The Lisa 2 is capable of running Mac software, so it looks like an excellent prospect for Mac software development. From what I've seen (which isn't much) the standard Lisa OS is well suited for this kind of development with their Pascal package. It would be nice if there was a C compiler available under the Lisa OS, too.

I would suggest reading the new magazine Macworld (Premier Issue) that recently came out. It is loaded with information about the Mac and why it is the way it is. My impression is that the Mac is the neatest thing since the release of the IBM-PC. And I am one that thought Apple was all washed up!

     Ray Davis   AT&T Information Systems Laboratories   Denver
     {ihnp4|hogpc}!druxy!bees   (303)538-3991

From 4560711352087310009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2f55138df736ce2,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2f55138df736ce2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-04 15:57:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro,net.micro.apple
Subject: More Mac Bits
Message-ID: <542@ihuxn.UUCP>
Date: Sat, 4-Feb-84 18:57:16 EST
Article-I.D.: ihuxn.542
Posted: Sat Feb 4 18:57:16 1984
Date-Received: Wed, 8-Feb-84 07:39:51 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 56

A followup to my previous letter, "Bits About Mac"

> Mac documentation is excellent. I glanced through the manuals and they've got something for everyone, hackers included. Some are very elementary, but a bunch give good inside data (more of which is to come). One of the great things about Mac is that, from a users standpoint, you don't have to read a single word to operate it. My friend told me to "click the mouse button twice" and from there on I was home free.

> Here is an amusing excerpt from BYTE in an interview with Steve Jobs, Andy Hertfeld, Bill Atkinson, and the other wizards who developed the computer:

> Smith: The diagonal lines look better, too; the jaggies are removed somewhat, and things like that. So, with that, we said, OK, what's that going to mean? And we ended up with 128K and...
> Atkinson: 22K bytes on the screen, and in a 64K machine you couldn't have afforded it. That drove us to 16 RAM chips instead of 8.
> Hertzfeld: By then, we knew we were going with 128K bytes anyway, to run the applications.

> Jobs: I just though I'd show this to you. This is the IBM video board; it's only video, nothing else. It's 69 integrated circuits, more chips than an entire Macintosh, and it basically does nothing. And it doesn't even do that very well.

Jobs is right. The Macintosh disk controller is one chip. And IBM is really going to get blown away by this computer. So is everyone else who has nothing but a name behind their name. No, I am not a salesman from Apple. I am a long-time Apple II owner, but this computer is really superb. IBM's PcJr is a peabrain, not a peaut, with a keyboard made with surplus Radio Shack calculator keys. The IBM's graphics are colorful but not as crisp as the Mac's. Compared to the Mac, everything else is SLOW! Ever tryed to make an Apple II delay in assembly language? Loop to 65,536 for a short delay. And the Mac's AVERAGE speed is 6 times as fast as the Apple II's, besides having far faster routines.

Okay, the microprocessor is not a true, true, 32-bit, its a restricted, yet enhanced 32-bit (no doublethink there) But the IBM isn't really a 16-bit, either. If you really look at it, it has a lot of 8-bit characteristics.

Conclusion: The Mac will be a success. Not might be or should be but will be. Apple is installing them by the umpteen (too early to get raw figures) in universities and if the activity in my local store is indicative of sales nationwide... Every few days the store gets 8 Macs. As soon as they get them they are out the door.

The only reason NOT to by one is that Apple has even more amazing stuff up its sleeve. But I wouldn't wait if I had the money.

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From -5366396324275497
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e61baf44f3a7b3ee,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e61baf44f3a7b3ee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-04 16:04:42 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro,net.micro.apple
Subject: Bits about Mac
Message-ID: <543@ihuxn.UUCP>
Date: Sat, 4-Feb-84 19:04:42 EST
Article-I.D.: ihuxn.543
Posted: Sat Feb 4 19:04:42 1984
Date-Received: Wed, 8-Feb-84 07:40:27 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 44

During the development of the Macintosh I was in contact (through a friend) with some people at Apple, and I have been long awaiting its arrival. I fooled around with this amazing machine-on-two-boards in a local computer store and it blew me away. A man with a little kid came into the store, asked me and my friend about ten questions, played with the computer for five minutes, bought one, and walzed out the door.

Anyway, I read the Feb issues of Byte and Softalk and they provide a wealth of interesting information that I haven't seet on the net...

> The 3 1/2 inch disk drive stores its 400K in an interesting manner: Unlike the Hewlett Packard drive, which stores 270K in 70 tracks with equal amounts of data on each track, the Macintosh drive uses 80 tracks with MORE DATA ON THE OUTER TRACKS. This is possible using software controlled disk speed.

> Mind you the disk that the Mac uses is only single-sided. It may be possible to use a double-sided drive that would store 800K. Apple may be planning on this.

> The 64K of ROM contains lots o' good stuff for programmers: To sum them up from BYTE...: Resource Manager, Font Manager, Quickdraw, Event Manager, Toolbox Utilities, Window Manager, Control Manager, Menu Manager, Text Edit, Dialog Manager, and Desk Manager. Sorry if that's not too descriptive but there are so many routines in each... What is basically means is a standard for future programs, and smaller programs that don't take up

precious RAM space (128 K of it) for screen/memory/mouse, etc. routines.

> Graphics are 512x342 pixels, and there's gonna be a laser printer that will print in color.

> Software soon to come: Pascal, Assembler/Debugger, BASIC, Logo, and LOTS of stuff from other companies. I know that the Zork adventures are coming from Infocom, and other games, not to mention business programs.

More stuff in: "More Mac Bits"

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From -7967978589941982195
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2f55138df736ce2
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2f55138df736ce2
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-04 16:09:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxn.UUCP
Path: utzoo!watmath!clyde!burl!ulysses!mhuxl!ihnp4!ihuxn!mort
From: mort@ihuxn.UUCP (Dubman)
Newsgroups: net.micro,net.micro.apple
Subject: More Mac Bits
Message-ID: <544@ihuxn.UUCP>
Date: Sat, 4-Feb-84 19:09:56 EST
Article-I.D.: ihuxn.544
Posted: Sat Feb 4 19:09:56 1984
Date-Received: Wed, 8-Feb-84 07:41:03 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 61

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The only reason NOT to by one is that Apple may have even more amazing stuff up its sleeve. But I believe that new stuff will mostly be improvements/updates on the Mac/Lisa 2s, networking between them, lots of Apple and lots of 3rd party software, their portable IIe (May?), their double ultra-thin disk drives for the Apple IIe (for use with portable, ?) and stuff like that.

--

Jonathan Dubman - care of:

Mort Dubman AT&T Bell Laboratories
ihnp4!ihuxn!mort Naperville, IL.

From -5806917439744282239
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,a383b6b7caac817b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 13bddc,a383b6b7caac817b,start
X-Google-Attributes: gid13bddc,public
X-Google-ArrivalTime: 1984-02-05 08:36:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!linus!decvax!harpo!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: ih.micro,net.micro.apple
Subject: Apple //e (tm) -- Request for Software info
Message-ID: <613@ihuxp.UUCP>
Date: Sun, 5-Feb-84 11:36:41 EST
Article-I.D.: ihuxp.613
Posted: Sun Feb 5 11:36:41 1984
Date-Received: Thu, 9-Feb-84 03:17:02 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 27

I have just ordered an Apple //e system (128K, 2-drives, ImageWriter
printer, Micromodem //e [300 baud], and the Apple Mouse [when
available]).

I am going to use the system for developing a graphics application
package that I am doing for my Masters Thesis. I need some information
about software. I would appreciate any recommendations.

    + I want a word processor; I also would like a "screen editor",
which I could edit raw files that could be transferred back and forth
between my system and UNIX(tm).

    + Programming languages; I am interested in using Forth or UCSD
Pascal.

Finally, I am interested in some general software (not for my thesis)
such as home financial and tax preparation software.

         Thanks,
              George V. Wilder
              ihnp4!ihuxp!gvw1
--

         George V. Wilder
              IX 1E-420 x0817
                  ihuxp!gvw1

From -286730731895048423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,f7a9decb43d1c82b,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,f7a9decb43d1c82b,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-06 06:44:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxq.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!ihuxq!covert
From: covert@ihuxq.UUCP (covert)
Newsgroups: net.micro,net.micro.apple
Subject: move MAC to net.micro.apple
Message-ID: <592@ihuxq.UUCP>
Date: Mon, 6-Feb-84 09:44:49 EST
Article-I.D.: ihuxq.592
Posted: Mon Feb 6 09:44:49 1984
Date-Received: Thu, 9-Feb-84 06:30:27 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 17

     <<<<< FLAME ON HIGH >>>>>

Hey people, move your comments/reviews etc. about the Apple MAC to
net.micro.apple where it belongs.......
Your comments are much too specific for net.micro..

     <<<< APPLE ROASTED WELL DONE >>>>>

     <<<< FLAME OFF >>>>>>

--
              Richard Covert
              BTL Indian Hills West, Room 1E-408
              ...ihnp4!ihuxq!covert
              (312) 979-7488

From -4097657994088804289
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13bddc,f4be4a6ea240ed02,start
X-Google-Attributes: gid13bddc,public
X-Google-Thread: 1622d3,f4be4a6ea240ed02,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-06 14:27:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 exptools 1/6/84; site ihuxp.UUCP
Path: utzoo!watmath!clyde!burl!we13!ihnp4!ihuxp!gvw1
From: gvw1@ihuxp.UUCP (George V. Wilder)
Newsgroups: ih.micro,net.micro.apple
Subject: Need info on CP/M (tm) cards for the Apple (tm) //e
Message-ID: <616@ihuxp.UUCP>
Date: Mon, 6-Feb-84 17:27:05 EST
Article-I.D.: ihuxp.616
Posted: Mon Feb 6 17:27:05 1984

Date-Received: Thu, 9-Feb-84 08:59:34 EST
Organization: AT&T Bell Labs, Naperville, IL
Lines: 15

I want to get a CP/M card for my Apple //e. I know about the Microsoft card. I would like more info about cards that have 64K memory on them. Do any of them allow co-processing with the 6502. I have heard of two such cards (that have 64K memory); the PCPI and ALS cards. If you have one of these cards (or other CP/M card with 64K memory), I would like to hear about your experiences with them. I will post a summary to the net.

     Thanks,
--

          George V. Wilder
               IX 1A-360 x1937
                   ihnp4!ihuxp!gvw1

From 3536622578312628545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6cb9383843020f0c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-07 00:09:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site dartvax.UUCP
Path: utzoo!linus!decvax!dartvax!mike
From: mike@dartvax.UUCP (Mike Morton)
Newsgroups: net.micro.apple
Subject: macinfo & pointers
Message-ID: <683@dartvax.UUCP>
Date: Tue, 7-Feb-84 03:09:15 EST
Article-I.D.: dartvax.683
Posted: Tue Feb 7 03:09:15 1984
Date-Received: Thu, 9-Feb-84 21:40:39 EST
Organization: Dartmouth College
Lines: 30

[If you read this, you'd be home now (?)]

     In response to Kenn the Kenf's request for Macintosh info:
     We at Dartmouth aren't exactly swimming in documentation. The first two Macs showed three days ago; we are still short on hardware, development software (and developers!), and especially technical info.
     The only really interesting thing I haven't seen in print is that it comes with a cassette and demo diskette to teach you the basics -- a nice demo, well-narrated. MacPaint & MacWrite also come with a cassette; I think most packages won't.
     Check out the latest BYTE, not yet at the stands I think. Personal Computing is OK, but BYTE was more in-depth, with more technical stuff (eg, memory map). Two (!) magazines are out: St.Mac [sic], which looks

blah, and MacWorld, which is good, though it seems more aimed at new users. There are also 3 books in ads, 1 or 2 of which are already out; one is by someone from the Apple's Mac team. I'd be interested if anyone could review these?

There is also an brochure of some 20 pages, which will be in magazines in the next month or two. Apple dealers may have these to give out; they're worth seeing, if only for the mind-blowing graphics. (N.B.: the Japanese woodcut was digitized, not Macpainted as implied!)

It sounds like hype, but you must see and USE the machine to really understand it. Photos in brochures just aren't the same, and don't show you how the elegance or speed, which Lisa-users will love. I hope your Apple dealer doesn't have too long a line of people waiting to see it...

More specific questions?

-- Mike Morton
USENET: ..!decvax!dartvax!mike or ..!linus!dartvax!mike
USMail: c/o Kiewit Computation Center, Dartmouth College, Hanover, NH 03755

From -7075648257647132796
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9a0dca073a48496
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1984-02-07 10:14:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!dudek
From: dudek@utcsrgv.UUCP (Gregory Dudek)
Newsgroups: net.micro.apple
Subject: Re: copy protected backup wanted
Message-ID: <3242@utcsrgv.UUCP>
Date: Tue, 7-Feb-84 13:14:52 EST
Article-I.D.: utcsrgv.3242
Posted: Tue Feb 7 13:14:52 1984
Date-Received: Tue, 7-Feb-84 21:47:58 EST
References: <607@druky.UUCP>
Organization: CSRG, University of Toronto
Lines: 30

There seems to be a lot of software around for backing up "copy protected" software. As far as I know, no single systems works with everything, at least not easily. Locksmith seems to be the oldest and does indeed work, but entails the setting of obscure parameters (I haven't seen the new v5.1 yet, so maybe it is better). Unless you have the correct parameter setting for what you want to copy, or a LOT of time, forget it. [It tries a bunch of defaults automatically, but they rarely work with the "newer" software. Maybe this is simply because locksmith has been around so long that implementors have learned to circumvent it.]

Super copy (v4.7 or so) seems to do very well without any manual intervention. I am not sure if it allows special settings for the real nasties.

I have found "nibbles away (II)" to be very good. I have even

seen special formatting disks which allow you to load the
copy parameters for various programs. In addition, one
can set the backup parameters via a menu. In all, this seems
to be the most flexible and easy-to-use single program. On the
other hand, if you don't have p-rameters for it, it too
is not certain to work.
  It the software you want to backup uses nibble counts, it may
prove very difficult to backup effectively regardless of what system
you use. [This is a protection systems which determines the speed
of the floppy drive used to make the recording and "knows" what the
speed for the original was.]
   Greg Dudek
P.S.: why bother anymore; don't most distributors provide a
free replacement copy if the original fails anyhow?
PPS: This stuff works with pascal diskettes too.

From -8032834417368354206
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d06fcf619a54bbb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-30 10:45:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxf.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!ariel!hou5f!hou5g!
hou5h!eagle!mhuxi!houxm!houxf!dma
From: dma@houxf.UUCP
Newsgroups: net.micro.apple
Subject: //e Word Processor Query
Message-ID: <450@houxf.UUCP>
Date: Fri, 30-Sep-83 13:45:33 EDT
Article-I.D.: houxf.450
Posted: Fri Sep 30 13:45:33 1983
Date-Received: Sun, 2-Oct-83 06:03:03 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 14

I am looking for a word processor for the //e. I have the basic (non-
expanded) 80 column board, an Apple Dot Matrix Printer and a Grappler+
board. I would like a vi-like editor, preview capability, use of all the
//e features, text justification and the ability to use the DMP's
proportional text fonts.

Two packages which sound promising are Zardax and Guttenberg. Has anyone
used either program? I would also be interested in learning about any
other word processors that might fill the bill.

                        Thanks,
                        Doug Anderson
                        AT&T Bell Laboratories
                        houxf!dma

From -4261050975090123 41
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a6578e8be4f582ec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-30 14:01:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxz.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!ariel!houti!hogpc!
houxm!houxz!wh
From: wh@houxz.UUCP
Newsgroups: net.micro.apple
Subject: New Apple Operating System
Message-ID: <530@houxz.UUCP>
Date: Fri, 30-Sep-83 17:01:18 EDT
Article-I.D.: houxz.530
Posted: Fri Sep 30 17:01:18 1983
Date-Received: Sun, 2-Oct-83 07:16:17 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 43

Does anyone know anything about the new operating system for the Apple IIs? I just finished reading the articles on personal computers in this week's Business Week (dated Oct. 3). One of the articles is about Apple Computer and their moves to compete against IBM. A picture shows both a Lisa and Apple //e. The //e has windows, icons and a mouse just like the Lisa! The article mentioned the new OS was expected by January '84.

Let's start the questions.

- Does it require a hard disk? (If yes, then maybe its really MacIntosh.)

- Are they planning new drives or disk formats for the IIs?

- Will the new OS run on the old II/II+? (Maybe it will require hardware additions for the older machines?)

- What will be its compatibility with DOS 3.3 (II;II+;//e), SOS (///) and Lisa's OS?

- Will there be an integrated package of software like the Lisa?

- What languages will be available under the new OS?

- How much will it cost?

- What other questions should I ask a dealer when I finally see the new OS?

I'd appreciate hearing whatever anyone else knows. Have there been any other mentions or articles about the new Apple OS? (P.S. Anyone that thinks I've got room on my desk to push around a mouse has another think coming!)

Wayne Heinmiller
houxz!wh
AT&T Bell Laboratories
Holmdel NJ

From 2776604833627017937
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a6578e8be4f582ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-01 12:31:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!rochester!ritcv!jeh
From: jeh@ritcv.UUCP (James E Heliotis)
Newsgroups: net.micro.apple
Subject: Re: New Apple Operating System
Message-ID: <615@ritcv.UUCP>
Date: Sat, 1-Oct-83 15:31:30 EDT
Article-I.D.: ritcv.615
Posted: Sat Oct 1 15:31:30 1983
Date-Received: Sun, 2-Oct-83 11:09:04 EDT
References: houxz.530
Lines: 10

My first thought at reading Wayne's letter was that he did see a MacIntosh.
Also, what I have heard is that MacIntosh's will NOT have hard discs; they
are a ~$1K machine with one or two mini-mini (4") Sony floppy disc drives.

Jim Heliotis
{allegra,seismo}!rochester!ritcv!jeh
rocksvax!ritcv!jeh
ritcv!jeh@Rochester

From 3764319488691972690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a6578e8be4f582ec
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-02 20:01:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!linus!decvax!harpo!eagle!mhuxi!houxm!ihnp4!inuxc!pur-ee!CSvax:Pucc-

H:ags
From: CSvax:Pucc-H:ags@pur-ee.UUCP
Newsgroups: net.micro.apple
Subject: Re: New Apple Operating System
Message-ID: <318@pucc-h>
Date: Sun, 2-Oct-83 23:01:47 EDT
Article-I.D.: pucc-h.318
Posted: Sun Oct 2 23:01:47 1983
Date-Received: Mon, 3-Oct-83 22:38:02 EDT
References: <530@houxz.UUCP>
Organization: Purdue University Computing Center
Lines: 40

Apple has announced a new operating system for the Apple II series, but I have not heard anything about windows or icons being involved in the new system. Possibly the press releases in Business Week may have confused the Apple II with the MacIntosh. On the other hand, it is quite possible that independent software developers have done some interesting things already with the new system.

The new Apple II operating system is called ProDOS. According to a story in InfoWorld, July 18, 1983, the new system will not be available for retail sale to users until early 1984, but Apple is now licensing the system to software developers for application development. Some commercial programs using the new system should start appearing soon. Some features of ProDOS (according to Apple):

1. Apple III - style file structure (Hierarchical File structure, file naming and data formats are those of Apple III SOS -- Sophisticated Operating System).

2. Ability to move ProDOS data files and data disks between an Apple II running ProDOS and an Apple III running SOS. (Only data files, not programs, are interchangeable)

3. Ability to handle files larger than 143K (the capacity of a disk).

4. Support for interrupt-driven processing, for networking and data communications applications.

5. Faster response to keyboard commands.

The new system is not intended to replace any of the existing Apple operating systems (DOS 3.3, Pascal, or SOS) -- all will continue to be available, says Apple. ProDOS itself will be available only on the Apple II, not Apple III. No hardware changes are needed on any Apple II that has at least 64K of "internal memory" [presumably meaning RAM?]. ProDOS-based applications written in Applesoft BASIC will run on an Apple II Plus or IIe. Those written in assembly language will also run on the old Apple II. The current Disk II interface will still work.

Dave Seaman
..!pur-ee!pucc-h:ags

From -4459443820317741267
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,98b3d1ed57d55ccb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-04 10:19:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihuxj.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxi!houxm!ihnp4!ihuxj!glc1
From: glc1@ihuxj.UUCP
Newsgroups: net.micro.apple
Subject: disk speed program?
Message-ID: <252@ihuxj.UUCP>
Date: Tue, 4-Oct-83 13:19:26 EDT
Article-I.D.: ihuxj.252
Posted: Tue Oct 4 13:19:26 1983
Date-Received: Fri, 7-Oct-83 00:17:09 EDT
Organization: BTL Naperville, Il.
Lines: 8

I have heard of programs to measure the speed of apple disk drives
which are used to calibrate the drives. Is there such a program in
the public domain, or can anyone describe how such a thing would work?

Thanks,
Greg Cury
ihuxj!glc1

From -2149023716900909192
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26b9f96ae7ebf94,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-05 11:20:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!umcp-cs!zben
From: zben@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Disk Speed Program
Message-ID: <2984@umcp-cs.UUCP>
Date: Wed, 5-Oct-83 14:20:57 EDT
Article-I.D.: umcp-cs.2984
Posted: Wed Oct 5 14:20:57 1983
Date-Received: Sun, 9-Oct-83 14:43:21 EDT
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 9

will write another news item.
 Ben Cranston   ...umcp-cs!zben   zben@umd2.ARPA

From -4986448834563767598
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15c683,4bd4afde2978eefe,start
X-Google-Attributes: gid15c683,public
X-Google-Thread: 1622d3,4bd4afde2978eefe,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,4bd4afde2978eefe,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1983-10-06 18:05:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aecom.UUCP
Path: utzoo!linus!philabs!aecom!yechiel
From: yechiel@aecom.UUCP (Yechiel Corn)
Newsgroups: net.wanted,net.micro.apple,net.math
Subject: wanted: tutorial software for apple IIe
Message-ID: <166@aecom.UUCP>
Date: Thu, 6-Oct-83 21:05:52 EDT
Article-I.D.: aecom.166
Posted: Thu Oct 6 21:05:52 1983
Date-Received: Sat, 8-Oct-83 19:40:48 EDT
Organization: Albert Einstein Coll. of Med., NY
Lines: 6

Does anyone know of available software for the apple IIe
to teach intermediate algebra and trigonometry?

                    Yechiel Corn
          {philabs|cucard|pegasus}!aecom!yechiel

From 3132587054078844694
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4dd77d97e8ef37ca,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-07 21:53:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site garfield.UUCP
Path: utzoo!utcsrgv!garfield!sean
From: sean@garfield.UUCP (Sean Byrne)
Newsgroups: net.micro.apple
Subject: Hard disk, Shared Resources for the Apple
Message-ID: <617@garfield.UUCP>
Date: Sat, 8-Oct-83 00:53:05 EDT
Article-I.D.: garfield.617
Posted: Sat Oct 8 00:53:05 1983
Date-Received: Sun, 9-Oct-83 10:15:03 EDT
Organization: Memorial Univ. of Nfld., St. John's, Canada
Lines: 6

Would anyone who has information on a hard disk and/or
networking (shared resources) hardware/software for
the Apple please reply by mail to: Thanks in advance.

--
Sean Byrne
{allegra, ihnp4, utcsrgv}!garfield!sean

From -5656733541380445583
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,985e14358fb8afd3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-10 07:44:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 ggr 9/12/83; site pyuxnn.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!eagle!allegra!alice!rabbit!pyuxnn!
fjh
From: fjh@pyuxnn.UUCP
Newsgroups: net.micro.apple
Subject: info on Franklin ACE 1200?
Message-ID: <141@pyuxnn.UUCP>
Date: Mon, 10-Oct-83 10:44:05 EDT
Article-I.D.: pyuxnn.141
Posted: Mon Oct 10 10:44:05 1983
Date-Received: Mon, 10-Oct-83 23:46:19 EDT
Organization: AT&T Bell Laboratories, Piscataway
Lines: 10

Does anyone have any experience with the Franklin AcE 1200?

If so, I'd appreciate hearing and will post a summary to this
group if it is interesting.

Thanks...

Frederick J. Hirsch (AT&T Bell Laboratories Inc)
----
pyuxnn!fjh 2G-208 Piscataway.

From 6352909764256060589
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2268e412b5d7ae8a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-11 08:41:39 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site qubix.UUCP
Path: utzoo!linus!decvax!decwrl!qubix!gary
From: gary@qubix.UUCP (Gary Wiedenmann)
Newsgroups: net.micro.apple
Subject: 1-6 grade educational software
Message-ID: <587@qubix.UUCP>
Date: Tue, 11-Oct-83 11:41:39 EDT
Article-I.D.: qubix.587
Posted: Tue Oct 11 11:41:39 1983
Date-Received: Thu, 13-Oct-83 04:34:02 EDT

Organization: Qubix Graphic Systems, Saratoga, CA
Lines: 15

My son's school recently received an Apple IIe computer and I am working
with his teacher to set up some educational programs, such as for math,
spelling, social studies, etc. We have logo & applesoft basic. Does
anyone have any programs that might be appropriate or that could be
adapted? Thanks.

Gary Wiedenmann
Qubix Graphic Systems Inc.
18835 Cox Ave
Saratogo, Ca. 95070
408-370-9229 x211
...{decvax,ucbvax}!decwrl!qubix!gary
...ittvax!qubix!gary
decwrl!qubix!gary@Berkeley.ARPA

From 80190128883707848
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fa83ee19a737eebc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-12 05:47:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!bob
From: bob@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on Zeuss, Beltron, and Schmidt? - (nf)
Message-ID: <1983@harpo.UUCP>
Date: Wed, 12-Oct-83 08:47:55 EDT
Article-I.D.: harpo.1983
Posted: Wed Oct 12 08:47:55 1983
Date-Received: Thu, 13-Oct-83 10:03:41 EDT
Sender: bob@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 14

#N::37600001:000:256
!bob   Oct 12 08:47:00 1983

I am considering buying a Zeus 2001 or Beltron.   Does anyone have experience
with either of these machines or with K. S. Schmidt of Cheyenne Wyoming?

R.L. Carroll
Bell Labs
Whippany , N.J
e

Rm 2E232a
201-386-2609
harpo!bob

From 2716933545572855783
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fa83ee19a737eebc
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-12 06:03:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site harpo.UUCP
Path: utzoo!linus!decvax!harpo!notes
From: notes@harpo.UUCP
Newsgroups: net.micro.apple
Subject: Info on Zeuss, Beltron, and Schmidt? - (nf)
Message-ID: <1984@harpo.UUCP>
Date: Wed, 12-Oct-83 09:03:51 EDT
Article-I.D.: harpo.1984
Posted: Wed Oct 12 09:03:51 1983
Date-Received: Thu, 13-Oct-83 10:05:11 EDT
Sender: notes@harpo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 14

#N::37600001:000:256
!bob   Oct 12 08:47:00 1983

I am considering buying a Zeus 2001 or Beltron.   Does anyone have experience
with either of these machines or with K. S. Schmidt of Cheyenne Wyoming?
                        R.L. Carroll
                        Bell Labs
                        Whippany , N.J
e
                        Rm 2E232a
                        201-386-2609
                        harpo!bob

From 3672028891808212334
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,782a0c93fb850b93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-12 10:09:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!lgondor
From: lgondor@utcsrgv.UUCP (Les Gondor)
Newsgroups: net.micro.apple
Subject: disassembler wanted
Message-ID: <2458@utcsrgv.UUCP>
Date: Wed, 12-Oct-83 13:09:25 EDT
Article-I.D.: utcsrgv.2458
Posted: Wed Oct 12 13:09:25 1983
Date-Received: Wed, 12-Oct-83 13:46:23 EDT
Organization: CSRG, University of Toronto
Lines: 8

Does anyone out there in Netland know where I could get a 6502 disassembler
running under the P-system on a Apple][? It would be nice to get a P-code
disassembler as well.

Les Gondor, U of Toronto CSRG
{cornell,watmath,ihnp4,floyd,allegra,ubc-vision,uw-beaver}!utcsrgv!lgondor
{cwruecmp,duke,linus,decvax,research}!utzoo!utcsrgv!lgondor
ARPAddress: utcsrgv!lgondor@UW-BEAVER

From -8807104401182807158
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,ded3582312d65e8d,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,ded3582312d65e8d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-12 14:36:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!dennis
From: dennis@qumix.UUCP (Dennis T. Chen)
Newsgroups: net.micro.apple,net.wanted
Subject: Termcaps for Apple IIs
Message-ID: <206@qumix.UUCP>
Date: Wed, 12-Oct-83 17:36:36 EDT
Article-I.D.: qumix.206
Posted: Wed Oct 12 17:36:36 1983
Date-Received: Thu, 13-Oct-83 23:06:05 EDT
Lines: 8

Does any one in this group have a termcap entries for Apple II,
Apple II+ and Apple IIe (either 40 or 80 columns screen) ?
I would be appreciated if you can send me a copy of those via mail.

Thanks in advance

_Dennis
...ittvax!qumix!dennis

From 7084093012515968254
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,33c0cf7282f9da93,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,33c0cf7282f9da93,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,33c0cf7282f9da93,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-13 07:51:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site we53.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!drux3!ihnp4!we13!
we53!lbb
From: lbb@we53.UUCP

Newsgroups: net.micro,net.wanted,net.micro.apple
Subject: TERMCAP for APPLE (with videx 80 col. board) wanted.
Message-ID: <187@we53.UUCP>
Date: Thu, 13-Oct-83 10:51:29 EDT
Article-I.D.: we53.187
Posted: Thu Oct 13 10:51:29 1983
Date-Received: Fri, 14-Oct-83 09:26:35 EDT
Organization: Western Electric, St. Louis
Lines: 6

Wanted TERMCAP for the APPLE II+ with the videx 80 column
board. Intended to be used with a visual editors, ect.

L. B. Bromberg
ihnp4!we53!lbb

From -8610685759178815626
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,480b63697c139ea,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-17 06:34:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!ittvax!qumix!dennis
From: dennis@qumix.UUCP (Dennis T. Chen)
Newsgroups: net.micro.apple
Subject: Termcaps for APPLE IIs
Message-ID: <209@qumix.UUCP>
Date: Mon, 17-Oct-83 09:34:51 EDT
Article-I.D.: qumix.209
Posted: Mon Oct 17 09:34:51 1983
Date-Received: Tue, 18-Oct-83 02:53:23 EDT
Lines: 125

Followings are the summary of termcap entries for Apple IIs which I asked
from the net.
==========
>From ittvax!dcdwest!sdccsu3!brian@sdcsvax.UUCP Thu Oct 13 12:03:35 1983
Date: 13 Oct 83 06:40:08 PDT (Thu)
Full-Name: Brian Kantor
Subject: Re: Termcaps for Apple IIs
Message-Id: <8310131340.AA00845@sdccsu3.UCSD>
Received: by sdccsu3.UCSD (3.327/1.0ucsd)
id AA00845; 13 Oct 83 06:40:08 PDT (Thu)
Received: from sdccsu3.UCSD (sdccsu3.ARPA) by sdcsvax.UCSD (3.327/1.0ucsd)
id AA06137; 13 Oct 83 06:41:37 PDT (Thu)
To: sdcsvax!dcdwest!ittvax!qumix!dennis
References: <206@qumix.UUCP>

#
#This entry assumes that you are using an apple with the UCSD Pascal

```
#language card.  SYSTEM.MISCINFO is assumed to be the same as that
#supplied with the standard apple except that screenwidth should be set
#using SETUP to 80 columns.  Note that the right arrow in not mapped in
#this termcap entry.  This is because that key, on the Apple, transmits
#a ^U and would thus preempt the more useful "up" function of vi.
#
#HMH
#
#2/23/81
ap|apple|apple80|80-column apple with Pascal card:\
     :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
     :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
p4|apple40|40-column apple with Pascal card:\
     :bs:cd=^K:co#80:ce=^]:cl=^Y^L:cm=^^%r%+ %+ :kl=^H:\
     :li#24:nd=^\\:up=^_:ho=^Y:bw:am:
```

==========

```
>From ittvax!decvax!vax135!floyd!ihnp4!mtplx1!washu!jwm Thu Oct 13 16:11:41 1983
Date: 13 Oct 83  13:04:00 EDT  (Thu)
From: decvax!vax135!floyd!ihnp4!mtplx1!washu!jwm
Subject: Re: Termcaps for Apple IIs
Message-Id: <8310132248.AA01204@decvax.UUCP>
Received: by decvax.UUCP (3.326/3.7)
     id AA01204; 13 Oct 83 18:48:05 EDT (Thu)
To: mtplx1!ihnp4!clyde!floyd!vax135!cornell!uw-beaver!microsoft!decvax!ittvax!
qumix!dennis
References: <206@qumix.UUCP>

Dear Dennis,

I have a Franklin Ace 1000 (which is an Apple II+ clone in case you
don't know) with a Franklin 80 column card.  I also purchased ASCII
EXPRESS "The Professional" from Soutwestern Data Systems which includes
stuff for file transfer, printing, and other things as well as terminal
emulation.  It is a well done piece of software and is worth the price
(~$90 in BYTE).  However, along the way I have hacked a termcap entry
for the native hardware that works well even without the emulation
software running.  I don't know if the Videx 80 column board is the
same as mine though.  Contact me if I can be of further assistance.

Here is the termcap entry:
xx|frank|Franklin Ace 1000:\
     :bs:bw:cd=^K:ce=^]:cl=^L:cm=^^%r%+ %+ :\
     :co#80:li#24:nc:ms:nd=\034:se=^N:so=^O:up=^_:xr:

                        John W. Matthews
                        Washington University
                        Computer Systems Laboratory
                        724 S. Euclid Ave.
                        St. Louis, MO 63110
                        (314) 454-3395
..!ihnp4!washu!jwm
```

==========

```
>From ittvax!decvax!vax135!floyd!harpo!eagle!mhuxi!cbosgd!mww@cbdkc1.UUCP Thu Oct
```

13 17:45:18 1983
Date: 13 Oct 83 16:52:08 EDT (Thu)
From: decvax!cbosgd!cbdkc1!mww
Subject: Termcap for Apple II+
Message-Id: <8310132052.AA04151@cbosgd.UUCP>
Received: by cbosgd.UUCP (3.327/3.7)
     id AA04151; 13 Oct 83 16:52:08 EDT (Thu)
Received: by decvax.UUCP (3.326/3.7)
     id AA01957; 13 Oct 83 19:16:10 EDT (Thu)
Sent-By: cbdkc1.UUCP Thu Oct 13 16:49 EDT 1983
Apparently-To: mhuxi!eagle!harpo!floyd!vax135!cornell!uw-beaver!microsoft!decvax!
ittvax!qumix!dennis

Dennis:

     I use the following termcap with ASCII Pro Express communications
package (~$125.00 and well worth it!). I bought it after several
attempts at writing and testing homegrown termcaps--all unsuccessful.
Termcap follows:

```
|apple|Apple II+ running ASCII Express Pro--vt52:\
      :bs:\
      :co#80:\
      :li#24:\
      :up=\EA:\
      :nd=\EC:\
      :ce=\EK:\
      :cl=300^L:\
      :cd=\EJ:\
      :ho=\EH:\
      :cm=\EY%+ %+ :
```

I configure .profile as follows:

```
stty erase ''
PATH=:/musr2/lbin:/bin:/usr/bin
export PATH
PS1='=ptah=>'
echo 'TERMINAL?: \c'
read TERM
case $TERM in
  apple)
        TERMCAP=/musr2/mww/apple.tcap
        export TERMCAP
        export TERM
        ;;
      *)
        TERMCAP=/etc/termcap
        export TERMCAP
        export TERM
        ;;
esac
```

Good luck,
Mike Warren
AT&T Bell Laboratories
==========

From 1879094511939776947
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,60da3973c0ec5c50,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,60da3973c0ec5c50,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-10-17 07:17:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hou5e.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!clyde!ihnp4!houxm!mhuxi!eagle!hou5h!hou5g!
hou5f!hou5e!jrr
From: jrr@hou5e.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: P-code info wanted
Message-ID: <842@hou5e.UUCP>
Date: Mon, 17-Oct-83 10:17:27 EDT
Article-I.D.: hou5e.842
Posted: Mon Oct 17 10:17:27 1983
Date-Received: Tue, 18-Oct-83 20:30:06 EDT
Organization: AT&T Information Systems Laboratories, Holmdel, NJ
Lines: 10

I am looking for info on P-code systems for 6502's.
If anyone knows of any literature on P-code systems in general
and their definitions please let me know by mail or publish
a list of where I can find such literature.

Thanks,

Jim Rankin
201-834-3729

From -7851299622399764683
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,ded3582312d65e8d
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,ded3582312d65e8d
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-17 15:23:16 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ucf-cs.UUCP
Path: utzoo!linus!decvax!duke!randy@ucf-cs.UUCP (Randy Hendry)
From: randy@ucf-cs.UUCP
Newsgroups: net.micro.apple,net.wanted
Subject: Re: Termcaps for Apple IIs

Message-ID: <1025@ucf-cs.UUCP>
Date: Mon, 17-Oct-83 18:23:16 EDT
Article-I.D.: ucf-cs.1025
Posted: Mon Oct 17 18:23:16 1983
Date-Received: Thu, 20-Oct-83 05:54:49 EDT
References: <206@qumix.UUCP>
Organization: University of Central Florida
Lines: 16

I have been using the following termcap for my Apple][+. It requires
an 80 column Videx (or lookalike) card. This version uses the reverse
character set eprom which may not be on all cards. The 250 delay for
cl is a little long and you might be able to shorten it.

This is my first try at a termcap. It seems to work fine, but if anyone
has any suggestions I would appreciate them.

P.s. Hello Dennis!
```
-----------------------------------
#
#The next one was added by rjh - UCF Jun 1983.
#
ap|Apple|Apple II w/ Videx Card:am:bs:bw:cd=^K:ce=\035:cl=250^L:\
     :cm=\036%r%+ %+ :co#80:do=^J:is:=^Z0^Z2:ku=^U:kl=^H:\
     :li#24:nd=\034:se=^Z2:so=^Z3:up=\037:
```

From 6371300743294965130
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b3693fdb50237406,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-18 11:50:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mprvaxa.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!ubc-visi!mprvaxa!jackson
From: jackson@mprvaxa
Newsgroups: net.micro.apple
Subject: PROLOG for Apple II - wanted
Message-ID: <328@mprvaxa.UUCP>
Date: Tue, 18-Oct-83 14:50:19 EDT
Article-I.D.: mprvaxa.328
Posted: Tue Oct 18 14:50:19 1983
Date-Received: Fri, 21-Oct-83 06:17:22 EDT
Organization: Microtel Pacific Research, Burnaby BC
Lines: 10

Subject: PROLOG for apple: wanted.
Newsgroups: net.micro net.micro.apple net.wanted

Am looking for PROLOG to run on an Apple.
Does anyone have information on availability?
Please mail any info you may have

thanks
Taylor Jackson

From -9080089170256813960
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b3693fdb50237406
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,7bf4de5e255de5cd,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 129c11,7bf4de5e255de5cd,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-10-18 13:40:52 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mprvaxa.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!ubc-visi!mprvaxa!jackson
From: jackson@mprvaxa
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: PROLOG for Apple II - wanted
Message-ID: <331@mprvaxa.UUCP>
Date: Tue, 18-Oct-83 16:40:52 EDT
Article-I.D.: mprvaxa.331
Posted: Tue Oct 18 16:40:52 1983
Date-Received: Fri, 21-Oct-83 06:15:58 EDT
Organization: Microtel Pacific Research, Burnaby BC
Lines: 7

Am looking for PROLOG to run on an Apple.
Does anyone have information on availability?
Please mail any info you may have

thanks
Taylor Jackson

From -9173019799328508702
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,d3bb3cc547c59af3,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,d3bb3cc547c59af3,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,d3bb3cc547c59af3,start
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1983-10-19 06:35:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houem.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!harpo!eagle!mhuxi!houxm!houem!gtp
From: gtp@houem.UUCP
Newsgroups: net.wanted,net.micro.pc,net.micro.apple
Subject: Winchester Disk Drive for sale
Message-ID: <180@houem.UUCP>
Date: Wed, 19-Oct-83 09:35:09 EDT
Article-I.D.: houem.180

Posted: Wed Oct 19 09:35:09 1983
Date-Received: Thu, 20-Oct-83 07:42:24 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 26

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or weekend evenings.

* or send reply mail

From 8355277158178270127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4558186dfc4d1db9,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,4558186dfc4d1db9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-20 09:05:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 10/6/83; site iwu1c.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!ihnp4!iwu1c!jgpo
From: jgpo@iwu1c.UUCP (John, KA9MNK)
Newsgroups: net.micro,net.micro.apple
Subject: Which printer?
Message-ID: <159@iwu1c.UUCP>
Date: Thu, 20-Oct-83 12:05:38 EDT
Article-I.D.: iwu1c.159
Posted: Thu Oct 20 12:05:38 1983
Date-Received: Fri, 21-Oct-83 09:48:51 EDT
Organization: AT&T Bell Labs, Naperville, Il
Lines: 16

I am thinking of buying a printer for my Apple //e. I'll probably
get the Grappler+ interface, and am trying to decide between the
Prowriter and the Okidata 92. Several people at work own and love the
Prowriter, but the Oki's print quality looks a bit better (at slow speed).
Consumer Reports said the Oki was one of the best printers they tested,
but they didn't test the Prowriter, unfortunately.

Does anyone have any experience with either of these printers? Also,
would anyone care to comment on my choice of interface? The Grappler+
looks pretty good to me, but I'm always open to suggestions.

    Thanks,
    John Opalko
    ...!ihnp4!iwu1c!jgpo

From -13317380740198883
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4558186dfc4d1db9
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,4558186dfc4d1db9
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-21 13:27:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site aplvax.UUCP
Path: utzoo!linus!decvax!genrad!grkermit!masscomp!clyde!floyd!harpo!seismo!rlgvax!
cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Which printer?
Message-ID: <382@aplvax.UUCP>
Date: Fri, 21-Oct-83 16:27:33 EDT
Article-I.D.: aplvax.382
Posted: Fri Oct 21 16:27:33 1983
Date-Received: Mon, 24-Oct-83 20:24:17 EDT
References: <159@iwu1c.UUCP>
Organization: JHU/Applied Physics Lab, Laurel, MD
Lines: 13

    Some time ago I was also comparing printers for the Apple
//e. I found the Okidata 92 to be a much more useful printer. While
it was a little more than the Prowriter (I think), it seemed the
better buy. Actually, I was buying the printer for my parents, so
I also wanted something I could trust. So far they have not had
any problem with it. It also has one of the best "multi-strike"
fonts I have seen on a dot-matrix printer. I strongly recommend the
Okidata.

--
                    eric
                    ...!seismo!umcp-cs!aplvax!eric

From -563372422781973159
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,2fddbba45cf0de39,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2fddbba45cf0de39,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-21 18:41:06 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 10/6/83; site iwu1c.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!ihnp4!iwu1c!jgpo
From: jgpo@iwu1c.UUCP (John, KA9MNK)
Newsgroups: net.micro,net.micro.apple
Subject: RE: Which printer?
Message-ID: <160@iwu1c.UUCP>
Date: Fri, 21-Oct-83 21:41:06 EDT
Article-I.D.: iwu1c.160
Posted: Fri Oct 21 21:41:06 1983
Date-Received: Sat, 22-Oct-83 17:10:06 EDT
Organization: AT&T Bell Labs, Naperville, Il
Lines: 11

Thanks to everyone who took the time to advise me on which printer/interface
to buy for my //e. I just went out and bought a Prowriter and a Grappler+
interface card. General consensus was the Grappler is a darn good interface
and the differences between the Prowriter and the Okidata 92 (wrt print quality
and features) are minimal. The Prowriter, however, was considered to be more
sturdily built.

Once again, thanks for all the help.

     John Opalko

From 8171492391544691807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a2c7f92dc14d0717,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-25 11:45:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!zben
From: zben@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Disk Speed Calibration Program (Finally)...
Message-ID: <3335@umcp-cs.UUCP>
Date: Tue, 25-Oct-83 14:45:29 EDT
Article-I.D.: umcp-cs.3335
Posted: Tue Oct 25 14:45:29 1983
Date-Received: Wed, 26-Oct-83 07:40:48 EDT
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 39

[From the virtual flamethrower of ZBEN]

I am sorry to have taken so long to post this information, but I wanted to ensure its correctness.

Before we start, I should mention that the popular commercial utility programs "Locksmith" and "Nibbles Away" both contain extensive disk speed tests, full media verify, etc. They are available in the $50-$100 range.

There is a disk speed program on Volume 1 (Utilities 1) of the Washington Apple Pi (WAP) library. This disk is in DOS 3.2 (13 sector) format but my brother assures me that it MUFFINs over to DOS 3.3 (16 sector) format very nicely. There is a binary (BLOAD) file and an INTEGER basic driver. This may be a problem for those with Apple][+ machines without language cards, but if its the usual BLOAD and leap to it program it shouldn't be too hard to gerrymander an Applesoft version.

To order disks from WAP send a request to the following address:

Washington Apple Pi - ATTN: Librarian
8227 Woodmont Avenue, Suite 201
Bethesda, MD 20814 U.S.A.

Please allow 6-8 weeks for delivery. There are several hundred disks available in the WAP library. Disk prices are:

If mail-ordered:				
1st five disks of order	members:	$7.00	nonmembers:	$10.00
remainder of order	members:	$5.00	nonmembers:	$8.00
If picked up at office/meeting:	members:	$5.00	nonmembers:	$8.00

The WAP is a large user's group with international membership. I checked the last directory, of the non-USA members there were: France:2 Belgium:1 Canada:5 England:1 Thailand:1 Saudi Arabia:1 South Africa:1. Dues are $25 for the first year and $18 for subsequent years. Those wishing to join are urged to send to the above address, ATTN: Membership, for membership application forms.
zben

From -1139708267050251625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3af2744cd42ab3a0,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,3af2744cd42ab3a0,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-10-30 10:18:31 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-k
Path: utzoo!linus!security!genrad!decvax!harpo!floyd!clyde!ihnp4!inuxc!pur-ee!
CSvax:Pucc-H:Pucc-I:Pucc-K:ags

From: CSvax:Pucc-H:Pucc-I:Pucc-K:ags@pur-ee.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: In Defense of Apple Pascal
Message-ID: <110@pucc-k>
Date: Sun, 30-Oct-83 13:18:31 EST
Article-I.D.: pucc-k.110
Posted: Sun Oct 30 13:18:31 1983
Date-Received: Sun, 6-Nov-83 15:00:43 EST
References: <678@ihuxl.UUCP>
Organization: Purdue University Computing Center
Lines: 12

Dave Newkirk writes of Apple Pascal:

  "It is a good implementation of the language, lacking only the NEW() function for memory allocation."

  I agree that it is a good implementation of the language, but NEW() works just fine on my Apple Pascal 1.1 system. I suspect he meant that DISPOSE() is not implemented, which is true. There are MARK() and RELEASE() procedures offered as a partial substitute.

Dave Seaman
..!pur-ee!pucc-k:ags

From -5926073674681181509
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 160fc0,c430960ec956e5f0,start
X-Google-Attributes: gid160fc0,public
X-Google-Thread: 1622d3,c430960ec956e5f0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-10-31 07:11:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 10/6/83; site ihuxk.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!ihnp4!ihuxk!khs55611
From: khs55611@ihuxk.UUCP (Kent Springer)
Newsgroups: ih.exptools,net.micro.apple
Subject: vcalc<-->visicalc filters?
Message-ID: <484@ihuxk.UUCP>
Date: Mon, 31-Oct-83 10:11:09 EST
Article-I.D.: ihuxk.484
Posted: Mon Oct 31 10:11:09 1983
Date-Received: Thu, 3-Nov-83 03:23:02 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 9

I have been trying to convert vcalc files to an apple compatible (visicalc) format. Does anyone have a set of filters for converting files back and forth? The format appears to be similar, but my attempts thus far have not been successful.
Any pointers would be appreciated.

Thanks,
  Kent Springer
  ihuxk!khs55611

From -2942628842125908547
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,b9e60e99a0806cc4,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b9e60e99a0806cc4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-01 13:16:24 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!umcp-cs!zben
From: zben@umcp-cs.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Apple disk drive question
Message-ID: <3513@umcp-cs.UUCP>
Date: Tue, 1-Nov-83 16:16:24 EST
Article-I.D.: umcp-cs.3513
Posted: Tue Nov 1 16:16:24 1983
Date-Received: Fri, 4-Nov-83 02:25:52 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 7

[..]
Why does write protect switch connect to motor phase 1? So the DOS can
test for write enable? How else would it know not to try to write?
I recommend a close comparison of the controller and disk schematics from
the DOS manual with a copy of "Beneath Apple Dos", with particular
attention to the coding sequence given for "testing write protect"...
Ben Cranston   ...seismo!umcp-cs!zben   zben@umd2.ARPA

From 7253443066267282654
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce3c433a3315b637,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-02 05:03:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 10/6/83; site ihuxj.UUCP
Path: utzoo!linus!security!genrad!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!
drux3!ihnp4!ihuxj!glc1
From: glc1@ihuxj.UUCP
Newsgroups: net.micro.apple
Subject: bare expansion boards
Message-ID: <273@ihuxj.UUCP>
Date: Wed, 2-Nov-83 08:03:26 EST
Article-I.D.: ihuxj.273
Posted: Wed Nov 2 08:03:26 1983
Date-Received: Sun, 6-Nov-83 04:01:35 EST
Organization: AT&T Bell Labs, Naperville, Il

Lines: 10

I am thinking about building a homebrew I/O board for
my apple. Anybody know a good source for boards for
expansion slots? (Chicago area or mail order)
How about prices?

Thanks,
Greg Curry
...!ihnp4!ihuxj!glc1

From 6310088811125748363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,3af2744cd42ab3a0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,3af2744cd42ab3a0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-04 06:45:49 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 10/6/83; site ihuxm.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!houxm!ihnp4!ihuxm!brp
From: brp@ihuxm.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: In Defense of Apple Pascal
Message-ID: <683@ihuxm.UUCP>
Date: Fri, 4-Nov-83 09:45:49 EST
Article-I.D.: ihuxm.683
Posted: Fri Nov 4 09:45:49 1983
Date-Received: Mon, 7-Nov-83 01:20:59 EST
References: <678@ihuxl.UUCP>, <110@pucc-k>
Organization: AT&T Bell Labs, Naperville, Il
Lines: 9

No-the New() procedure does not work properly in Apple Pascal.
Memory must be allocated using New() and released in a particular
order or disastrous results are likely to be achieved. The
implementation of new should be user-transparent and it is not.
Apple Pascal does not keep an available list of free memory for
new-just as the they do not dynamically allocate strings-another
weakness. I still like the implementation, however.

Ben Priest

From 8077659774860350444
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 11b3ac,26baf258a0be16d4,start
X-Google-Attributes: gid11b3ac,public
X-Google-Thread: 1579f2,26baf258a0be16d4,start
X-Google-Attributes: gid1579f2,public
X-Google-Thread: 1622d3,26baf258a0be16d4,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-04 15:52:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site allegra.UUCP
Path: utzoo!linus!decvax!harpo!eagle!allegra!jac
From: jac@allegra.UUCP
Newsgroups: net.crypt,net.micro.apple,net.flame
Subject: software piracy and coupons
Message-ID: <1947@allegra.UUCP>
Date: Fri, 4-Nov-83 18:52:48 EST
Article-I.D.: allegra.1947
Posted: Fri Nov 4 18:52:48 1983
Date-Received: Mon, 7-Nov-83 22:13:59 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 52

subject:software piracy-coupons and other methods.
     Jonathan A. Chandross (BTL MH)

     As a software pirate I was bemused to read of the new
methods which you people seem to think will stop software piracy.

SOUNDS LIKE THE METHODS CURRENTLY IN EXISTANCE (ALMOST).

     The methods currently in existance are:

     1) Non-standard DOS (disk operating system)
        This means that the disk is written in such a way that only
           the companies load routines can access it.

     2) Nibble-count
           The number of bytes on a given track (or tracks) is known.
        When a copy is made, the number is different, and the progran
        senses this and refuses to boot, erases itself,.....

     3) Serial numbers
         Removing serial numbers is so trivial that it doesn't even
         bear mentioning.

     I have little or no trouble removing the protection on these
disks. There are other methods, but they get complicated to explain,
and I don't think that this is the time or the place to explain them.
What my friends and I do is allow the program to load, and put it on
a normal disk after removing nibble count checks, DOS checks .....
In other cases (ie non-total load) we merely transfer all of the files,
or copy the disk preserving the nibble count.

     Any time that someone comes out with a new method of protection,
it is usually out on the streets stripped of its protection inside of a
few months. I happen to think that these guys (meaning the proponents
of the system) don't know what the Heck they are talking about.

Putting on "bad" sections on the disk is no problem to remove.
I know of one game which uses them. It took about 20 minutes to strip
the protection off of it.

Jonathan A. Chandross
Bell Laboratories, Murray Hill
Allegra!jac

NOTE: THE OPINIONS EXPRESSED ABOVE ARE NOT NECCESSARILY THE OPINIONS
OF MY EMPLOYER. NOR ARE THEY NECESSARILY CONDONED OR ENCOURAGED.

From 6709868050116703832
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,3af2744cd42ab3a0
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,3af2744cd42ab3a0
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-05 09:26:41 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!zben
From: zben@umcp-cs.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: In Defense of Apple Pascal
Message-ID: <3603@umcp-cs.UUCP>
Date: Sat, 5-Nov-83 12:26:41 EST
Article-I.D.: umcp-cs.3603
Posted: Sat Nov 5 12:26:41 1983
Date-Received: Tue, 8-Nov-83 01:04:35 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 21

[..]

> I am not surprised that beginners would run into the
> "procedure too long" limitation. Beginners' programs typically contain
> long stretches of straightline "stream-of-consciousness" code...
> Dave Seaman

We had a "dinosaur" user who got the same type of diagnostic. His program
turned out to be one 4000 line procedure! (Yes, he was an EE...) I got
the same diagnostic on a monster case statement later that year.

> No-the New() procedure does not work properly in Apple Pascal.
> Memory must be allocated using New() and released in a particular
> order or disastrous results are likely to be achieved...
> Ben Priest

Isn't this really a problem with the release function? I had understood
that standard Pascal didn't HAVE a release function. I have always
programmed a free-list routine so records of each type might be reused.

Ben Cranston   ...seismo!umcp-cs!zben   zben@umd2.ARPA

From -5878128883605916969
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eb460ab0b3e39938,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,eb460ab0b3e39938,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-11-07 06:35:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxl.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxl!houxm!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Followup to 'In Defense of Apple Pascal'
Message-ID: <709@ihuxl.UUCP>
Date: Mon, 7-Nov-83 09:35:33 EST
Article-I.D.: ihuxl.709
Posted: Mon Nov 7 09:35:33 1983
Date-Received: Tue, 8-Nov-83 21:21:04 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 8

    I'm almost glad I made the mistake of switching NEW() for RELEASE()
    or I would not have seen how many other people use Apple Pascal.
    I don't like everything about it, but it a good implementation
    for a micro as old as the Apple II. Some more info on Apple
    Pascal can be found in old net.micro.apple messages.

                    Dave Newkirk, ihnp4!ihuxl!dcn

From -91032773827749145
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c7bb7bcaf238fa17,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-07 10:26:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: pwd for APPLE AZTEC 'C' system
Message-ID: <183@mb2c.UUCP>
Date: Mon, 7-Nov-83 13:26:02 EST
Article-I.D.: mb2c.183
Posted: Mon Nov 7 13:26:02 1983
Date-Received: Tue, 8-Nov-83 15:30:43 EST

Lines: 4

Tired of having to look to see which light turns on when you do an 'ls' command. Do your fingers keep typing 'pwd'? I have posted a copy of my 'pwd' command to net.sources for your usage for what its worth.

From 652362584720948072
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ebf60c0e4cb42dda,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-07 10:38:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: 'dir' for APPLE AZTEC 'C' system
Message-ID: <184@mb2c.UUCP>
Date: Mon, 7-Nov-83 13:38:20 EST
Article-I.D.: mb2c.184
Posted: Mon Nov 7 13:38:20 1983
Date-Received: Tue, 8-Nov-83 15:34:09 EST
Lines: 23

One of the first things that I got tired of with the AZTEC system was the inability to find out how much space was remaining on my disks. I was constantly running out of space when trying to do compiles. I also missed the sorted directory lists produced by the UNIX ls command. Since it is not *easily* possible to replace the builtin AZTEC 'ls' comman, I wrote a new one: 'dir' that allows wild cards '?', '*' and character classes as in '[...]'. It produces a sorted list in either 1 column or 2 column mode. Control characters imbedded in file names are expanded to '^x' and the optional '-l' option shows lock status and file type as well as file size (in characters). The program automatically pauses at the end of each screen unless the -p option is used.

I can't believe that I'm the only one out here writing stuff for the APPLE AZTEC system. If anybody else has programs of a general nature that run on it, please post them or send me mail if you're just interested in a second opinion. C'mon, this system is *GREAT*... now if it only had a decent shell, and a better editor....

I am posting a listing of my 'dir.c' program to net.sources. Please feel free to add it to your APPLE software tools library.

John Duncan (mb2c!jed) Michigan Bell (313) 424-0178

From 3821614314790894678
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2ce3061021af619,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-07 18:57:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!umcp-cs!feldman
From: feldman@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Apple Pascal: What I think
Message-ID: <3656@umcp-cs.UUCP>
Date: Mon, 7-Nov-83 21:57:50 EST
Article-I.D.: umcp-cs.3656
Posted: Mon Nov 7 21:57:50 1983
Date-Received: Wed, 9-Nov-83 01:10:14 EST
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 99

I have had my Apple][+ for about four years, and for the last three I have used Apple Pascal (AP). AP is by far the nicest OS available on the Apple, however that is not to say that it doesn't have its problems. AP is Apple's version of the UCSD p-machine, A software simulated computer that runs p-code. Supplied with AP is the Pascal language and a development environment which includes a screen editor, a file handler, an assembler (6502 for the Apple), a linker, and a variety of library routines and utility programs. Considering that the only alternative until recently to AP was Apple's DOS 3.3 (DOS), a pitiful excuse for anything (let alone an OS), AP was by far the choice for software development. Here are the pros and cons of AP as I see them.

The Pascal language (compiler) as supplied with AP is very powerful. Except for the lack of a dispose function, the Pascal has all of the features found on mainframe implementations. I have on occasion written programs in AP and phoned them in to Maryland's Univac 1100/80 (dinosaur) having them run with little or no changes. AP has real file handling as opposed to DOS's ctrl-D garbage. Units, which are very much like Ada packages, are supported. Linking of externally compiled/assembled routines is supported. What else could you want in a language ?-). The problems voiced in the net about compiler error #253 (Procedure too long) is overstated. If a procedure is generating more than 600 words of code, it should be more than one procedure. AP is not the only Pascal that gives a procedure too long error. Pascal/VS running on Maryland's IBM 4341's also does this (not at 600 words though). Many students taking introductory computer courses here have run into this error when they tryed to place all of there code (about 50 writelns) into the main program.

The editor supplied with AP is a full screen editor. While it doesn't have a lot of the nice features found in other editors, such as macros and programmable tabs, it sure beats Applesoft's

esc-sequences. The only other problem I have with the editor is its size limitation. The maximum amount of text it can edit is about 20k. The editor and the compiler work nicely together. If the compiler catches an error in your program you can have it put you in the editor write where it caught the mistake. This works most of the time, except when you start using a lot of include files.

The file handler is called the filer. It is used for copying, deleting, and renaming files as well as setting the date, setting default volume names, etc., and it has wild cards. The file structure used in AP uses contiguous blocks on the diskette. This means that the disk must be K(runched whenever free space is in lots o' little patches. People have complained about this. They have asked why must AP do this when DOS doesn't. The answer is speed. Haven't you ever wondered why AP I/O is Soooo much faster than DOS I/O? The "BASICS" disk provided with DOS and AP for loading the language card with the basic not in ROM uses AP format. That's why it can load the language card so quickly.

The assembler provided with AP is very nice. It supports macros and everything (golly gee). My only problem with it is that it assembles 6502 code. More on this later.

For the $295 it costs (I believe that's the cost for just the software), it ain't bad. It does require 64k of RAM, and if you don't want to go crazy, you should have two disk drives. My problems with the system follow. It's slow. Slooooooooow. 6502 (8 bit brain damaged micro processor) running at a measley 1Mhertz + a software simulated machine on it = slooooooooooooooow. The other big problem I always run into is EXEC ERROR #4 (stack overflow). The only answer to this is to segment and swap procedures. This leads to (you're not going to believe this) slower execution time. I really hate waiting 20 minutes to get a stack overflow right before getting the output. These problems really aren't with AP. They're with the semi-evolved brain damaged device we jokingly call a computer: The Apple][:-(.

Other things which bother people in AP include its menu driven "shell", its lack of I/O redirection, and the Apple's lack of interrupts. Part of AP's slowness comes from its type ahead buffer. Since the Apple's keyboard is not interrupt driven, AP must poll the keyboard between executing p-code instructions. This lack of keyboard interrupt also means that the soft break (default ctrl-@) won't alway's stop a program. There are many other little annoyances, such as the fact that swapon; in chainstuff doesn't work until another program is chained to, but they are too numerous and technical to write a general article on.

As far as micros go, I'd like to have a computer with a 68000,

a meg or so of memory, a few megs of disk space, and a
Un*x/Un*x like OS. But until then I'll keep my brain damaged
Apple, and keep running Apple Pascal :-).

-- mark feldman

UUCP : {seismo,allegra,brl-bmd}!umcp-cs!feldman
CSNet: feldman@umcp-cs
Arpa : feldman.umcp-cs@CSNet-relay

From 123524382203161264
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,eb460ab0b3e39938
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,eb460ab0b3e39938
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-07 19:38:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cbosgd.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!ariel!hou5f!hou5g!hou5h!eagle!mhuxl!
houxm!ihnp4!cbosgd!mark
From: mark@cbosgd.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: Followup to 'In Defense of Apple Pascal'
Message-ID: <557@cbosgd.UUCP>
Date: Mon, 7-Nov-83 22:38:19 EST
Article-I.D.: cbosgd.557
Posted: Mon Nov 7 22:38:19 1983
Date-Received: Wed, 9-Nov-83 05:21:40 EST
References: <709@ihuxl.UUCP>
Organization: AT&T Bell Laboratories, Columbus
Lines: 13

The mark and release functions of Apple Pascal are straight out of
UCSD Pascal, which in turn our straight out of the P2 compiler.
They are no substitute for dispose, but are sufficient
to implement the compiler (and, indeed, are more convenient for
it than dispose). Basically, the heap is treated as a
stack (allocated from the other end of memory). A pointer is
kept to the top of the stack (e.g. next available place to allocate).
new grabs a hunk from the stack and increments the pointer. Period.
No hunting from a free block. mark saves the pointer. release
restores the pointer from the saved value. In effect, release frees
all memory allocated since the last mark. This is convenient for
freeing the symbol table in a block structured language. (I can't
remember, but I suppose the marks must stack.)

From -9087474159794661689
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,4abf30a603a3f93d,start
X-Google-Attributes: gid129c11,public

X-Google-Thread: 1622d3,4abf30a603a3f93d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-08 11:31:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site burl.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!burl!scc
From: scc@burl.UUCP (SALLY CATENA)
Newsgroups: net.micro,net.micro.apple
Subject: printer sharing (TI 99/4 & APPLE)
Message-ID: <376@burl.UUCP>
Date: Tue, 8-Nov-83 14:31:00 EST
Article-I.D.: burl.376
Posted: Tue Nov 8 14:31:00 1983
Date-Received: Wed, 9-Nov-83 02:07:59 EST
Organization: Western Electric, Burlington, NC
Lines: 8

I recently bought an apple thermal printer with interface from
a friend of mine to use with my II+. I am wondering if there is a
way that I could also hook it up to my 99/4a which is mostly lying
around gathering dust at the momment. Any information would be
appreciated.

                            Sally Catena
                            burl!scc
                            __GoOgLE_
X-Google-ArrivalTime: 1983-11-08 11:36:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cbosgd.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!ihnp4!cbosgd!djb
From: djb@cbosgd.UUCP (David J. Bryant)
Newsgroups: net.sport,net.sport.football
Subject: Re: Injured Oklahoma player
Message-ID: <562@cbosgd.UUCP>
Date: Tue, 8-Nov-83 14:36:05 EST
Article-I.D.: cbosgd.562
Posted: Tue Nov 8 14:36:05 1983
Date-Received: Thu, 10-Nov-83 01:17:49 EST
References: <420@ihuxb.UUCP>
Organization: AT&T Bell Laboratories, Columbus
Lines: 9

As I recall, the injured Sooner was running back named Spencer Tillman
He was injured on a third-and-short situation late in the fourth quarter
and was taken off the field in an ambulance. I never heard any further
report about his condition (but then the ABC sportscasters were too
busy trying to get me to stay tuned for the USA vs. the Irish in amateur
boxing). I hope he's O.K.

     David Bryant   Bell Labs   Columbus, OH   (614) 860-4516
     (cbosg!djb)

From -4854228924453197921
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b6ee3f5dd6719d56,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-09 12:17:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: Help with CLOCK drivers for AZTEC
Message-ID: <188@mb2c.UUCP>
Date: Wed, 9-Nov-83 15:17:01 EST
Article-I.D.: mb2c.188
Posted: Wed Nov 9 15:17:01 1983
Date-Received: Fri, 11-Nov-83 02:53:29 EST
Lines: 7

Has anyone out there implemented a clock driver (or a program that
reads a clock). I have the Mountain Computer CPS card, but I would
be interested in any code that anyone has written to drive any clock
as a starting point. Thanks.

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -8772047881899474153
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9abd40a05c15bb32,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-10 07:11:33 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1exp 11/4/83; site ihuxl.UUCP
Path: utzoo!linus!decvax!harpo!floyd!clyde!ihnp4!ihuxl!dcn
From: dcn@ihuxl.UUCP (Dave Newkirk)
Newsgroups: net.micro.apple
Subject: Tools for Aztec C
Message-ID: <719@ihuxl.UUCP>
Date: Thu, 10-Nov-83 10:11:33 EST
Article-I.D.: ihuxl.719
Posted: Thu Nov 10 10:11:33 1983
Date-Received: Sat, 12-Nov-83 01:07:44 EST
Organization: AT&T Bell Labs, Naperville, Il
Lines: 25

    I have written several software tools for the Apple Aztec C System,
    and in response to the recent request, I will list them. Since I
    don't have a modem, I can't easily post the sources, but I will
    type them in if you request particular ones.

        wc   (lines,words,chars)
        detab/entab   (from problems in C ref. manual)

```
more      (paging lister)
show      (make unprintable characters printable)
tail      (list first/last N lines/chars of file)
fgrep          (simple version with -nx options)
sort      (quicksort with only -r option)
dc        (in C ref manual)
fgets, stoi   (new/fixed library functions)
```

I haven't started any large projects yet, but I hope to improve the editor since the source was included in the last release. I am disappointed that things aren't packaged the same way; it took me 45 minutes to get the linker and the standard library onto the same disk as the compiler/interpreter. I don't think native compiler will fit on a single disk, but that's not a big handicap since development will normally use the interpreter.

Dave Newkirk, ihnp4!ihuxl!dcn

```
From -4271366898905970465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2ce3061021af619
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-11 09:37:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site rabbit.UUCP
Path: utzoo!linus!decvax!harpo!eagle!allegra!alice!rabbit!sdh
From: sdh@rabbit.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal: What I think
Message-ID: <2194@rabbit.UUCP>
Date: Fri, 11-Nov-83 12:37:05 EST
Article-I.D.: rabbit.2194
Posted: Fri Nov 11 12:37:05 1983
Date-Received: Sun, 13-Nov-83 05:24:41 EST
References: <3656@umcp-cs.UUCP>
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 46

In response to Mr. Feldman's article, I have the following remarks:

DOS is not supposed to be a screen oriented editing system. Take a good
look at the meaning of the acronym: Disk Operating System.

The reason it is slow, is a problem with timing in the loop that loads files.
Since files can be spread out all over a disk instead of in predefined blocks,
The disk is much more space efficient.
Using the RWTS subroutine, a VERY simple assembly language proigram can be
written to load files in a time that makes most people cringe. I still don't
know why thos pholks at Apple never bothered with shaving off the cycles in
their loaders, because a few cycles can make a world of difference in access
time.
```

I think the AP assembler is a dinosaur. And that's being kind. Anyone who
has used the SC 4.0 assembler or the SC macro assembler will understand why.
Speed: The SC can assemble very large programs while printing out the
listing, in a fraction of the time the AP assembler with no screen output.
Convenience:The SC has some very nice built in features including, a good
line editor, assembly to either disk or memory. target address functions,
and an include file feature just to name a few.
As a bonus, the macro assembler can exist either as a program in RAM or as
a language if a language card is available.

I'm biased. I know it. Once I entered the realms ofassembly language,
I decided that all other languages were for nerds.
and for those of you who enjoy noise, I leave you with the following program:

```
300: DEC $00
302: BNE $309
304: BIT $C030
307: DEC $00
309: DEC $01
30B: BNE $314
30D: BIT $C030
310: LDA #$FE
312: STA $01
314: LDA #$02
316: JSR $FCA8
319: JMP $300
```

P.S. don't try this from PASCAL since you will not have access to the wonderfull
subroutines that already exist in ROM.
It only a program stuck way up in RAM to move the disk head around, load, save,

From 2581495657438857461
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e2ce3061021af619
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-13 13:38:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!feldman
From: feldman@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Pascal: What I think
Message-ID: <3768@umcp-cs.UUCP>
Date: Sun, 13-Nov-83 16:38:50 EST
Article-I.D.: umcp-cs.3768
Posted: Sun Nov 13 16:38:50 1983
Date-Received: Tue, 15-Nov-83 00:08:41 EST
References: <3656@umcp-cs.UUCP>, <2194@rabbit.UUCP>
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 72

[these are non blank characters]

In response to rabbit!sdh's (What is his name?) response to my article on Apple Pascal, I have the following to say:

My main use for a micro right now is developing software which is portable. I have written business software (yuk) to deal with very large files on a hard disk in AP. For DOS to come anywhere close to AP's speed in random file access I would have to of hacked DOS up quite a bit. Maintaining the program would be lot's o' fun. AP walks the line between speed and porability. I agree that assembly running under turbo-charged DOS is faster than AP, but it really isn't very portable. I also believe that there are other OSs that are more portable than AP such as UCSD Pascal IV.1. Unfortunately IV.1 (or IV.anything for that matter) currently runs much slower than AP. As I stated in my original article, I would much rather have a 16 bit or 32 bit micro capable of running one of the larger OSs such as Un*x.

The reason that the AP assembler runs so slowly is that it was not written specially for the apple, or the 6502 for that matter. Both AP and DOS should be getting faster/better in the future as I heard/read that Apple was coming out with new versions of both. The new DOS has a new name, but it escapes me at the moment. If you look at the new DOS 3.3 Master that comes with the Apple][/e, you will see that they now have a routine that does load the language card quickly (in about 1/4 the normal DOS time).

Hacking is what makes the Apple running under DOS so much fun. I liked your little assembly routine

```
  300: DEC $00
  302: BNE $309
  304: BIT $C030
  307: DEC $00
  309: DEC $01
  30B: BNE $314
  30D: BIT $C030
  310: LDA #$FE
  312: STA $01
  314: LDA #$02
  316: JSR $FCA8
  319: JMP $300
```

though I prefer

```
  314:  LDA #$01
```

- a matter of taste. As for assembly language being the only language (that isn't for nerds), I do hope you weren't just talking about 6502 assembly. It is, after all, just barely passable as a computer's cpu :-). The only routine that you are using from ROM is the wait routine ($FCA8) which can be easily

written. For most applications, the NOTE routine supplied by AP is good enough for making sounds on the Apple's speaker.
AP can also be hacked up a bit. SYSTEM.APPLE (the p-code interpreter) just sits there, waiting to be patched.

You see, I'm not saying DOS is bad or AP is great. I am just justifying AP's existence. There are some things it does well, some things it doesn't. Using it or not depends on your application. Unfortunately I don't see an operating system that runs on the Apple that does everything well, so the choice must be made: DOS, AP, other, a combination. Arguing over which OS is better is ridiculous. You gotta list the pros, list the cons, and make your decision.

-- mark feldman -- UUCP : {seismo,allegra,brl-bmd}!umcp-cs!feldman
                    CSNet : feldman@umcp-cs
                    Arpa : feldman.umcp-cs@CSNet-relay

From -4550463565603331076
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eca79b3c9ddb94a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-14 09:00:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site zeppo.UUCP
Path: utzoo!linus!decvax!harpo!zeppo!chl
From: chl@zeppo.UUCP
Newsgroups: net.micro.apple
Subject: Apple and smart terminal - (nf)
Message-ID: <1022@zeppo.UUCP>
Date: Mon, 14-Nov-83 12:00:27 EST
Article-I.D.: zeppo.1022
Posted: Mon Nov 14 12:00:27 1983
Date-Received: Tue, 15-Nov-83 07:12:51 EST
Sender: chl@zeppo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 27

#N:zeppo:23600001:000:674
zeppo!chl   Nov 14 12:00:00 1983

Does anyone out there have any experience using ASCII Express to make your Apple talk with the UNIX system. I seem to be having difficulties in getting the terminal emulation feature working to my liking. I'm able to emulate an ADM3A; however, that is a pretty dumb terminal(works terrible in 'vi').

Maybe someone knows how to set the parameters in ASCII Express better or maybe there is a better termcap to use to make things work properly.

My whole system is as follows:

Apple II + with:
CCS 7710 serial card
Bell 212A modem
Videx 80 column card
Grappler printer card
16K memory expansion card.

Thanx,
Charlie Lang
zeppo!chl

From -1564135115794832448
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3eca79b3c9ddb94a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-14 10:07:18 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site zeppo.UUCP
Path: utzoo!linus!decvax!harpo!zeppo!notes
From: notes@zeppo.UUCP
Newsgroups: net.micro.apple
Subject: Apple and smart terminal - (nf)
Message-ID: <1023@zeppo.UUCP>
Date: Mon, 14-Nov-83 13:07:18 EST
Article-I.D.: zeppo.1023
Posted: Mon Nov 14 13:07:18 1983
Date-Received: Tue, 15-Nov-83 07:14:50 EST
Sender: notes@zeppo.UUCP
Organization: AT&T Bell Laboratories, Whippany
Lines: 27

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zeppo!chl Nov 14 12:00:00 1983

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16K memory expansion card.

Thanx,
Charlie Lang
zeppo!chl

From 1376224248281258407
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 12da6b,9ec4498a532aad15,start
X-Google-Attributes: gid12da6b,public
X-Google-Thread: 1622d3,9ec4498a532aad15,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-14 11:01:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 Apollo; site apollo.UUCP
Path: utzoo!linus!vaxine!wjh12!genrad!decvax!wivax!apollo!nazgul
From: nazgul@apollo.UUCP (Kee Hinckley)
Newsgroups: net.micro.apple,net.lang.c
Subject: AZTEC C --- bug report and a query
Message-ID: <182@apollo.UUCP>
Date: Mon, 14-Nov-83 14:01:46 EST
Article-I.D.: apollo.182
Posted: Mon Nov 14 14:01:46 1983
Date-Received: Tue, 15-Nov-83 21:10:59 EST
Organization: Apollo Computer, Chelmsford, Mass.
Lines: 46

***
*
*
I found the following bugs in AZTEC C on the Apple, but at least one of them
is probably generic.

1) printf does not support the "g" option for floating point numbers.
   It turns out that the support should be in the "format.c" file, which
   is called by printf, scanf, etc.. I checked and found that it was
   half implemented, as though someone forgot to finish it. Further
   checking showed that the reason they never finished was that the
   floating-to-ascii routine (in 6502 assembler) only takes the "f" and
   "e" formats. In any case, it is fairly simple to add "g" to "format.c"
   so that it will at least *print* the number, even if it isn't optimized.

2) ".0f" prints the decimal point, after the number. Technically I suppose
   this isn't a bug, but it is annoying.

3) WARNING! If the floating point number you are trying to print out is
   a power of ten less than the precision allows, the float-to-ascii
   routine will hang! (If you don't follow that (and I'm not sure I
   stated it accurately anyway) take the following examples:
        ".0f", .01   --> bombs
        ".1f", .001   --> bombs
        ".2f", .0001   --> bombs

...)
I couldn't follow the assembler code enough to figure out what was happening.

If anyone has any fixes to any of the above (other than kludging the "format.c" functions) I would appreciate them. I've reported the bugs to MANX, but I don't know when they will come out with a fix. Incidentally, one of my disks ceased operating suddenly (both copy and master) so I had them send me another. They had a newer version of VED on it... but it doesn't work on the][e! For some reason it takes carriage return as an illegal character! The object code is also 2 records smaller, for what thats worth. I don't know if the problem was][e specific or not.

Query: A device driver for the][e 80-column card? Someone?

-kee
...decvax!wivax!apollo!nazgul

From -1554981515953964299
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e4b26778147e1f3f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-15 09:41:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site rochester.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!floyd!harpo!seismo!
rochester!ciaraldi
From: ciaraldi@rochester.UUCP (Mike Ciaraldi)
Newsgroups: net.micro.apple
Subject: Apple Pascal--Unix file transfer
Message-ID: <3841@rochester.UUCP>
Date: Tue, 15-Nov-83 12:41:26 EST
Article-I.D.: rocheste.3841
Posted: Tue Nov 15 12:41:26 1983
Date-Received: Thu, 17-Nov-83 01:11:48 EST
Sender: ciaraldi@rocheste.UUCP
Organization: U. of Rochester, CS Dept.
Lines: 10

From: Mike Ciaraldi <ciaraldi>
Does anyone know of programs that will do file transfer
by phone or direct line between Apple II running Pascal
and a VAX/Unix system?

We already have umodem running (XMODEM for the VAX/Unix).
Please respond directly to me.

Mike Ciaraldi
ciaraldi@rochester

From 8516376816052331756
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,56323127826d03c3,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,56323127826d03c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-15 12:35:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site allegra.UUCP
Path: utzoo!linus!philabs!seismo!harpo!eagle!allegra!mac
From: mac@allegra.UUCP
Newsgroups: net.games,net.micro.apple
Subject: WIZARDRY II - Knight of Diamonds - hint wanted
Message-ID: <2012@allegra.UUCP>
Date: Tue, 15-Nov-83 15:35:20 EST
Article-I.D.: allegra.2012
Posted: Tue Nov 15 15:35:20 1983
Date-Received: Wed, 16-Nov-83 06:46:15 EST
Organization: AT&T Bell Laboratories, Murray Hill
Lines: 31

I'm almost finished with WIZ II. I'm looking for a SMALL hint from someone who has played through the entire scenario...

On the first floor, you are told by Gnilda to retreive the armor of the Knight of Diamonds and bring it to her and she will give you the staff of Lyllgamin. We have collected the KOD's helmet, armor, gauntlets, shield, and a sword named Hrathnir. Yet when we went back to level one, we were not given the staff.

MY QUESTION IS: do we have to solve the Sphinx's riddle on level 6 before we get the staff?

PLEASE DON"T TELL ME THE ANSWER TO THE RIDDLE... we want to work on that ourselves.

Also, if you've read this far, you may be interested in knowing that the WIZPLUS program that's now available can be a real character-saver! We hadn't played in about 6 mos. and our mapmaker (me) misread a map and teleported the entire crew into solid rock on the first move! WIZPLUS lets you recover from that.

Any other WIZARDRY freaks out there? Any truth to the rumor that WIZ III will be out soon?

Jim McParland
AT&T Bell Laboratories, Murray Hill, NJ
allegra!mac

From -3423559304899550930
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,45dc1116dd3800bd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-15 18:03:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!akgua!sb1!mb2c!jed
From: jed@mb2c.UUCP (John E. Duncan III)
Newsgroups: net.micro.apple
Subject: echo.c for APPLE AZTEC, new & improved
Message-ID: <193@mb2c.UUCP>
Date: Tue, 15-Nov-83 21:03:02 EST
Article-I.D.: mb2c.193
Posted: Tue Nov 15 21:03:02 1983
Date-Received: Thu, 17-Nov-83 01:24:44 EST
Lines: 7

I have posted the version of "echo.c" which I wrote for the Apple AZTEC
system to net.sources. This one does everything that System V does, adds
hex conversion, and avoids STDIO making it reusable with the 'run' command
and also much much smaller. Keep those cards and letters coming...

John Duncan (mb2c!jed)   Michigan Bell   (313) 424-0178

From -1950676961915181040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c53b3a541fd63882,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-15 19:36:27 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site aluxe.UUCP
Path: utzoo!linus!security!genrad!grkermit!masscomp!clyde!ihnp4!houxm!mhuxl!aluxe!
lra
From: lra@aluxe.UUCP (Lonnie R. Abelbeck, AT&T Bell Labs)
Newsgroups: net.micro.apple
Subject: more.c AZTEC C (fast version)
Message-ID: <1197@aluxe.UUCP>
Date: Tue, 15-Nov-83 22:36:27 EST
Article-I.D.: aluxe.1197
Posted: Tue Nov 15 22:36:27 1983
Date-Received: Thu, 17-Nov-83 01:21:26 EST
Organization: AT&T Bell Laboratories, Allentown, PA
Lines: 11

Posted in net.sources is an AZTEC C developed version of more.c.
The output is done with "write" instead of "putc" resulting in
output almost as fast as "cat" in the SHELL. enjoy.

Lonnie R. Abelbeck
AT&T Bell Laboratories
..!aluxz!aluxe!lra

From -7041057136853035958
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,56323127826d03c3
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,56323127826d03c3
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-11-16 22:23:23 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cbscc.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!clyde!ihnp4!cbosgd!cbscc!fran
From: fran@cbscc.UUCP (Frank Webb)
Newsgroups: net.games,net.micro.apple
Subject: Re: WIZARDRY II - Knight of Diamonds - hint wanted
Message-ID: <397@cbscc.UUCP>
Date: Thu, 17-Nov-83 01:23:23 EST
Article-I.D.: cbscc.397
Posted: Thu Nov 17 01:23:23 1983
Date-Received: Sat, 19-Nov-83 00:46:26 EST
References: <2012@allegra.UUCP>
Organization: AT&T Bell Laboratories <SCCS>, Columbus
Lines: 15

Heck, I haven't even gotten the sword! And I couldnt help you
with the riddle either. I could use a hint-- where was the
sword. I have the rest of the goodies.

I too have lost characters, but simply make a backup before
I start an evening run. If I get back to the tavern, I drop
out of the game, and make another backup. If I lose the party,
simply copy the backup to the scenario. Work, but worth it. If
I had WIZPLUS, I would be too tempted to cheat in more serious ways.

I would like to hear more from others, too.

                        Frank Webb
                        <cbosg!fran>
                        The Unruffled Sage

From 5204961756769423546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c3ad0e5fb6924d7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-11 00:26:57 PST
Message-ID: <bnews.vaxwalle.113>
Newsgroups: net.micro.apple
Path: utzoo!decvax!ucbvax!CAD:tektronix!zehntel!varian!vaxwalle!bob

X-Path: utzoo!decvax!ucbvax!CAD:tektronix!zehntel!varian!vaxwalle!bob
From: vaxwalle!bob
Date: Fri Feb 11 03:26:56 1983
Subject: net.micro.apple has arrived
X-Google-Info: Converted from the original B-News header
Posted: Mon Feb 7 15:27:53 1983
Received: Fri Feb 11 03:26:56 1983

This group is now opened for discussion !

To start us off how about -

     Shall we encourage Apple-specific advertising in this group ?

     Does anybody have the extended 80 col. card in a 2e ?
          How much did it cost ?
          What can you do with it ?
          Can you use it from Applesoft basic ?

     Is there anyone from Apple out there ? (or ex-apple perhaps)

     Anyone got a version of a vi-like editor for the][family ?

     Are you using your apple as a terminal to unix ?
          With a modem ? Which one - what does it offer ?

     Shall we have a survey of the group's readers to find out
          the range of equipment and interests ?

Let's get this group off the ground !!

Bob Palin   {ucbvax,decvax}!teklabs!zehntel!varian!bob

From -1552085803810465012
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,adf82be0ab43ace7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-11 17:17:49 PST
Message-ID: <bnews.tekid.824>
Newsgroups: net.micro.apple
Path: utzoo!decvax!ucbvax!CAD:tektronix!tekid!dennisw
X-Path: utzoo!decvax!ucbvax!CAD:tektronix!tekid!dennisw
From: tekid!dennisw
Date: Fri Feb 11 20:17:38 1983
Subject: HURRAH!
X-Google-Info: Converted from the original B-News header
Posted: Tue Feb 8 08:25:32 1983
Received: Fri Feb 11 20:17:38 1983

     Thank you for creation of this newsgroup. I for one, have
owned an Apple II Standard for about 4 years, and have a system
comprised of 64K RAM, 2 drives, UCSD Pascal, Paper Tiger printer, and

use TVs as monitors.
     I have had software published in three different magazines (remember INTERNA-MAZE?).
     I have also written software on contract, and am now working on a 3D graphics package in Pascal to display different cuts for gemstones.

WHAT ARE YOU UP TO?   HAVE QUESTIONS?   ANSWERS?

Let's get this show on the road!

QUESTION - Is IIe much/any better than II with appropriate extensions?

-Dennis Ward ..tektronix!tekid!dennisw

From 2890851926031260445
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c3ad0e5fb6924d7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-11 17:20:44 PST
Message-ID: <bnews.sun.199>
Newsgroups: net.micro.apple
Path: utzoo!decvax!decwrl!sun!gnu
X-Path: utzoo!decvax!decwrl!sun!gnu
From: sun!gnu
Date: Fri Feb 11 20:20:36 1983
Subject: "vi-like editor": Apple Pie
References: <bnews.vaxwalle.113>
X-Google-Info: Converted from the original B-News header
Posted: Wed Feb 9 02:17:43 1983
Received: Fri Feb 11 20:20:36 1983

When I had the use of an Apple last year I used Apple Pie from Programma International extensively. It was not a bad editor considering the limitations of its I/O (lousy keyboard and 40x20 screen).

It's a screen editor. You can edit files up to about 70 chars wide and it will switch the screen for you between left and right halves. It can also support various 80-col cards. I believe it wins over vi in one important issue: when you type printing characters, it puts them in your file.

I used it for extensive assembler language editing as well as invoices and random documents -- it did well on all.

It has a lot of options on how the text gets in and out of the editor -- normal appledos text files, special fast-load format files, from a chunk of memory, to/from I/O slots, etc. It's also claimed to interface well to their text formatter, but I never needed it. I often moved text in and out of the Apple by dialing the modem and getting online, running Pie, and using the "output to slot 2" or "input from slot 2 500 lines or until you see 'foo'" features. Almost like C pipes, except you need one machine per process...

I think Programma is in the L.A. area but no longer have an easy way to find their address.

John Gilmore, Sun Microsystems

From -7914155601994352896
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,52ad4d087d8c441d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-13 03:10:31 PST
Message-ID: <bnews.whuxlb.999>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!npoiv!eisx!whuxlb!drd
X-Path: utzoo!decvax!harpo!npoiv!eisx!whuxlb!drd
From: whuxlb!drd
Date: Sun Feb 13 06:10:30 1983
Subject: Apple Hi-res
X-Google-Info: Converted from the original B-News header
Posted: Sat Feb 12 14:46:33 1983
Received: Sun Feb 13 06:10:30 1983

I know how to write hi-res games for the Apple. I have been playing around with the 6502 for a few years now. I am looking for a few original ideas for games. That would lend themselves to the Apples graphics and control capabilities. If anyone can think of any send them to me please!!! If it turns out that it makes money I will give you part of the royalies.

Any one who want to know how to control the Apples hi-res screen via the 6502 should send me mail with a specific question and I will do my best to answer it.

Gregg Stefancik
Morris Plains, NJ
whuxle!drd

From -3782818983422188690
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,28b642dc2b1c6898,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,28b642dc2b1c6898,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-02-18 04:26:56 PST
Message-ID: <bnews.cornell.3991>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!harpo!floyd!vax135!cornell!andy
X-Path: utzoo!decvax!harpo!floyd!vax135!cornell!andy
From: cornell!andy
Date: Fri Feb 18 07:26:52 1983
Subject: Selling Software

X-Google-Info: Converted from the original B-News header
Posted: Mon Feb 14 13:41:18 1983
Received: Fri Feb 18 07:26:52 1983

I am writing in response to a note requesting information about selling independently developed software in the current personal computer marketplace. Having developed and sold two products ("Wizardry" and "Knight of Diamonds"), I have the following suggestions to individuals wishing to market software.

Today's recreational software for the Apple, Atari, and IBM PC computers is a two-tiered market. Most authors usually license a software "manufacturer" exclusive distribution rights for a particular program, computer, and medium. The manufacturer duplicates, packages, and advertises the product, paying the author a royalty (usually between 10-25% of manufacturer's gross). The manufacturer sells most software to the large distributors (such as SOFTSEL, Micro D, Eastern, and the like) who sell to the software dealers.

Although some authors, such as (Raster Blaster) Bill Budge have been successful in manufacturing their own software, it is a full-time occupation and not a pleasant one for potential authors. (whose time is better spent coding than copying disks) Furthermore, even big names like (Snack Attack) Dan Illowski and (Ultima II) Richard Garriot are finding it hard to break in at this late date. Distributors are particularly hard on these new companies, having obtained a stranglehold on the distribution networks. (SOFTSEL being the most effective at this)

Thus, I would recommend that new authors look to the larger, already established companies to manufacture their software. Companies such as Sir-Tech, Sierra On-Line, and Sirius Software have earned good reputations in the industry for being reliable and prompt with royalty payments. They are also far better equipped in getting products on the market quickly than individuals.

I would recommend that the prospective author write each of these companies and others (see the advertiser's index in Softalk, Softline, Byte, Creative Computing, etc for names and addresses) and ask for a non-disclosure agreement and standard contract. Compare these and don't be afraid to try to negotiate better terms. Be sure to retain residual rights for things such as translations to new machines, cable distribution, new media, and so forth. Make certain the royalty is not based on "profit", "net income", or the like. Don't be afraid to shop around, it will substantially improve the royalty offered. If a company wants your software in this competitive market (and its getting VERY competitive) they will usually be flexible for a few points of royalties. There most certainly is no standard rates yet in this young market.

But be CERTAIN to obtain that non-disclosure before sending a disk! There has already been some litigation in this industry for companies offing with evaluation products....

Good Luck,
Andrew Greenberg

Dept. Computer Science
Cornell University
Ithaca, New York 14850

andy@cornell -or- cornell!andy

From -2288998841556821009
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,5a1f77676a513be0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-19 22:53:21 PST
Message-ID: <bnews.purdue.501>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ixn5c!inuxc!
pur-ee!CSvax:tdb
X-Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ixn5c!inuxc!
pur-ee!CSvax:tdb
From: CSvax:tdb
Date: Sun Feb 20 01:53:20 1983
Subject: Generic disk drives and 80 column boards
X-Google-Info: Converted from the original B-News header
Posted: Fri Feb 18 10:06:13 1983
Received: Sun Feb 20 01:53:20 1983
Expires: Fri Feb 25 00:00:00 1983

I, for one, am really glad the Apple finally has it's own news group.

I would like to solicit comments from Apple users about the "generic"
brand disk drives that are currently being advertised. The ad usually
reads "totally Apple compatible", and the price is outrageously low,
but no brand is ever seen in the ad. Has anyone taken the gamble?
We would like to hear from you...

The second area of solicitation is 80-column boards. The BYTE review
of last year seems out of date already. Which board has 80 column, upper/
lower case, and works with Apple software (in particular, Pascal), and
is a reasonably good buy? On the flip side of that, which boards turned
out to be lemons. That might provoke a few responses...

From 5000140021702435810
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8a1efc9efbacb6a1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-20 02:25:11 PST
Message-ID: <bnews.n44a.128>
Newsgroups: net.micro.apple
Path: utzoo!decvax!cca!ima!n44a!dave
X-Path: utzoo!decvax!cca!ima!n44a!dave
From: n44a!dave

Date: Sun Feb 20 05:25:07 1983
Subject: Apple Assemblers?
X-Google-Info: Converted from the original B-News header
Posted: Fri Feb 18 07:37:46 1983
Received: Sun Feb 20 05:25:07 1983

What experience have people had with the editor/assemblers available?
I have been using the DOS Toolkit assembler which is small and neat
but slow and limited. At 1000 lines of source, te editor requires
50 seconds to load or save, and 3.5 minutes to assemble. FID loads
the same file in 4 seconds. There must be something better.

Thanks,
Dave Freeman
..decvax!cca!ima!n44a!dave

:wq

From 7758714910003127101
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,a920ea885e7b8589,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,a920ea885e7b8589,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-22 03:49:42 PST
Message-ID: <bnews.houxa.157>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!harpo!ihnp4!houxz!houxi!houxa!9212mhm
X-Path: utzoo!decvax!harpo!ihnp4!houxz!houxi!houxa!9212mhm
From: houxa!9212mhm
Date: Tue Feb 22 06:49:40 1983
Subject: tax preparation packages
X-Google-Info: Converted from the original B-News header
Posted: Thu Feb 17 13:11:20 1983
Received: Tue Feb 22 06:49:40 1983

I am looking for comments anyone has on various tax preparation packages
for the Apple. I have an Apple //e with an 80 column screen and am about
to buy a printer (probably Epson MX80 or Okidata Microline 82). I know of
the existence of the following packages. Any comments? Advise?

Tax Preparer Howardsoftft $150
the oldest one I know of, looks OK to me so far

Tax Break Proforma Sortware $130
formerly put out by Datamost under the name "Tax Beater"
Ads seem a bit full of hype to me, but may be good

Tax Templates Omega Microware $90
Visicalc templates for tax preparation
Omega is the company that puts out Locksmith
(no flames from software authors, please)

Tax Advantage Continental Software $60
Continental puts out The Home Accountant, from what
I hear the best inexpensive home accounting system
Price seems pretty low, though, and they say they handle
"most common tax forms." I'm not going to do
anything weirder than income average and also
declare my wife a self employed professional
(musician), but am a bit concerned about
it handling only the *very* common forms.

Any comments would be appreciated. I would like to get *something* within
a week or so, or can the idea and do it by hand (then why did I just buy
that machine???).

Thanks,
Mark H. Mortensen
Bell Labs, Holmdel, NJ
houxb!9212mhm

From 3602107759814846889
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8c3ad0e5fb6924d7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-22 03:58:01 PST
Message-ID: <bnews.avsdT.305>
Newsgroups: net.micro.apple
Path: utzoo!decvax!decwrl!sun!megatest!fortune!dsd!atd!avsdS:avsdT:yawitz
X-Path: utzoo!decvax!decwrl!sun!megatest!fortune!dsd!atd!avsdS:avsdT:yawitz
From: avsdT:yawitz
Date: Tue Feb 22 06:58:00 1983
Subject: Re: "vi-like editor": Apple Pie
References: <bnews.sun.199>
X-Google-Info: Converted from the original B-News header
Posted: Wed Feb 16 09:12:09 1983
Received: Tue Feb 22 06:58:00 1983

Programma closed up shop about a year ago. Apple Pie is now sold
as Pie Writer by Hayden Publishing (for about $150 list).

From -5970563286815910222
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6410342b5653d3a4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-22 23:28:44 PST
Message-ID: <bnews.ixn5h.127>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ixn5h!dcn
X-Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ixn5h!dcn
From: ixn5h!dcn

Date: Wed Feb 23 02:28:43 1983
Subject: Disk drives and 80 Col cards
X-Google-Info: Converted from the original B-News header
Posted: Tue Feb 22 10:50:52 1983
Received: Wed Feb 23 02:28:43 1983
Reply-To: dcn@ixn5h.UUCP (Dave Newkirk)

I bought a Fourth Dimension Apple-compatible drive for $300
a few months ago, and it is very nice. It's quieter and built
as well if not better than the Apple drive. I was also leery
of buying a no-name drive for a few dollars less.

I don't have an 80 column card yet, but I am going to get one
soon. I was going to buy the Vista-vision 80, but I may go
for the Videx instead, because everybody seems to have drivers
for the Videx in their software packages.

Dave Newkirk
ixn5h!dcn

From -502932174459704619
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a29b375012874e09,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-22 23:48:59 PST
Message-ID: <bnews.wivax.8135>
Newsgroups: net.micro.apple
Path: utzoo!decvax!wivax!taylor
X-Path: utzoo!decvax!wivax!taylor
From: wivax!taylor
Date: Wed Feb 23 02:48:56 1983
Subject: emacs on an apple
X-Google-Info: Converted from the original B-News header
Posted: Tue Feb 22 09:22:10 1983
Received: Wed Feb 23 02:48:56 1983

Has anyone put emacs on an apple][?
Anyone thought about it? How would you do it?

mike taylor
decvax!wivax

From 5823797381913559219
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dbef72f8d843cde3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-23 23:31:28 PST
Message-ID: <bnews.tucc.3377>
Newsgroups: net.micro.apple
Path: utzoo!decvax!duke!unc!tucc!mas
X-Path: utzoo!decvax!duke!unc!tucc!mas

From: tucc!mas
Date: Thu Feb 24 02:31:27 1983
Subject: Re: purdue.501: Generic disk drives and 80 column boards
X-Google-Info: Converted from the original B-News header
Posted: Wed Feb 23 18:45:24 1983
Received: Thu Feb 24 02:31:27 1983

i recently bought a disk drive for $225
from star logic inc in california. it is a sugart drave and i have had no major
problems with it, except for possibly a problem with head alignment which may
just be normal wear and tear. several
people in my department have also bought this drive and the only problem i habe
heard is that one person has a copy of
krell logo that will not consistently

boot. this could be a squirely disc or
it might be a function of their fancy
copy protection scheme.

we did have problems with a generic disc controler card which apparently was not
compatible with the

ii +.

mark shifman (mas)
dept of path
duke univ med center

From -551977846395810560
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,64337ed396341ca1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-24 05:38:19 PST
Message-ID: <bnews.ixn5h.128>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!vax135!ariel!orion!lime!we13!otuxa!ll1!ihldt!ihnp4!
ixn5h!dcn
X-Path: utzoo!decvax!harpo!floyd!vax135!ariel!orion!lime!we13!otuxa!ll1!ihldt!
ihnp4!ixn5h!dcn
From: ixn5h!dcn
Date: Thu Feb 24 08:38:17 1983
Subject: Apple Editor Gripes
X-Google-Info: Converted from the original B-News header
Posted: Wed Feb 23 08:31:42 1983
Received: Thu Feb 24 08:38:17 1983
Reply-To: dcn@ixn5h.UUCP (Dave Newkirk)

> I don't like the standard Pascal editor because it is line-
> oriented and has strong modes (either commands or text).
> I disliked it so much that I wrote a subset of the Rand
> Editor in Pascal. This editor is truly screen-oriented, and

can intermix text and commands.

I especially have trouble remembering to end the insertions with ctrl-C because I use vi on a UNIX system at work. As you may know, vi ends insertions with escape - and this has a different effect on the Apple (the text disappears!).

I won't be satisfied until I can use the Rand Editor at work and at home. I am currently evaluating a C compiler for the Apple that will allow a more powerful editor than the one I wrote in Pascal. I also heard that the Apple Pie editor is similar to the Rand Editor. If anyone is using Apple Pie, please contact me.

Happy editing,

Dave Newkirk
ixn5h!dcn

From -5295334172076033433
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b63e2aeb717b8a26,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-25 00:58:13 PST
Message-ID: <bnews.vaxwalle.120>
Newsgroups: net.micro.apple
Path: utzoo!decvax!ucbvax!CAD:tektronix!zehntel!varian!vaxwalle!bob
X-Path: utzoo!decvax!ucbvax!CAD:tektronix!zehntel!varian!vaxwalle!bob
From: vaxwalle!bob
Date: Fri Feb 25 03:58:11 1983
Subject: Apple users survey.
X-Google-Info: Converted from the original B-News header
Posted: Wed Feb 23 17:45:21 1983
Received: Fri Feb 25 03:58:11 1983

THE GREAT APPLE SURVEY

Having formed the Apple net group I now propose a survey of the inhabitants. I have written out a list of questions which should be regarded as a guideline, don't just answer yes/no, expand away to your hearts content.

When all the results have been gathered I will form a summary and post it to the group. The intention is to stimulate discussion by introducing us all to each other. I expect most of the answers will refer to the Apple][but others are welcome, I will summarise for other machines if enough replies come in.

Name and address will be kept strictly private unless you actually state that you don't object to it's distribution to other interested survey respondents. If you don't reply to the survey I will not send you a copy of the full replies - so there !!

The closing date for the survey will be April 1st and I will post a list of the names of people whose replies I receive each week until then. If you don't see your name, try again or use the U.S. mail if you really care (and you should !!).

Warning: This questionnaire is pretty extensive (38 questions) - please answer as much as you can find time for, it will hopefully help us avoid fruitless articles like

    Has anyone used the ...

and make it easier to find that information when we want it.
After the survey is over I would be willing to act as a pointer to people with questions like that if anyone is interested.

PERSONAL INFORMATION

Name :
City & state :
USENET address :

Do you object to re-distribution of personal information ?
    (a null answer is taken as yes)

APPLE INFORMATION

These questions are intended to get a feel for the general environment in which the apple is used. If they are not appropriate to your environment please modify the questions or answers to fit you.

What model of apple do you own (use if you don't own it) ?

How long have you owned it ?

What kind of monitor do you have ?
        disc drive(s) ?
        cassette recorder ?
        printer ?

What initial configuration did you buy ?

What other hardware have you bought (80-col, Z-card, modem etc.) ?
                    (make comments if you wish)

What hardware do you intend to buy in the near future ?

What hardware would you like to buy (must be available) ?

What hardware would you like to see made for the Apple ?

Have you made any hardware yourself (if so describe it's function) ?

Have you modified the apple hardware yourself (describe function) ?

What software have you bought (make comments on it if you wish) ?

What software do you intend to buy in the near future ?

What software would you like to buy ?

What software would you like to see written for the Apple ?

Have you used any other software on an Apple (not necessarily your own) ?

Have you ever written a sale-able product (even if not sold) ?

Describe it here if you want to.

How long do you spend using the machine in an average week ?

Do other people use your machine and for how long approx. ?

What percentage of the time you are using it is spent playing games ?

Are the games bought or home written ?

Do you have a pet project ?

Are you a member of a users group or similar ?

Do friends of yours own Apples ?

Why did you choose an Apple ?

Would you buy one again ? (perhaps a different model - specify)

If not, what PC would you buy and why ?

Do you own any other computers - how do they rate ?

What other computers do you use on a regular basis (not just personal) ?

Are you a computer professional - if so, of what kind ?

If not, how do you come to be on the net ?

What are the best features of the Apple ?

What are the bad features of the Apple ?

Have you had any maintenance problems with your equipment (specify) ?

Is there anything else ?

Mmm that looks awfully formal, trouble is I have blue eyes and blond
hair, keep thinking about empire ...

Bob Palin   {ucbvax,decvax}!tektronix!zehntel!varian!bob

U.S. Snail replies accepted at:

Bob Palin
Software Engineering Dept.,
Varian Instruments,
2700 Mitchell Drive,
Walnut Creek,
Ca., 94598

> I have no connection with Apple Inc. or any personal computer
> distributor, supplier or manufacturer. I do not intend to use
> any of this information for profit nor distribute it anywhere
> outside the net. This survey is purely a personal endevour
> and has no connection with Varian ('cept that's where I am !)

From -8366597469102832476
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1517c1,2cd170c28d7b8772,start
X-Google-Attributes: gid1517c1,public
X-Google-Thread: 129c11,2cd170c28d7b8772,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,2cd170c28d7b8772,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-02-27 00:03:56 PST
Message-ID: <bnews.yale-com.980>
Newsgroups: net.micro,net.micro.atari,net.micro.apple
Path: utzoo!decvax!yale-com!cutler
X-Path: utzoo!decvax!yale-com!cutler
From: yale-com!cutler
Date: Sun Feb 27 03:03:55 1983
Subject: Re: No 65000?
X-Google-Info: Converted from the original B-News header
Posted: Sat Feb 26 22:47:16 1983
Received: Sun Feb 27 03:03:55 1983

It isn't immediately clear to me that there "are more Z80 than 6502 systems
out there." But if one extends the bounds a little to include the Atari
2600 and 5200 VCS machines, the Z80 market is a magnitute smaller than the
6502 market! The 5200 might even allow for some programmability in the
future. And as far as authors of game software are concerned, I think the
6502 market is the place to be.

Ben Cutler
decvax!yale-comix!cutler
Yale University

From -5593616509730840307
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a29b375012874e09
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-02 02:05:38 PST
Message-ID: <bnews.mitccc.385>
Newsgroups: net.micro.apple
Path: utzoo!decvax!genradbo!mitccc!jfw
X-Path: utzoo!decvax!genradbo!mitccc!jfw
From: mitccc!jfw
Date: Wed Mar 2 05:05:32 1983
Subject: Re: emacs on an apple
References: <bnews.wivax.8135>
X-Google-Info: Converted from the original B-News header
Posted: Tue Feb 22 21:23:16 1983
Received: Wed Mar 2 05:05:32 1983

Look for MINCE (Mince Is Not Complete Emacs). I don't know if it is
available for the apple, but it exists for some micros.

From -1061826042024463472
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c8f2b94b2c1e30f0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-07 22:04:42 PST
Message-ID: <bnews.wivax.9450>
Newsgroups: net.micro.apple
Path: utzoo!decvax!wivax!taylor
X-Path: utzoo!decvax!wivax!taylor
From: wivax!taylor
Date: Tue Mar 8 01:04:40 1983
Subject: Request for an apple compiler
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 3 17:43:37 1983
Received: Tue Mar 8 01:04:40 1983

Does anyone have or know where an apple II compiler can be obtained,
language is not important, but cost is critical. (very low)
I wish to use it in a compiler course I am taking.

thanks in advance,
mike taylor
decvax!wivax!taylor

From -4485329395209966945
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6fa59342a8f6efa7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-08 01:38:19 PST
Message-ID: <bnews.mhuxh.2>

Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxa!mhuxh!lra
X-Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxa!mhuxh!lra
From: mhuxh!lra
Date: Tue Mar 8 04:38:12 1983
Subject: New CP/M Card for APPLE][
X-Google-Info: Converted from the original B-News header
Posted: Mon Mar 7 22:08:01 1983
Received: Tue Mar 8 04:38:12 1983

A new CP/M card for the APPLE][has been introduced by Advanced Logic Systems (ALS). The card provides an additional 64K bytes of memory along with a 6-MHz Z80B processor. The package includes CP/M 3.0, CBASIC and GSX-80 CP/M. I have heard that Steve Wozniak, (cofounder of Apple), has had a major hand in the design, working with Digital Research. List price, $399.

QUESTION: Has anyone had a chance to form any impressions on the new card? Is CP/M 3.0 a 'great improvement' over CP/M 2.2 ? Any comments would be of general interest.

Lonnie R. Abelbeck
..!mhuxt!mhuxa!mhuxh!lra

From -180715478857194389
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,fd206dbb93c3f871,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,6fa59342a8f6efa7
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-08 01:42:30 PST
Message-ID: <bnews.mhuxh.3>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxa!mhuxh!lra
X-Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxa!mhuxh!lra
From: mhuxh!lra
Date: Tue Mar 8 04:42:24 1983
Subject: New CP/M Card for APPLE][
X-Google-Info: Converted from the original B-News header
Posted: Mon Mar 7 22:10:25 1983
Received: Tue Mar 8 04:42:24 1983

A new CP/M card for the APPLE][has been introduced by Advanced Logic Systems (ALS). The card provides an additional 64K bytes of memory along with a 6-MHz Z80B processor. The package includes CP/M 3.0, CBASIC and GSX-80 CP/M. I have heard that Steve Wozniak, (cofounder of Apple), has had a major hand in the design, working with Digital

Research. List price, $399.

QUESTION: Has anyone had a chance to form any impressions on the
new card? Is CP/M 3.0 a 'great improvement' over CP/M 2.2 ?
Any comments would be of general interest.

Lonnie R. Abelbeck
..!mhuxt!mhuxa!mhuxh!lra

From 2469818208106159166
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7594c6971658f339,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-08 03:16:12 PST
Message-ID: <bnews.ihuxj.160>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ihuxj!gvw1
X-Path: utzoo!decvax!harpo!npoiv!npois!houxm!houxa!houxi!houxz!ihnp4!ihuxj!gvw1
From: ihuxj!gvw1
Date: Tue Mar 8 06:16:07 1983
Subject: Screen Editor for the Apple II or IIe ???
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 3 08:42:40 1983
Received: Tue Mar 8 06:16:07 1983
Reply-To: gvw1@ihuxj.UUCP (George V. Wilder)

Is there a GOOD screen editor (eg, like emacs, vi, etc) available
for the Apple II or (preferably) the Apple IIe? I am not an Apple owner
(yet), but I'm thinking about getting an Apple IIe. Please send replies to
me; I will be glad to summerize to the net

George V. Wilder
harpo!ihps3!ihuxj!gvw1

From -1460786032576528860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,38ffdbad6fb14301,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-08 03:25:48 PST
Message-ID: <bnews.iwsl2.152>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxj!mhuxi!mhuxv!burl!sb1!ll1!ihldt!ihnp4!
iwsl2!jgpo
X-Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxj!mhuxi!mhuxv!burl!sb1!ll1!ihldt!ihnp4!
iwsl2!jgpo
From: iwsl2!jgpo

Date: Tue Mar 8 06:25:46 1983
Subject: CP/M, PASCAL, the //e, and a red face
X-Google-Info: Converted from the original B-News header
Posted: Wed Mar 2 09:08:49 1983
Received: Tue Mar 8 06:25:46 1983
Reply-To: jgpo@iwsl2.UUCP (John Opalko)

Thanks to the people who responded to tell me the Z80 board is slot-independent. I was leafing through the Owner's Manual this morning (you know, that's the book for people who have never seen a computer before) and, in the section entitled "Programming: the Ultimate Computer Skill," I came across a sentence which read "...the Z-80 card, which you install in slot 7..."

Oh well. "When all else fails, read the directions." Sorry 'bout that!

Not afraid to hang my head in shame,

John

From -5720461201200848860
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,afee44acf27ddc6f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-11 00:03:01 PST
Message-ID: <bnews.alberta.226>
Newsgroups: net.micro.apple
Path: utzoo!decvax!microsof!uw-beave!ubc-visi!alberta!rob
X-Path: utzoo!decvax!microsof!uw-beave!ubc-visi!alberta!rob
From: alberta!rob
Date: Fri Mar 11 03:02:58 1983
Subject: APPLESOFT
X-Google-Info: Converted from the original B-News header
Posted: Tue Mar 8 18:43:37 1983
Received: Fri Mar 11 03:02:58 1983

I came across an embarrassing situation today while trying

to teach some people about the APPLESOFT hi-res graphic
commands. I had entered the following program:

```
 10  HGR
 20  HCOLOR=7
 30  HPLOT 0,0
 40  HCOLOR = RND(1) * 8
 50  HPLOT TO RND(1) * 279, RND(1) * 191
 60  GOTO 40
```

The program is supposed to draw several connected line segments,
each line one of the eight different possible colours. Much to
my surprise, APPLESOFT refused to change the HCOLOR, and drew
all of the lines in the same colour (white). Does anyone know
why this happened (Is there an error in my program, or does
APPLESOFT do this on purpose just to annoy people)?

Thanks,
-Ian
...!uw-beaver!ubc-vision!alberta!rob

From 8609999430086557685
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39eb00866332306,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-11 00:07:20 PST
Message-ID: <bnews.alberta.232>
Newsgroups: net.micro.apple
Path: utzoo!decvax!microsof!uw-beave!ubc-visi!alberta!rob
X-Path: utzoo!decvax!microsof!uw-beave!ubc-visi!alberta!rob
From: alberta!rob
Date: Fri Mar 11 03:07:18 1983
Subject: Opinions: //e or /// ?
X-Google-Info: Converted from the original B-News header
Posted: Wed Mar 9 17:52:50 1983
Received: Fri Mar 11 03:07:18 1983

A friend of mine has been given the opportunity to exchange
an APPLE II+* for either an APPLE ///* or an APPLE //e*. (The //e
will include additional goodies to make up for the difference
in market value of the ///). I would like your opinions on
which is a better hobbyists machine, and why you feel this way.

Thanks,
- Ian
...!uw-beaver!ubc-vision!alberta!rob

P.S. There will be no additional charge for upgrading the computer,
and the friend already has a large collection of
APPLE II+* software.

* APPLE II+, APPLE //e, and APPLE /// are registered trade marks of
     Apple Computer Corp.

From 2689532306213737990
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,17ded6c99c6a6c6d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-15 22:01:35 PST
Message-ID: <bnews.mb2c.103>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!npoiv!npois!wbux5!wb2!houxz!hogpc!houti!lime!we13!otuxa!
ll1!sb1!mb2b!mb2c!jed
X-Path: utzoo!decvax!harpo!npoiv!npois!wbux5!wb2!houxz!hogpc!houti!lime!we13!
otuxa!ll1!sb1!mb2b!mb2c!jed
From: mb2c!jed
Date: Wed Mar 16 01:01:34 1983
Subject: SOFTRANS for UNIX System V
X-Google-Info: Converted from the original B-News header
Posted: Sat Mar 12 19:10:20 1983
Received: Wed Mar 16 01:01:34 1983

I have completed porting SOFTRANS to Bell System UNIX 5.0. This package
interfaces with the SOFTERM terminal Emulation package to allow an
Apple to exchange files with the UNIX host using a data-compressed error-
checked block-mode protocol. Also supported is the ability to route
Apple disk files into a process (eg redirect stdin on the UNIX host to
the Apple disk file) and to redirect the output from a process out to
an Apple disk file or to an Apple local printer.

The SOFTERM Terminal Emulator is available from:

     SOFTRONICS
     6626 Prince Edward Place
     Memphis, TN   38139   (901) 755-5006

who can also provide you with a copy of the SOFTRANS program that runs
on UNIX to interface with the SOFTERM package.

John Duncan   (mb2b!jed)   Michigan Bell   (313) 424-0711

From -7338700466699776196
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39eb00866332306
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-17 21:46:10 PST
Message-ID: <bnews.sdchema.447>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!cmcl2!philabs!sdcsvax!sdchema!bam
X-Path: utzoo!decvax!harpo!floyd!cmcl2!philabs!sdcsvax!sdchema!bam
From: sdchema!bam

Date: Fri Mar 18 00:46:09 1983
Subject: Re: Opinions: //e or /// ?
References: <bnews.alberta.232>
X-Google-Info: Converted from the original B-News header
Posted: Mon Mar 14 10:59:58 1983
Received: Fri Mar 18 00:46:09 1983

I've had a chance to use both the Apple IIe and the Apple III.
Given the choice between the two of them I'd stay with the the IIe.

All your Apple II software will run, your peripherals will still
work and the 80 column option at $100 isn't bad at all.

Even though Apple has re-released the III after fixing a few bugs
and in fact it isn't too bad a machine, you will have to start from
scratch with compatible software and hardware.

Apple foolishly changed their bus structure between models so all
those millions of disk,tape,printer and modem controllers available
for the II won't work in the III. Software is *becoming* available
for the III but has not reached the scale of what is available for
the II(e).

As far as I can tell, the only limitation on the IIe is that the 80
column option isn't fast enough to work at 1200 baud if you use the
computer as a terminal. You would have to use an add on 80 column
board (such as the videx) if you wanted a fast, full display.

Bret Marquis
UC San Diego

{ucbvax, philabs} sdcsvax!sdchema!bam

From 6363340423750814465
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,93bbfab2532df83,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-07 14:06:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!microsof!uw-beaver!cornell!vax135!ariel!houti!hogpc!
houxm!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro.apple
Subject: Why not 6809 & FLEX on Apple?
Message-ID: <1590@ihnss.UUCP>
Date: Thu, 7-Jul-83 17:06:37 EDT
Article-I.D.: ihnss.1590
Posted: Thu Jul 7 17:06:37 1983
Date-Received: Fri, 8-Jul-83 17:43:40 EDT

Lines: 18

I too have wondered why anyone would buy an Apple just to make it
into a CP/M machine. More food for thought: I heard from someone
who bought a 6809 CPU card to plug in his Apple, presumably same slot
as the Z80 would go. He did this to speed up his Pascal,
which he says it did by a factor of 2 to 4!
     Now, the 6809 has a well-established OS called FLEX
which is about the same level of power as CP/M but more user-friendly
and neatly done. Quite a bit of applications and language software
is available for it.
     Then there is about to be OS-9, whcih is almost UN*X.
Ponder: If you want to replace your 6502 with another 8-bit micro,
why not use the latest and greatest? FLEX has been implemented
well on the Color Computer, so it ought to be easy to tailor
to Apples.
     Yeah, I know, there isn't the applications software base
in FLEX (or anything else) that CP/M has. Jeez, how long
is downward compatibility gonna enslave us?
     mike k

From -406681124109808885
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1de6a7b2cd48e550,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,1de6a7b2cd48e550,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-07-08 06:39:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ixn5h.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!ixn5h!dcn
From: dcn@ixn5h.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Zork Users Group Ordering Information
Message-ID: <140@ixn5h.UUCP>
Date: Fri, 8-Jul-83 09:39:20 EDT
Article-I.D.: ixn5h.140
Posted: Fri Jul 8 09:39:20 1983
Date-Received: Sat, 9-Jul-83 16:50:34 EDT
Organization: BTL Naperville, Il.
Lines: 42

     I have received a few requests for additional info about
     the Zork Users Group, so I will expand a bit on my last letter.

     The Zork Users Group is shutting down operations after July 31.
     Orders received after that date will be forwarded to Infocom,
     which will carry everything ZUG has except: buttons, T-shirt
     transfers, bumper stickers & Zork I poster. This leaves only
     the InvisiClues, maps, the games themselves, and the new Zork

II poster. If you want to be sure of getting something, send your order soon to:

Zork Users Group
P.O. Box 20923
Milwaukee, Wisconsin 53220-0923

The prices are:

InvisiClues (for Zork I, II & III, Deadline, Starcross)
$9.95
Guide Maps (for above games, in nice artwork)
2.95
Zork logo T-shirt transfer (as seen on Zork box in stores)
3.95
Zork bumper sticker (I Love Zork, (with a heart))
.95
Zork buttons 1.25 (all six for 6.00)
I Love Zork,
Zorkers Do It Under the Rug
HELLO SAILOR nothing happens here
I'd Rather be Zorking
I'm a Zork Groupie
Master Adventurer
Zork I map 5.95 (color artwork of landmarks in the game)
Zork II map 6.95 (B&W drawing of all rooms with occupants)

In addition, you can order any of the Infocom games at list price. For most micro systems (Apple, Atari, IBM, TI, C64, TRS-80, NEC) the prices are $39.95 for Zork I, II, III, and Starcross, and 49.95 for Deadline, Suspended and Witness. The prices are 10.00 more for CP/M and the PDP-11 versions.

Happy Zorking,

Dave Newkirk
ihnp4!ixn5h!dcn

From -5032808051385822O6
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23395c0e5ec79139,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-08 20:02:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!ariel!houti!hogpc!houxm!hocda!spanky!burl!duke!unc!tucc!ecs!dfh
From: dfh@ecs.UUCP
Newsgroups: net.micro.apple
Subject: Apple //e communications problems
Message-ID: <377@ecs.UUCP>
Date: Fri, 8-Jul-83 23:02:03 EDT
Article-I.D.: ecs.377
Posted: Fri Jul 8 23:02:03 1983
Date-Received: Sat, 9-Jul-83 19:32:40 EDT
Lines: 48

I for one am a little disappointed in the Apple //e as compared to the Apple][. There seems to be a significant problem with the //e's screen I/O when using communications software/hardware. For example, I tried using Datalink (a Pascal based communications program) with the Apple //e 80 column card, and it loses characters at 1200 baud. Not all the time mind you, just when the screen is filled and has to scroll up one line before the next line can be displayed. If I take out the 80 column card, the problem persists. Not only does the problem exist with the Apple 80 column cards (both the plain and 'extended' with 64K RAM), but the Smarterm II suffers the same fate. The Smarterm I appears to work fine however with Datalink, as well as the Wesper Systems 'Wizard 80' card.

The problem crosses software boundaries too. Ascii Express (An Apple DOS based communications program) seems to have the same trouble, with the afore mentioned 80 column cards, as well as a Pascal based communications program of my own construction (which works fine on my Apple][as well as a Franlin ACE 1000).

Visiterm, however, which uses its own character set seems to work fine. Softerm, a terminal emulation program also seems to work fine. It's quite clear that Softerm uses it's own screen I/O instead of 'hooks' into the monitor because it works at 9600 baud. (Nice package, by the way).

Thus I conclude that there is a hardware design error with the Apple and ALS 80 column cards. There is a close connection between Apple and ALS. Perhaps it is too close?

I know that apple was aware of a 'bus contention' problem between the new 'slot 3' and the rest of the bus, but I haven't heard of any fixes in the mill.

Has anybody else experienced the symptoms I describe? They are probably more apparent when communicating with full duplex character-oriented services like UNIX than with line oriented (which have a short delay after sending a line) services like IBM TSO. Does Apple plan to fix the problem?

David Hinnant
N.C. Educational Computing Service
(919) 549-0671
...ucbvax!decvax!duke!tucc!ecs!dfh

From 1733318159201798942
X-Google-Language: ENGLISH,ASCII-7-bit

X-Google-Thread: 1622d3,99519a901718da82
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-09 11:31:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site umcp-cs.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!umcp-cs!rehmi
From: rehmi@umcp-cs.UUCP
Newsgroups: net.micro.apple
Subject: Re: Why Apple CP/M
Message-ID: <670@umcp-cs.UUCP>
Date: Sat, 9-Jul-83 14:31:20 EDT
Article-I.D.: umcp-cs.670
Posted: Sat Jul 9 14:31:20 1983
Date-Received: Sun, 10-Jul-83 04:52:28 EDT
References: <3842@tucc.UUCP>
Organization: Univ. of Maryland, Computer Science Dept.
Lines: 19

Why not take this a step farther and ask "Why Cp/m"? Why are there
still billyuns and billyuns of people out there who insist it is an
operating system? For god's sake, why does everybody want to keep the
z80 around for another umpteen years?

Don't give me that garbage that it would be too costly to upgrade a
business to a 16-bit system, for the new system running a real OS (read
Unix) would pay for itself quite quickly in being far faster and more
usable.

How many people out there actually realize what the origins of cp/m are?

          Watching micros and their users getting left in the dust,
                              -Rehmi-
--
     By the fork, spoon, and exec of The Great Basfour.

Arpa: rehmi@umcp-cs.udel-relay
Uucp:...{allegra,seismo}!umcp-cs!rehmi

From -7737904534396638553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,23395c0e5ec79139
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-12 11:29:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
hocda!spanky!burl!sb1!mb2c!jed
From: jed@mb2c.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple //e communications problems
Message-ID: <150@mb2c.UUCP>
Date: Tue, 12-Jul-83 14:29:05 EDT
Article-I.D.: mb2c.150

Posted: Tue Jul 12 14:29:05 1983
Date-Received: Thu, 14-Jul-83 05:12:09 EDT
References: ecs.377
Lines: 23

The problem with losing characters when scrolling is indeed a problem when using the built-in scrolling functions and certain software/hardware combinations. The problem has to do with the time it takes to scroll the 1920 characters in memory (Apple-//e 80 col card). Some of the 80-col cards for the][(which I should add cost a lot more too) use a CRTC chip which uses an array of pointers to the lines on the screen, e.g. to scroll the screen, all the program has to do is move all of the pointers up by one and clear out an 80-byte memory area for the new line. This is obviously much faster than moving 1920 bytes.

SOFTERM has no magic trick for scrolling the screen faster, in fact it scrolls slower. What it does do however is never work on the scrolling job long enough to lose a character at 9600 baud, assuming that the modem or serial interface can buffer 1 character. That is, by using instruction timings, you can figure out about how many instructions you can execute in 1/960th second and you never do more than that without checking to see if a character came in. Since the Apple is not interrupt driven from the factory, this is the only way to do it. The characters which are brought in during the scroll operation are buffered (SOFTERM uses 256 byte buffer) and then processed when the operation is completed.

John Duncan (mb2c!jed) Michigan Bell (313) 424-0711

From -6522402228845103116
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f74880ac776e910d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-14 04:18:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ucbcad.UUCP
Path: utzoo!linus!decvax!tektronix!ucbcad!morgan
From: morgan@ucbcad.UUCP
Newsgroups: net.micro.apple
Subject: new videx termcap & pieterm - (nf)
Message-ID: <272@ucbcad.UUCP>
Date: Thu, 14-Jul-83 07:18:17 EDT
Article-I.D.: ucbcad.272
Posted: Thu Jul 14 07:18:17 1983
Date-Received: Fri, 15-Jul-83 14:40:10 EDT
Sender: notes@ucbcad.UUCP
Organization: UC Berkeley, CAD Group
Lines: 199

#N:ucbcad:2800004:000:8336
ucbcad!morgan Jul 13 20:09:00 1983

My apologies to all of you for the incorrect termcap posted here a few weeks ago. It was my original scratch version which refused to work with vi. Herein you will find the corrected, updated version.

For those of you with either Programma's Pie or Hayden's Pie, I'm including a patch for DOS which allows them to function interactively as a terminal, with data transfer.

```
#The following termcap entry works only with an Apple ][+ that is
# equipped with a Videx 80 collumn card in slot 3. A special routine
# must be installed at the apple end to enable scroll down, here
# indicated with a ^U. The Videx card must have inverse char set.
qa|apple|apple-v80|Apple][+ w/Videx80 & custom scroll down:co#80:li#24:\
        :bs:ae=^z2:as=^z3:cm=6\015\036%r%+ %+ :\
        :ce=6\035:ho=50\031:so=^z3:se=^z2:nd=\034:\
        :do=\012:up=\037:cl=40*\014:dB=10:xn:am:dF=50:sr=\020:cd=20*\013:
```

Pieterm is written using Lisa 2.5. If any of the opcodes used are confusing, refer to hex values in the left most collumn.

```
 1           TTL "PIETERM 1.0
 2           NLS
 3  ;
 4  ; PIETERM: A program which patches 48k DOS 3.3 to allow
 5  ;          Programma Pie, and Hayden Pie to function in
 6  ;          a terminal mode.
 7  ;
 8  ; ASSUMES: Videx 80 collumn Videoterm in slot 3.
 9  ;          1200 baud Serial Card in slot 2.
10  ;          DOS 3.3 unmodified at $9D00 (master or slave)
11  ;
12  ; TO USE:  Either from the Command level of Pie, or in a
13  ;          "HELLO" program, "BRUN PIETERM,A$6000".
14  ;          To enter terminal mode, from the Command level
15  ;          of Pie, enter "TERM" or "TERM ".
16  ; "TERM"   Sends a carriage return before entering terminal
17  ;          mode. Best for reentering csh.
18  ; "TERM "  Sends a ^D character before entering
19  ;          terminal mode. For example, "TERM " should be
20  ;          entered if returning to a cat>filename.
21  ;
22  ; RETURN:  To return to the command level of Pie from the
23  ;          terminal mode, enter "^@". With an upper case
24  ;          locked keyboard, that is control-shift-P. With
25  ;          and Enhanser II lower case keyboard, that is ^0.
26  ;
27  ; SENDING: From the Command level of Pie, indicated by
28  ;          "Command:" (csh indicated by %), enter:
```

```
   29  ;
   30  ;                Command:TERM
   31  ;                % stty -echo;cat>filename;stty echo
   32  ;                % ^@
   33  ;                Command:>#2
   34  ;                Command:TERM
   35  ;                           ^__space
   36  ;
   37  ; RECEIVING:     % wc filename
   38  ;                46 123 4567 filename
   39  ;                % sleep 20;cat filename
   40  ;                ^@
   41  ;                Command:(1,46)<#2
   42  ;
   43  ; BUGS:    Extra linefeeds are sent both ways. A filter program
   44  ;          at the UN*X end is required to strip every other \n.
   45  ;          Arg "^J" Arg "" ^W^X will globally illiminate them
   46  ;          within Pie.
   47  ;
   48  ;          Since the Patch program overwrites the INIT portion
   49  ;          of DOS, it must be brun every boot. A zap utility
   50  ;          may be used to modify DOS directly on the disk.
   51  ;
   52  ;          Pie gives no indication of what is going on. This
   53  ;          takes a little getting used to. It is possible to
   54  ;          get so involved with what you are doing in Pie, that
   55  ;          you forget you are logged on.
   56  ;
   57  ;          Because of the limitation of Pie's buffer, large
   58  ;          file need to be transfered in chunks.
   59  ;
   60  ;          -------------------------------
   61  ;
   62  ;
0800            63  ;
06F8            64  NO       EQU $6F8            ; address specific to videx
0638            65  START    EQU NO-$C0          ; card in slot 3. See
C080            66  DEV0     EQU $C080           ; reference manual.
C081            67  DEV1     EQU $C081
03B8            68  BASEL    EQU $478-$C0
CA2E            69  BASCLC1  EQU $CA2E
0438            70  BASEH    EQU $4F8-$C0
0800            71  ;
C0AE            72  STATUS   EQU $C0AE           ; Serial card specific to
C0AF            73  DATAPORT EQU $C0AF           ; slot 2. Adjust as needed.
0800            74  ;
FDED            75  COUT     EQU $FDED           ; Stdout
0800            76  ;
A884            77  PUTNAME  EQU $A884           ; DOS patch addresses
A909            78  PUTTOKEN EQU $A909
9D1E            79  PUTADR   EQU $9D1E
AE8E            80  PUTPATCH EQU $AE8E
0800            81  ;
```

```
6000             82           ORG $6000
6000             83           OBJ $800
6000             84  ;
6000 4C 0B 60    85           JMP MAIN
6003             86  ;
6003 54 45 52    87  NAME     DCI 'TERM'          ; hi-bit off except last
6006 CD
6007 40 70       88  TOKEN    HEX 4070            ; need-filename optional
6009 8D AE       89  ADRESS   ADR PUTPATCH-1
600B             90  ;
600B             91  MAIN:
600B A2 04       92           LDX 4
600D BD 02 60    93  ^1       LDA NAME-1,X
6010 9D 83 A8    94           STA PUTNAME-1,X
6013 CA          95           DEX
6014 D0 F7       96           BNE <1
6016 E8          97           INX
6017 BD 07 60    98  ^2       LDA TOKEN,X
601A 9D 09 A9    99           STA PUTTOKEN,X
601D BD 09 60   100           LDA ADRESS,X
6020 9D 1E 9D   101           STA PUTADR,X
6023 CA         102           DEX
6024 10 F1      103           BPL <2
6026 A2 73      104           LDX #ENDPATCH-PATCH+1
6028 BD 32 60   105  ^3       LDA PATCH,X
602B 9D 8E AE   106           STA PUTPATCH,X
602E CA         107           DEX
602F 10 F7      108           BPL <3
6031 60         109           RTS
6032            110  ;
6032            111  PATCH:
6032            112           PHS PUTPATCH
AE8E            113  ;
AE8E A2 8D      114           LDX #$8D
AE90 AD 04 02   115           LDA INBUFF+4
AE93 C9 A0      116           CMP #" "
AE95 D0 02      117           BNE >0
AE97 A2 84      118           LDX #$84
AE99 8A         119  ^0       TXA
AE9A 4C BD AE   120           JMP SENDIT
AE9D AD AE C0   121  RECEIVE  LDA STATUS
AEA0 29 01      122           AND #$01
AEA2 F0 0C      123           BEQ SEND
AEA4 AD AF C0   124           LDA DATAPORT
AEA7 29 7F      125           AND #$7F
AEA9 C9 10      126           CMP #$10
AEAB F0 1F      127           BEQ SCROLLD
AEAD 20 ED FD   128  PRINTIT  JSR COUT
AEB0 AD 00 C0   129  SEND     LDA $C000
AEB3 10 E8      130           BPL RECEIVE
AEB5 8D 10 C0   131           STA $C010
AEB8 29 7F      132           AND #$7F
AEBA D0 01      133           BNE SENDIT
```

```
AEBC 60         134           RTS
AEBD 48         135  SENDIT   PHA
AEBE AD AE C0   136  S0       LDA STATUS
AEC1 29 02      137           AND #$02
AEC3 F0 F9      138           BEQ S0
AEC5 68         139           PLA
AEC6 8D AF C0   140           STA DATAPORT
AEC9 4C 9D AE   141           JMP RECEIVE
AECC 38         142  SCROLLD  SEC
AECD A2 C3      143           LDX #$C3            ; for slot 3
AECF AC F8 06   144           LDY NO
AED2 BD 38 06   145           LDA START,X
AED5 E9 05      146           SBC #$05
AED7 29 7F      147           AND #$7F
AED9 9D 38 06   148           STA START,X
AEDC 20 2E CA   149           JSR BASCLC1
AEDF A9 0D      150           LDA #$0D
AEE1 99 80 C0   151           STA DEV0,Y
AEE4 BD B8 03   152           LDA BASEL,X
AEE7 99 81 C0   153           STA DEV1,Y
AEEA A9 0C      154           LDA #$0C
AEEC 99 80 C0   155           STA DEV0,Y
AEEF BD 38 04   156           LDA BASEH,X
AEF2 99 81 C0   157           STA DEV1,Y
AEF5 A9 19      158           LDA #$19            ; home cursor
AEF7 20 ED FD   159           JSR COUT
AEFA A9 1D      160           LDA #$1D            ; ceol
AEFC 20 ED FD   161           JSR COUT
AEFF 4C 9D AE   162           JMP RECEIVE
AF02            163  ;
AF02            164           DPH
60A6            165           ORG $6000+*-$800
60A6            166           OBJ *
60A6            167  ;
60A6            168  ENDPATCH:
60A6            169           END
```


From 6277161769278168911
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9dd514bc2878cb1a,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 12c65a,9dd514bc2878cb1a,start
X-Google-Attributes: gid12c65a,public
X-Google-Thread: 1622d3,9dd514bc2878cb1a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-14 16:02:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxm!ihnp4!ihnss!
knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro,net.micro.apple,net.micro.cbm

Subject: What all does 6522 chip do?
Message-ID: <1605@ihnss.UUCP>
Date: Thu, 14-Jul-83 19:02:51 EDT
Article-I.D.: ihnss.1605
Posted: Thu Jul 14 19:02:51 1983
Date-Received: Fri, 15-Jul-83 02:16:02 EDT
Organization: BTL Naperville, Il.
Lines: 8

I'd like to know what functions are performed by the 6522 chip.
I assume it is a PIA, with two 8-bit bi-directional (programmable0
parallel ports. But what else does it have? Interrupts, timer,
or what? The 6530 chip used in KIM-I had all that plus ROM and
a little RAM. Are there any manufacturer's spec sheets for
this and other 6502 family parts, or do I need to borrow a
Commodore or Apple manual?
     Thanks, mike k

From 3381366863593128752
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3a2b9f2c90c6eaec,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-15 10:52:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!cmcl2!lanl-a!unm-ivax!clrk
From: clrk@unm-ivax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Terminal Programs
Message-ID: <535@unm-ivax.UUCP>
Date: Fri, 15-Jul-83 13:52:10 EDT
Article-I.D.: unm-ivax.535
Posted: Fri Jul 15 13:52:10 1983
Date-Received: Sat, 16-Jul-83 05:24:13 EDT
Lines: 51

To: Dave Selkowitz Tektronix Wilsonville, OR
Subject: Apple Terminal Emulation Programs

I have not used ASCII Express but SOFTERM gets my vote. (I take it for
granted that anyone using an Apple II as a terminal to UNIX will have a
good 80-column card and a good lower case adapter.)

When I got SOFTERM I had just obtained a Microbuffer II-S from Practical
Peripherals; the printer would not work with any of the SOFTERM printer
drivers (they did not have one specifically for the Microbuffer, either
serial or parallel). I phoned Softronics and upon explaining my problem
the man gave me the name of one of their programmers. I called him. He
said he hadn't seen the Microbuffer yet - could I send him a copy of the
specs to see if he could produce a driver for it. I did and in a couple
of days he called me back. He thanked me for sending the specs, said the
driver was ready, and asked if I'd like to get it now over the phone.

Sure, I said, but I haven't tried the file transfer functions on SOFTERM yet. No problem. He told me exactly how to set the parameters then told me to hang up and connect the phone to the Apple. I did and in another 10 minutes had the file on my configuration disk. It worked fine.

I use SOFTERM with an Apple II with Videoterm and Videx Keyboard Enhancer to dial up UNIX. I have tried the emulations for adm-3a, adm-5, vt-100, vt-52, Televideo 910 and (the most useful of the lot) Televideo 925. (My Videoterm doesn't have inverse but that doesn't cause me any problems.)

The manual is extremely complete, has an extensive and useful index, and is relatively easy to use. If anything, this program is over-documented. Every section has all the information needed, resulting in repetition and a real THICK book. The configurations include drivers for MANY 80-column cards (including Apple IIe), printer drivers, modems, etc.

Two possible disadvantages to SOFTERM. First, the program disk is copy-protected. There is a copy on the reverse side for backup, but I don't think this is a suitable backup scheme. (The new version is supposed to be unprotected.) Second, many things you may need to do fairly often require multiple keystrokes. E.G., to toggle the printer on/off you do ctrl-v p and to send a BREAK you do ctrl-v b. To send a control character you have to do ctrl-c then the letter key. It can be a pain to do anything that requires control characters, such as trying to do full-screen editing on a VMS system while emulating a vt-100.

In summary, SOFTERM is an outstanding Apple II program in every way, the company has provided extraordinary support, and the new version (unless Softronics' reach exceeds their grasp, as so often happens in this game) should be even better.

Jim Pittman University of New Mexico Computing Center
Albuquerque, N.M. 87131 505-277-2764
ucbvax!lbl-csam!lanl-a!unm-ivax!casa

From 1082132932445277511
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 123760,6ad729d306d1ae7,start
X-Google-Attributes: gid123760,public
X-Google-Thread: 1622d3,6ad729d306d1ae7,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,6ad729d306d1ae7,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-07-15 12:53:55 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!cornell!vax135!ariel!houti!hogpc!
houxm!hocda!spanky!burl!we13!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.games.video,net.micro,net.micro.apple
Subject: Anyone try my joystick adapter yet?
Message-ID: <1609@ihnss.UUCP>

Date: Fri, 15-Jul-83 15:53:55 EDT
Article-I.D.: ihnss.1609
Posted: Fri Jul 15 15:53:55 1983
Date-Received: Tue, 19-Jul-83 18:57:15 EDT
Organization: BTL Naperville, Il.
Lines: 9

I'd like to hear from anyone who tried my el-cheapo (two resistors,
two transistors) circuit to feed an Atari-type stick into an analog
joystick port (CoCo, Apple, Vectrex, etc). Posted it about a month ago
after a dozen requests. Did it work? Mine does.
     I got one cryptic mail response cussing me out for posting
an "open-ended article." He/she/it didn't say what article, newsgroup,
or what! Did my stick converter posting get garbled in some far corner
of the country?
     mike k

From 4279201119189865250
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,ee159b09e1a9b9bd,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,ee159b09e1a9b9bd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-19 04:08:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site sequel.UUCP
Path: utzoo!linus!wivax!decvax!microsoft!uw-beaver!cornell!vax135!floyd!whuxlb!
pyuxll!eisx!npoiv!npois!hogpc!houxm!ihnp4!zehntel!tektronix!ogcvax!sequel!gf
From: gf@sequel.UUCP
Newsgroups: net.micro.apple,net.micro.cpm
Subject: FREE CP/M
Message-ID: <222@sequel.UUCP>
Date: Tue, 19-Jul-83 07:08:21 EDT
Article-I.D.: sequel.222
Posted: Tue Jul 19 07:08:21 1983
Date-Received: Fri, 22-Jul-83 03:06:59 EDT
Organization: Sequel Computer Systems, Portland
Lines: 28

I picked up a flyer from Micropro (Wordstar) at the last NCC which
proposes a seemingly attractive offer for Apple II owners.

If you buy Wordstar (or Infostar) before August 31, then they will
give you FREE:
       "6 Mhz Z-80B Processor
     64K RAM Memory on the board
     CP/M 2.2 Operating System
     2k EPROM on the board
     70 Column high-resolution capability (separate 80-column board
        not needed)
     Shift Modification Device for upper and lower case
     Expansion Interface Port for extra memory, parallel or serial

board, or networking
Communicates with Apple through parallel port
40-255 column horizontal scroll capability
Supports popular Apple peripherals including 80 column boards,
floppy and hard disk drives, and printers"

This sounds almost too good to be true. Has anyone had any experience with this offer, or have any knowledge further than that on the flyer? In particular, I would be interested to know if the 70 Column card would be compatible with software intended for the Videx 80 column card.

Gary Fielland
Sequel Computer Systems
..!{decvax!pur-ee | tektronix!ogcvax}!sequel!gf

From 2015086247767779359
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,182f3cb3b2b85aad,start
X-Google-Attributes: gid15517a,public
X-Google-Thread: 129c11,182f3cb3b2b85aad,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,182f3cb3b2b85aad,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-19 09:48:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!yale-com!cutler
From: cutler@yale-com.UUCP (Ben Cutler)
Newsgroups: net.micro,net.micro.pc,net.micro.apple
Subject: Can an IBM PC talk to an Apple?
Message-ID: <1772@yale-com.UUCP>
Date: Tue, 19-Jul-83 12:48:22 EDT
Article-I.D.: yale-com.1772
Posted: Tue Jul 19 12:48:22 1983
Date-Received: Tue, 19-Jul-83 19:36:00 EDT
Lines: 8

I have a bitpad which I use to create image files on an apple.
I'd like to be able to use the images I create on a PC as well.
Does anyone know of a program which lets an IBM read an Apple disk
or an Apple write an IBM disk?

Thanks,
Ben Cutler
decvax!yale-comix!cutler

From 6778134383998507793
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6ecf22174e8044b1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-19 19:09:39 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!wivax!decvax!tektronix!uw-beaver!cornell!vax135!floyd!whuxlb!
pyuxll!eisx!npoiv!npois!hogpc!houxm!ihnp4!ixn5c!inuxc!pur-ee!CSvax:dmc
From: CSvax:dmc@pur-ee.UUCP
Newsgroups: net.micro.apple
Subject: Game info request
Message-ID: <548@purdue.UUCP>
Date: Tue, 19-Jul-83 22:09:39 EDT
Article-I.D.: purdue.548
Posted: Tue Jul 19 22:09:39 1983
Date-Received: Fri, 22-Jul-83 02:43:26 EDT
Lines: 17

Concerning the games "Cannonball Blitz" and "Zaxxon" for the Apple:

Does anyone familiar with "Cannonball Blitz" know how
to get to the flag on the third screen? I can easily get to the upper right
hand corner of the screen, but can't get past the oncoming cannonballs to
reach the flag on the left.

Has anyone had the opportunity to compare the Apple version of Zaxxon
with the arcade version? If you have, I'd appreciate hearing your comments.
I have seen the Atari version of Zaxxon and was disappointed
in the lack of smoothness and responsiveness in steering the plane.

Thanks.

Dave Capka
...pur-ee!purdue!dmc, or
dmc@purdue

From 7758939465528137736
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,182f3cb3b2b85aad
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,182f3cb3b2b85aad
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15517a,182f3cb3b2b85aad
X-Google-Attributes: gid15517a,public
X-Google-ArrivalTime: 1983-07-20 06:43:21 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihuxx.UUCP
Path: utzoo!linus!wivax!decvax!tektronix!uw-beaver!cornell!vax135!floyd!whuxlb!
pyuxll!eisx!npoiv!npois!hogpc!houxm!ihnp4!ihuxx!hersee
From: hersee@ihuxx.UUCP
Newsgroups: net.micro,net.micro.pc,net.micro.apple
Subject: Re: Can an IBM PC talk to an Apple?
Message-ID: <483@ihuxx.UUCP>
Date: Wed, 20-Jul-83 09:43:21 EDT
Article-I.D.: ihuxx.483
Posted: Wed Jul 20 09:43:21 1983
Date-Received: Thu, 21-Jul-83 19:11:46 EDT

References: <1772@yale-com.UUCP>
Organization: BTL Naperville, Il.
Lines: 8

I saw at CP/M-83 in San Francisco an Apple card that
plugs into the IBM-PC that allows the PC to run all
of the Apple software. (Like the Baby Blue for Z80
CP/M) The card was on display at the Lifeboat booth
(212) 860-0300.

Steve Hersee
ihuxx!hersee

From -1597755361125710428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,84c8145a9229d532,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-22 11:32:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!nk
From: nk@cvl.UUCP (Nader Kazor)
Newsgroups: net.micro.apple
Subject: Need help with communication on Apple //e
Message-ID: <510@cvl.UUCP>
Date: Fri, 22-Jul-83 14:32:58 EDT
Article-I.D.: cvl.510
Posted: Fri Jul 22 14:32:58 1983
Date-Received: Fri, 22-Jul-83 21:50:27 EDT
Organization: U. of Md. Computer Vision Lab
Lines: 23

  Does anyone out there know what terminal emmulator can I use
with the following hardware configuration:
     computer : Apple //e
  interface card : MBI's VIP card , CCS 7710 compatible
           modem : Hays Smartmodem 1200
  Right now I can use them all togeher sice the VIP card has an on
board dumb terminal emmulator. But the problem is that I can not use
the 80 column card at the same time.
  Anyone who can help me, please send me mail at :

         seismo!rlgvax!cvl!nk

or write me at :
          Nader Kazor
          Center for Automation Reaserch
          Computer Science Center
          University of Maryland
          College Park, Md 20742

From 7240459701079576625
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,709e35c286e9b3ee,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-25 00:11:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hp-pcd.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!cornell!vax135!floyd!harpo!seismo!
hao!hplabs!hp-pcd!orstcs!hakanson
From: hakanson@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: DBMS Query - (nf)
Message-ID: <1400@hp-pcd.UUCP>
Date: Mon, 25-Jul-83 03:11:10 EDT
Article-I.D.: hp-pcd.1400
Posted: Mon Jul 25 03:11:10 1983
Date-Received: Tue, 26-Jul-83 10:41:50 EDT
Sender: netnews@hp-pcd.UUCP
Organization: Hewlett-Packard, Corvallis OR
Lines: 34

#N:orstcs:15200002:000:1277
orstcs!hakanson   Jun 30 14:32:00 1983

Subject: Has anyone heard of DBMS' for Apple ?

I know it sounds funny, but I have seen them in the Apple "Blue Book"
and I would like some more information. The systems I saw had similar
capabilities, such as allowing "unsophisticated" users to design a
screen layout, and then automatically setting up files, along with
allowing design of reports, etc.

I'm interested in systems using SUPERKRAM or some similar Btree
indexing utility, all in BASIC (sorry, that's all their Apple II+ has),
mapping into (but not necessarily) a relational database, and
requiring no more than two disk drives. I'd like to hear about:

    CONQUEST
    REQUEST

or any others you have heard about. I'd like prices, if you have them,
but I'm most concerned about how reliable they are, performance, gripes
you have if you've used them, etc. Any suggestions are welcome;
I'm developing a very small, simple database, but want to save myself
some time. I also want my customer to be able to modify it or to
add applications of his/her own. Speed and space considerations are not
yet important, but may become that way in the future (don't they
always?).

Please respond by e-mail or to net.micro.appl as soon as you can. Thanks.

Marion Hakanson
{hp-pcd,teklabs,tekcad}!orstcs!hakanson

From -105236548009731833
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15e263,3a9ecccd2cde756a,start
X-Google-Attributes: gid15e263,public
X-Google-Thread: 1622d3,3a9ecccd2cde756a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-27 10:57:01 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!ariel!hou5f!hou5e!hou5d!hogpc!houxm!
ihnp4!we13!otuxa!ll1!sb1!burl!duke!mcnc!unc-c!rrb
From: rrb@unc-c.UUCP
Newsgroups: net.micro.cpm,net.micro.apple
Subject: CP/M Plus query
Message-ID: <1071@unc-c.UUCP>
Date: Wed, 27-Jul-83 13:57:01 EDT
Article-I.D.: unc-c.1071
Posted: Wed Jul 27 13:57:01 1983
Date-Received: Fri, 29-Jul-83 06:04:35 EDT
Lines: 10

I have just received and installed Advanced Logic Systems'
new CP/M card and CP/M Plus (CP/M 3.0) software. Has anyone
had any experience with them? In particular, has anyone had
any experience with installing applications packages such as
Wordstar, Multiplan, DBase II, etc. under CP/M 3.0 (on the
Apple II)?

Bob Blackmun
UNC-Charlotte (NC)

From 7359753226977821674
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,538dc22a57086930,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-29 09:34:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site inuxc.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxm!ihnp4!ixn5c!
inuxc!wjl
From: wjl@inuxc.UUCP
Newsgroups: net.micro.apple
Subject: modem
Message-ID: <730@inuxc.UUCP>
Date: Fri, 29-Jul-83 12:34:04 EDT
Article-I.D.: inuxc.730

Posted: Fri Jul 29 12:34:04 1983
Date-Received: Mon, 1-Aug-83 08:40:22 EDT
Organization: American Bell, Indianapolis
Lines: 15

I am looking for any information about how the apple uses a modem. What
special subroutines are used and how the data is loaded serial or parallel.
I would appreciate hearing from those of you with this information.

W.J. Lumpkin
American Bell
6612 E. 75th
P.O. box 1008
Indianapolis IN

inux/c2/wjl

From -1604997612470263553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,48c43cf05c97965a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-31 18:59:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site mhuxv.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxt!mhuxh!mhuxr!mhuxv!gulka
From: gulka@mhuxv.UUCP
Newsgroups: net.micro.apple
Subject: Apple joystick under 0
Message-ID: <269@mhuxv.UUCP>
Date: Sun, 31-Jul-83 21:59:58 EDT
Article-I.D.: mhuxv.269
Posted: Sun Jul 31 21:59:58 1983
Date-Received: Mon, 1-Aug-83 12:45:42 EDT
Organization: Bell Labs, Murray Hill
Lines: 6

do you yearn for a joysick but cant afford it,or think the prices
are ridicridiculously high, well, look no further, i have good joysticks
for the apple for under $20...only $18..complete.the joystick plugs
into the apple i/o port/ is eself contained and has 2 buttons

if interested,or for more info. write   write gulka MH

From 3579546166890368199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15517a,e429a0a53fda422d,start
X-Google-Attributes: gid15517a,public

X-Google-Thread: 1622d3,e429a0a53fda422d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-01 13:17:20 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
hocda!spanky!burl!duke!unc!tucc!chuck
From: chuck@tucc.UUCP
Newsgroups: net.micro.pc,net.micro.apple
Subject: QuadLink Review
Message-ID: <3951@tucc.UUCP>
Date: Mon, 1-Aug-83 16:17:20 EDT
Article-I.D.: tucc.3951
Posted: Mon Aug 1 16:17:20 1983
Date-Received: Wed, 3-Aug-83 04:03:48 EDT
Lines: 91

Quadram QUADLINK

The Quadram QUADLINK (QL) board is a $680 card for your IBM Personal Computer or XT that allows you to EMULATE an Apple][+ computer. I have one of these cards in my XT and submit the following report from my own experience.

Initial installation of the QL is not for the computer squeemish. It requires total disassembly of your machine to get installed. Basically, several of your computer's functions are re-routed through the QL. These function are:

* Disk Drive Access
* Monitor Output
* Speaker Output

After installation, you have placed jumpers between your Disk Controller, Monitor, and speaker to the QL board.

Operation is simple, you are supplied with an IBM DOS 1.1 program called QUADLINK.EXE that you start up, this program asks you to insert a disk called "FILER" that is supplied with the QL package. The QUADLINK program then reads FPBASIC and DOS 3.3 from the "FILER" disk into the memory on the QUADLINK card. Once Loaded, it tells you to type CTRL-ALT-DEL to boot an Apple Disk in drive A:. You insert your Apple Disk in Drive A: and away it goes.

So far, the only noticeable difference between operation with the QL and operation on an Apple][+ is that disk access is slower. I haven't compiled a percentage figure but I'd guess on the neighborhood of 20% slower than Apple Disk Drives.

Once loaded, QL emulates the following:

* One Apple][+ 48k with Language Card (for 64k total)

* Two Apple Disk][disk drives (in slot #6, if you have
two IBM Disk drive, I have an XT
so I can only have 1 drive)

* Printer in slot #1 (only if you have a parallel printer
on LPT1: on your PC)

* 40 Column text display

* LORES Graphics

* HIRES Graphics

* Game paddle connection (a socket just like the Apple's
is on the QL ready to accept
an Apple Joystick.)

Since the QUADLINK.EXE program reads a copy of Apple's FPBASIC into the memory on the QL, you have an exact duplicate of the APPLE ROMS in the machine. Therefore, the only programs that won't run are those that require other hardware (such as modems, 80 column cards, etc.) and programs that are extreamly protected.

So far, I have been successful at running: UCSD P-system, Fortran, DB Master, Applewriter][, Visicalc, PFS: File, PFS: Report, all DOS 3.3 programs.

So far, I haven't found any of my software that won't run because of protection. A few won't run because it requires a Micromodem or a Videx 80 column card.

It doesn't matter what other hardware you have in your PC (such as serial boards, etc..) the QL will not allow you to access them in Apple Emulation.

Also, the 64k that is on the QL is for the Emulation mode only. This memory is not accessable by your PC if you're not using the card. Likewise, when in Apple Emulation mode, you can't access any of the other IBM PC memory.

The only feature of the QL that is available from IBM Mode is the game paddle connection. Paddles connected to this port can be accessed just like the IBM's Game Controller Adapter Card.

I hope that this helps some of you out... If you have any further questions, feel free to drop me a line.

Charles McCurry (chuck)

From -993999601214299177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15a414,b8dad11c2910f6ae,start
X-Google-Attributes: gid15a414,public
X-Google-Thread: 129c11,b8dad11c2910f6ae,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,b8dad11c2910f6ae,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-04 10:28:50 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site iwsl7.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxt!mhuxi!mhuxa!houxm!ihnp4!iwsl7!k9un
From: k9un@iwsl7.UUCP
Newsgroups: net.micro,net.micro.apple,btl.micro
Subject: Apple IIe and Z80 card Compatibility Problems
Message-ID: <104@iwsl7.UUCP>
Date: Thu, 4-Aug-83 13:28:50 EDT
Article-I.D.: iwsl7.104
Posted: Thu Aug 4 13:28:50 1983
Date-Received: Thu, 4-Aug-83 19:21:24 EDT
Organization: BTL Naperville, Il.
Lines: 32

I just purchased a new Apple IIe. I have had a vanilla Apple II for
a couple of years now and have recently added a generic Z80 card
to add flexibility to my system.
My IIe has an 80 column extended card, a Super Serial Card,
2 disks and a printer interface.
(Besides the Z80 card)>
When I purchased the IIe, the dealer said that their were problems with
the IIe and the Z80 cards. He didn't elaborate on the kinds of
problems, but he said that the card may not work in the IIe.
He indicated that some cards worked on some IIe's, however.

I noticed that (particularly) when I am in 80 col mode (cp/m or Apple
DOS), I occasionally get garbage characters (or perhaps just dots or
groups of 4 dots in a square) that appear on the screen. They don't
seem to do any interferring with my program execution, but they
are annoying (esp. when I am using it in terminal emulation).

I ran a quick test this morning, and I found that I can get the
garbage by looping on the catalog cmd in 80 col mode (just once in a while
a char pops up).
I removed the Z80 card and for the next 3 or 4 minutes there were none.
Upon replacing the Z80 card, they again appeared.

I will continue testing, but I wonder if anyone out there has had
similar experiences and/or know of any fixes?

I will post a summary to net.apple if there is sufficient response.

Wes Ague
Bell Labs, Naperville, Ill.
(312)979-7188 or unix mail

From 8727205782146407881
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15a414,b8dad11c2910f6ae
X-Google-Attributes: gid15a414,public
X-Google-Thread: 1622d3,b8dad11c2910f6ae
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,b8dad11c2910f6ae
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-08-04 13:26:14 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site iwsl7.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxt!mhuxi!mhuxa!houxm!ihnp4!iwsl7!k9un
From: k9un@iwsl7.UUCP
Newsgroups: net.micro,net.micro.apple,btl.micro
Subject: re:Apple IIe and Z80 card Compatibility Problems
Message-ID: <105@iwsl7.UUCP>
Date: Thu, 4-Aug-83 16:26:14 EDT
Article-I.D.: iwsl7.105
Posted: Thu Aug 4 16:26:14 1983
Date-Received: Fri, 5-Aug-83 00:15:07 EDT
Organization: BTL Naperville, Il.
Lines: 4

I forgot to post a machine name.....send comments to iwsl7!k9un

Wes Ague

From 4867478015699369417
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,8da1950ca73fe9fb,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,8da1950ca73fe9fb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-06 16:27:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site iwsl7.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!floyd!vax135!ariel!hou5f!hou5e!hou5d!
hogpc!houxm!hocda!spanky!burl!sb1!ll1!otuxa!we13!ihnp4!iwsl7!k9un
From: k9un@iwsl7.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Apple II For Sale
Message-ID: <108@iwsl7.UUCP>
Date: Sat, 6-Aug-83 19:27:45 EDT
Article-I.D.: iwsl7.108

Posted: Sat Aug 6 19:27:45 1983
Date-Received: Mon, 8-Aug-83 10:56:59 EDT
Organization: BTL Naperville, Il.
Lines: 21

***** FOR SALE *****

Apple II with 1 disk and controller (DOS 3.3)
Videx lower case keyboard/display enhancer
16k ram card, and tv modulator
several disks of games and utilities

$1000

Apple Com Card - $60 ($40 with computer)

Wes Ague
(312)979-7188
iwsl7!k9un

From -4161150614669064127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,aa7d3963c675530b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-15 13:00:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tty3b.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxt!mhuxi!mhuxa!houxm!ihnp4!we13!otuxa!
tty3b!estes
From: estes@tty3b.UUCP
Newsgroups: net.micro.apple
Subject: Apple keyboards
Message-ID: <173@tty3b.UUCP>
Date: Mon, 15-Aug-83 16:00:46 EDT
Article-I.D.: tty3b.173
Posted: Mon Aug 15 16:00:46 1983
Date-Received: Tue, 16-Aug-83 13:13:11 EDT
Organization: Teletype Corp., Skokie, Ill
Lines: 24

I am currently investigating a replacement keyboard for my
Apple][. Not only has my current keyboard worn out (several keys either
repeat undesirably, or do not function regularly.), but I would also like
to have a full ASCII keyboard (with upper/lower case, and all those nifty
characters not on a standard Apple][keyboard.)

The best solution I have found so far is to buy an Apple IIe keyboard and wire up the matrix myself. The Apple IIe uses GI's general purpose keyboard encoder and a 2716 to provide for shift, caps lock, etc.

I would appreciate any help from persons who have experience or opinions on the subject. Most importantly, where do I find a keyboard that doesn't have too many more keys than the Apple][keyboard, so I don't have to hack the case too much.

Thanx,

Ted Estes
...ihnp4!tty3b!estes

From -5683954706714094688
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fd17a46b66a6337d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-19 06:53:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tty3b.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!we13!otuxa!tty3b!estes
From: estes@tty3b.UUCP
Newsgroups: net.micro.apple
Subject: Fast DOS's for Apple II (a question)
Message-ID: <182@tty3b.UUCP>
Date: Fri, 19-Aug-83 09:53:37 EDT
Article-I.D.: tty3b.182
Posted: Fri Aug 19 09:53:37 1983
Date-Received: Fri, 19-Aug-83 21:38:32 EDT
Organization: Teletype Corp., Skokie, Ill
Lines: 23

Could anyone with experience with any of the fast Apple DOS's give me some information for a comparison. Please reply by mail and I will summarize the results to the net.

Data which will prove useful would be:

1) Any added commands
2) Increase in size (if any) of the DOS
3) Does it use the language card?
4) Does it recognize ROM cards in other slots?
5) Cost
6) General comments. (For example, I know that Diversi-DOS uses error numbers in stead of messages to save space in the binary.)

Thanx in advance.

Ted Estes
Teletype Corp., Skokie, Il
{otuxa, we13}!tty3b!estes

From 7740622846089436748
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,8a230bd8976abdd3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-19 14:39:09 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!seismo!rlgvax!cvl!umcp-cs!aplvax!eric
From: eric@aplvax.UUCP
Newsgroups: net.micro.apple
Subject: Re: Apple Elf?
Message-ID: <252@aplvax.UUCP>
Date: Fri, 19-Aug-83 17:39:09 EDT
Article-I.D.: aplvax.252
Posted: Fri Aug 19 17:39:09 1983
Date-Received: Sat, 20-Aug-83 01:55:30 EDT
References: tucc.3998
Lines: 7

The last I heard, Apple had abandoned plans for a portable system and were pinning their hopes on the McIntosh. This has been some time ago, tho.

eric
...!seismo!umcp-cs!aplvax!eric

From 4411004680605574995
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,cbf9dc56fbb2ddbc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-22 09:41:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 beta 3/9/83; site fluke.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!cornell!uw-beaver!ssc-vax!fluke!kurt
From: kurt@fluke.UUCP (Kurt Guntheroth)
Newsgroups: net.micro.apple
Subject: Re: Macintosh
Message-ID: <672@vax2.UUCP>
Date: Mon, 22-Aug-83 12:41:32 EDT
Article-I.D.: vax2.672
Posted: Mon Aug 22 12:41:32 1983
Date-Received: Wed, 24-Aug-83 08:15:08 EDT
Organization: John Fluke Mfg. Co., Everett, Wash
Lines: 6

Say, what ever happened to the macintosh anyway? It was supposed at one time to be introduced last spring. Now it is nearly autumn and still no macintosh. I don't even read about it in the industry rags anymore.

Well apple, what happened?

From -8064396916223803673
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924b720fc0e2c65a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-25 20:27:57 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihldt.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!ihldt!tlt
From: tlt@ihldt.UUCP
Newsgroups: net.micro.apple
Subject: Why is the Apple so popular?
Message-ID: <1911@ihldt.UUCP>
Date: Thu, 25-Aug-83 23:27:57 EDT
Article-I.D.: ihldt.1911
Posted: Thu Aug 25 23:27:57 1983
Date-Received: Fri, 26-Aug-83 12:17:08 EDT
Organization: BTL Naperville, Il.
Lines: 10

Why is it that the Apple computer is so popular?
What can it do besides run games?
Is it anything more than an expensive
desktop calculator (in reference to the spreadsheet
programs)?
Do small businesses actually use Apple computers
for anything useful? How far can you push an
Apple before it runs out of gas. (not very far,
I would guess) How does Apple's OS compare to
CP/M?

From -7702429608138956705
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924b720fc0e2c65a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-26 13:16:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ssc-vax.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!cornell!uw-beaver!ssc-vax!ditzel
From: ditzel@ssc-vax.UUCP (Charles L Ditzel)
Newsgroups: net.micro.apple
Subject: Re: Why is the Apple so popular?
Message-ID: <477@ssc-vax.UUCP>
Date: Fri, 26-Aug-83 16:16:46 EDT

Article-I.D.: ssc-vax.477
Posted: Fri Aug 26 16:16:46 1983
Date-Received: Mon, 29-Aug-83 01:35:43 EDT
Organization: Boeing Aerospace, Seattle
Lines: 32

I am not an apple user but peruse net.apple because sometimes there is something of value to me. I own an atari 800 and I'm fairly abreast of applications that micros are used for.

  I know for a fact that a california based architect uses apples as a means of producing layouts (drawings). The apple is the core of this computer aided design system! The drawings are created on the apples and then printed out on a big drum plotter. Actually pretty impressive.
I know also that more than a few companies use apples for computer-aided design purposes. Among them: an aircraft manufacturer, architects, engineers,...

  I know also that a pretty high number of small businesses are currently using the Apple (Atari - less so , I've only heard of two or three) as the basis for doing their inventory. The kite store my wife managed for a couple of years did their books with an apple and kept track of their inventory in the same way.

  My brother-in-law's father is using an apple to keep track of his drug store's inventory.

I really believe that *alot* of small businesses use apples.

As to the question of how far can you push an apple...i don't know.
I know that in the cases I've cited the apple has performed reliably and once the people(who before this had never touched a computer) became familiar with the machines, the question of what OS the machine used probably was of little concern to them. Most people running small and some not-so-small businesses don't need the power of a CYBER.

This subject is an interesting one to me...i wonder how many other things are done on apples[or ataris or 64s or franklins]?

From 8391592694145316423
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,73969afeb4be146a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-26 14:11:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihldt.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!houxm!ihnp4!ihldt!tlt
From: tlt@ihldt.UUCP
Newsgroups: net.micro.apple
Subject: Need advice on a good word processor for the Apple II
Message-ID: <1912@ihldt.UUCP>
Date: Fri, 26-Aug-83 17:11:45 EDT

Article-I.D.: ihldt.1912
Posted: Fri Aug 26 17:11:45 1983
Date-Received: Sat, 27-Aug-83 23:08:18 EDT
Organization: BTL Naperville, Il.
Lines: 7

A friend of mine asked me to find out what a good
word processor for the Apple II would be. Apparently
he has tried apple-writer and word-star and was not
satisfied with either. He wanted to be able to do
underlining on the screen. ie have characters actually
underlined on the screen, so that what you see on the
screen is what you get on the printer. Any suggestions?

From -2453588087669797363
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,173d2e27b7b66805,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-29 09:10:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site inuxc.UUCP
Path: utzoo!linus!decvax!harpo!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!ixn5c!inuxc!wjl
From: wjl@inuxc.UUCP
Newsgroups: net.micro.apple
Subject: software needed!
Message-ID: <775@inuxc.UUCP>
Date: Mon, 29-Aug-83 12:10:56 EDT
Article-I.D.: inuxc.775
Posted: Mon Aug 29 12:10:56 1983
Date-Received: Tue, 30-Aug-83 09:50:31 EDT
Organization: AT&T Consumer Products Div., Indianapolis
Lines: 16

I am looking to this net for help. After my wife started her own business
it became obvious that record keeping was going to present a problem. Our
account an individual from the dark ages of vacume tubes and punch cards
asked my wife to go out and spend 90 dollars on some record keeping
books. I have looked at the books requested and I cant believe it!
An office supply store can get 90 dollars for 2 bulky books that require
a fine hand and very small print as well as no editing ability!
 It seems to me that I would be able to use my apple for this ledger
routine. I would like to hear from those of you who could recomend software
packages that perform the functions needed for a small business.

From -1018980329465552925
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,588318e5c111607c,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-29 11:10:47 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!floyd!whuxlb!pyuxll!
eisx!npoiv!npois!hogpc!houxm!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro.apple
Subject: Re: Popularity of fruity computy
Message-ID: <1653@ihnss.UUCP>
Date: Mon, 29-Aug-83 14:10:47 EDT
Article-I.D.: ihnss.1653
Posted: Mon Aug 29 14:10:47 1983
Date-Received: Tue, 30-Aug-83 21:11:50 EDT
Organization: BTL Naperville, Il.
Lines: 28

I have often wondered why the Apple caught on and held so well.
Don't own one, but I suspect the reasons are:
1) Expandability--the mother board construction costs a lot but
lets you add things relatively cheap. A lot of little companies
make music synthesizers and etc etc to plug in here.
More important, you can plug in a Z80 or 6809 board and run a REAL
operating system.

2) Marketing: the Apple was plugged right from the start as a
useful business machine, ALSO a serious scientific/technical calculator
with all those hi-res color graphics, AND of course those graphics and
joysticks could be used after-hours for fun-and-you-know-what.
Consequently several sectors of the user population went after Apples.
Compare this to Radio SShack's unfortunate marketing of the Coco
as a game-player that might also balance your check book and let you
learn BASIC.

3) Third-party hardware (aluded to above) and software support,
ABETTED and ENCOURAGED by Apple, Inc. I'll bet less than 10% of
the software running on Apples is from Apple. (Here's another area
where Radio Shack blew it, till recently).

As far as the Apple's intrinsic merits, I'm amazed that anyone today
would pay $1500 bucks for that vintage '77 hardware and Apple-DOS.
Amazed, until i remember the vast bulk of item (3) above.

In fact, (3) helps me understand why anyone would deliberately program
a Z80 or use CP/M ... mike k

From -1637657690217054018
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,bb8c3fe4703aba03,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-29 11:24:56 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!harpo!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro.apple
Subject: Addendum to Re: Apple popularity
Message-ID: <1654@ihnss.UUCP>
Date: Mon, 29-Aug-83 14:24:56 EDT
Article-I.D.: ihnss.1654
Posted: Mon Aug 29 14:24:56 1983
Date-Received: Tue, 30-Aug-83 12:10:24 EDT
Organization: BTL Naperville, Il.
Lines: 17

I should add that in '77, the Apple was good value for the money
(about $1000-1500, someone correct me please). Some non-hacker
who wanted a plug-in & go system could pay $600 for a PET with lousy
keyboard, or about the same for the first TRS-80. Neither of these
had what I'd call graphics, color, nor analog joysticks. And the

Apple looked better and more solid, all in one piece.
It wasn't till 1980 that AAtari and the TRS Coco appeared to give Apple
any competition in the color graphics arena. By that time,
third-party hard & software had pretty well nailed down the Apple's place.
That kept the Apple selling even after cost-efffective technology had
passed it by. (The 1980 Colro COmputer at $400 had almost identical
functional specs to an Apple, using dynamic RAM and a better microprocessor.
The Atari 800 was better in most respects, tho for $900).
     mike k
PS: Has anyone seen a really comprehensive history of home computers?
Sounds like we have the makings of it on this net!

From -8679284221655844238
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,16ec6a19f11577aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-29 13:36:02 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tty3b.UUCP
Path: utzoo!linus!decvax!harpo!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!we13!otuxa!tty3b!estes
From: estes@tty3b.UUCP
Newsgroups: net.micro.apple
Subject: Apple Keyboards
Message-ID: <196@tty3b.UUCP>
Date: Mon, 29-Aug-83 16:36:02 EDT
Article-I.D.: tty3b.196
Posted: Mon Aug 29 16:36:02 1983
Date-Received: Wed, 31-Aug-83 23:48:17 EDT

Organization: Teletype Corp., Skokie, Ill
Lines: 52

A while ago I posted a request for information about installing a full ASCII keyboard on my Apple II+. I received a few suggestions, got a few requests on what I found, and did some research of my own.

...tekid!dennisw suggested looking at the keyboards advertised in Byte by various vendors. These ads have keyboards ranging in price from $80 to $100. The descriptions for the above say something like "Apple II compatable" or "ASCII keyboard for Apple II", etc. They do not say how many keys are on the keyboard, or if one can get {}[]\|~` with the keyboard, or if one has to hack at the case to accommodate extra keys (which one would assume are necessary to get a full ASCII set). I was therefore very skeptical. If anyone has bought one of these, and found it to offer a FULL ascii set, let me know via netmail.

...tekecs!davids sent a nice summary of various options for those desiring a new keyboard. These options included 1) replace keyboard with one of those separate, detached units, 2) buy and ascii keyboard and build into the Apple case, and 3) install Videx Keyboard Enhancer and Funtion Strip. Dave disliked the detached units because the $300 price tag did not buy one many extra options. I don't like them because I already have a computer, monitor, 2 disk drives, printer, paddles, joystick, modem, etc., taking up room on my computer stand, and cannot spare the extra space needed for a detached keyboard.

Dave recommended the Videx Keyboard Enhancer. It gives the user full ascii, plus keyboard macro edit/download capability. The full ascii set is realized by control key sequences, which Dave assured me was a very workable solution to the problem. The Function Strip adds 16 user programmable keys.

I have decided, however, to go with an Apple IIe keyboard and hack it into my case. My reasons for this decision included 1) compatability with existing software, 2) esthetically pleasing, 3) usable by a novice, and 4) I was looking for a hardware project. The IIe keyboard can be purchased from an Apple dealer for about $88. Also necessary for the project are an AY-5-3600-PRO keyboard encoder from General Instruments (about $11) and a 2716 EPROM (price variable, depending upon whether or not you buy it). Find a IIe manual and copy the schematic for the keyboard encoder from it. (Note that AKD means "any key down".) I will not recommend how to get the codes to program into the 2716, but will point out that it gives you total flexibility as to where you map your codes. Also a decision needs to be made about repeating characters, as this function is provided by a custom MOS chip in the IIe. All this extra stuff needs to be stuck on a little piggy-back board. I am in the process of ordering the necessary items. When I get a working version, I will post my results, and offer a schematic of the final design.

Thanks to those who responded,

Ted Estes
Teletype Corp., Skokie, IL
{otuxa, we13, ihnp4}!tty3b!estes

From -6330602348677809997
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,924b720fc0e2c65a
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-08-29 19:23:28 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site cbscc.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!houxm!ihnp4!cbosgd!
cbscc!fran
From: fran@cbscc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Why is the Apple so popular?
Message-ID: <197@cbscc.UUCP>
Date: Mon, 29-Aug-83 22:23:28 EDT
Article-I.D.: cbscc.197
Posted: Mon Aug 29 22:23:28 1983
Date-Received: Thu, 1-Sep-83 04:54:14 EDT
References: <1911@ihldt.UUCP>
Organization: Bell Labs <SCCS>, Columbus
Lines: 56

First, I think that many small businesses DO use the Apple II.
Your assumption that it will run out of gas pretty quick is not
too accurate. It is slow for many jobs, but for the single user
kind of operation, this is not too noticeable. Among the "business"
kinds of things I have done on the apple:

POLLSTER- Survey preparation, data collection and analysis
program. formatted a printed form for about 50 questions,
answers multiple choice, keyword, and numerical data.
Set us analysis template at the same time as it printed out
the master form. (Paper copies given to phone team)
Collected results (with error correction) from the marked
papers.
Printed analysis of results, with confidence intervals, etc.
-- used with a school levey in the local community. about
500 respondants.

Newsletter Manager - maintained the mailing lists, subscription
information, and invoicing for technical newsletter to about
1000. produced invoices, labels, mailing labels, reminder
letters, dunning letters, etc.

Both of the above in PASCAL.

Simulations in (ugh!) Basic.
Roll replacement stategies for vertical cold mills. Simulation
for MBA project. Ditto for several traffic simulations.
Only problem with BASIC is the lack of the distributions as

an internal function. You fake them or approximate them mathematically.

Depreciation, and profit/loss on 6 apartment units. (Visicalc).

General Ledger for a small business.

And my most used program, SCREENWRITER II, a quite acceptable
word processor which has produced most of my papers for MBA,
all of my son's letters to graduate schools, maintains the
mailing lists and produces the form letters for a subcommittee
of NCTE, and handles all documentation which I want immediate
output from at home. (If I need, I carry a floppy to work
and move UNIX files to the floppy, and vice versa.)

I have not yet picked up a terminal emulation program, and
use a vt100 to get to UNIX, and to better printers, and
to do Bell Labs stuff.

Finally, I have DB Master, a fair dbm program, and the
Howardsoft Tax Preparer, which was good until last years
rework. I would have tried to make a couple of bucks before
the screwed it up, but they kludged it so badly that I wouldn't
even try to use it commercially now.
(I would be interested in hearing about others.....)

Frank Webb
The unruffled sage
<cbscc!fran>
<cbosg!fran>

From -4659947688574399500
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2d352e41f98c49c1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-01 05:35:26 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxr.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!floyd!vax135!ariel!houti!hogpc!houxm!
houxr!4391le
From: 4391le@houxr.UUCP
Newsgroups: net.micro.apple
Subject: DOS Enhancer Query
Message-ID: <158@houxr.UUCP>
Date: Thu, 1-Sep-83 08:35:26 EDT
Article-I.D.: houxr.158
Posted: Thu Sep 1 08:35:26 1983
Date-Received: Fri, 2-Sep-83 03:49:32 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 3

Does anyone have data or recommendations for so-called DOS enhancers?

Jim Boddie

From 5510399501673446578
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6c3454e23a4ae799,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-02 03:02:08 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site alberta.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!ubc-visi!alberta!chris
From: chris@alberta
Newsgroups: net.micro.apple
Subject: Apple-IIe 80 column card with CP/M: query
Message-ID: <446@alberta.UUCP>
Date: Fri, 2-Sep-83 06:02:08 EDT
Article-I.D.: alberta.446
Posted: Fri Sep 2 06:02:08 1983
Date-Received: Fri, 2-Sep-83 16:21:22 EDT
Organization: U. of Alberta, Edmonton, AB, Canada
Lines: 12

A friend of mine has an Apple-IIe on which he runs CP/M. He's testing out
some of my programs, so I'd like to help him out. It seems that whenever
CP/M does a warm start, the screen is cleared. This is a royal pain in the
neck when running things which leave information, error messages, etc. on
the screen and then terminate by calling 'SystemReset'. Is there any way
to stop the thing from doing this?

Thanks.

     Chris Gray
     ...ubc-vision!alberta!chris

From -7139494755512646634
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,470a88eee8001740,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-02 16:07:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!harpo!eagle!mhuxt!mhuxi!mhuxa!houxm!ihnp4!ihnss!knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro.apple
Subject: Hey, you missed one!
Message-ID: <1666@ihnss.UUCP>
Date: Fri, 2-Sep-83 19:07:30 EDT
Article-I.D.: ihnss.1666
Posted: Fri Sep 2 19:07:30 1983
Date-Received: Sat, 3-Sep-83 11:21:10 EDT
Organization: BTL Naperville, Il.
Lines: 8

Someone listed the processor boards you can plug into an Apple if you
need something a 6502 can't do. He forgot to mention that you can get
a 6809 board, too (wish I could remember who markets it).
Somebody could get rich selling these and either the FLEX DOS
(like CP/M only nicer) or OS-9 (a micro-UNIX). Then the Apple
would beat out not only the IBM PC but also the Radio Shack Color COmputer
(which has a lot of shortcomings, but not in the processor & DOS dept).
     mike k

From -6890176199424989079
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed788ab7c1b825f6,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-06 05:15:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site houxh.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!houxm!houxh!pvl
From: pvl@houxh.UUCP
Newsgroups: net.micro.apple
Subject: Want Modem Suggestions for Apple
Message-ID: <237@houxh.UUCP>
Date: Tue, 6-Sep-83 08:15:53 EDT
Article-I.D.: houxh.237
Posted: Tue Sep 6 08:15:53 1983
Date-Received: Tue, 6-Sep-83 17:22:54 EDT
Organization: Bell Labs, Holmdel NJ
Lines: 4

  After looking at the modems offered by Apple, a friend was not impressed.
Anybody have other suggestions?
  Pete LaMaster BTL NJ (201)949-0040

From -5081351288582702545
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,e2571113b4997c27,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,e2571113b4997c27,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-06 15:41:46 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihnss.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!houxm!ihnp4!ihnss!
knudsen
From: knudsen@ihnss.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: 6809 & 68000 Board for Apple
Message-ID: <1672@ihnss.UUCP>
Date: Tue, 6-Sep-83 18:41:46 EDT
Article-I.D.: ihnss.1672

Posted: Tue Sep 6 18:41:46 1983
Date-Received: Thu, 8-Sep-83 21:03:49 EDT
Organization: BTL Naperville, Il.
Lines: 22

This is a reply I got by mail to a question several Apple users
have asked about. Hope it helps (I don't have an Apple, ssometimes
wish I did). -- mike k

The manufacturer of the 6809 co-processor board for the Apple is
Stellation Two, in Santa Barbara. Their phone number is 805-966-1140.
I believe they offer either OS-9 for their board, although the main
aim seams to be to offer a faster p-code machine for Apple Pascal.
If you have any further questions, I would suggest that you contact
them, I found them to be very helpful when I did.

On the subject of boards to enhance the Apple, it seams to me that
the 68000 boards now offer much more performance for the dollar.
The 6809 offers a 20% speed improvement for about $350. The 68000
offers at least 400-600% improvement for $1500. Admittedly, the cost
is higher, but I'm not convinced that if you need better performance,
the 6809 is the cost effective way to go. I know I am considering
a 68000 for my Apple.

Alan Parker
BTL-WH
whuxk!2411aap

From -838913520814152302
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ed788ab7c1b825f6
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-06 17:34:05 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxm!hocda!spanky!
burl!akgua!emory!sb6!sb1!mb2c!jed
From: jed@mb2c.UUCP
Newsgroups: net.micro.apple
Subject: Re: Want Modem Suggestions for Apple
Message-ID: <155@mb2c.UUCP>
Date: Tue, 6-Sep-83 20:34:05 EDT
Article-I.D.: mb2c.155
Posted: Tue Sep 6 20:34:05 1983
Date-Received: Wed, 7-Sep-83 14:37:05 EDT
References: houxh.237
Lines: 20

I used a Hayes Micromodem-II from 1978 until about 6 months ago with absolutely
no problems. Almost all of the software you would need is already on the board
unless you want to something esoteric like emulate a VT100 or do print-online.

I now use a Hayes Smartmodem 1200 working through a Mountain Computer CPS Multi-Function card (Clock, Parallel, Serial). I use SOFTERM to emulate a VT102 (a package which I highly recommend). I am now Beta-Testing a new release of SOFTERM called SOFTERM-2 which I hope to post a complete review of within the week.

Another good question to ask is what is a good serial card to use with your modem if you get a standalone modem. The CPS card works fine for me, but requires a piggy-back chip on the Apple-II. I don't know if it will work on a //e. The old Apple serial card won't work for communications at all, the old communications card did have a UART chip but was still shakey. I've heard that the new Apple Super Serial card is good and the ALS serial card is crummy. Beyond that, ask the NET.

John Duncan (mb2c!jed) Michigan Bell (313) 424-0178

From 8286719741856125710
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3544b41172cf639,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-06 21:54:12 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site tekig1.UUCP
Path: utzoo!linus!decvax!microsoft!uw-beaver!tektronix!tekid!tekig1!gregr
From: gregr@tekig1.UUCP
Newsgroups: net.micro.apple
Subject: Re: Why do people own Apples?
Message-ID: <1297@tekig1.UUCP>
Date: Wed, 7-Sep-83 00:54:12 EDT
Article-I.D.: tekig1.1297
Posted: Wed Sep 7 00:54:12 1983
Date-Received: Fri, 2-Sep-83 16:08:11 EDT
Organization: Tektronix, Beaverton OR
Lines: 47

Why does anyone own an Apple you ask?

Well my Apple

1. Has a keyboard with its own uP which produces all possible ASCII characters, allows each key to be redefined to produce any of 8 different macros per key (redefinition via keyboard or disk file), has both slow and fast auto-repeat capability, and includes 16 macro-redefinable function keys to name only a few of its keyboard features. (Videx) Does your PC?

2. Has an excellent 80 column display (I believe it to be far better than my IBM monochrome display at work. An optional 128, 132, or even 160 columns by up to 48 row display is very inexpensively available. (Also Videx) Does your PC?

3. Currently has 144K of RAM and can be expanded practically indefinitely.

I am about to add a 294K disk emulator board. Does your PC have this capability?

4. Has both a 6502 uP which runs the largest selection of software for any PC known, and a 6Mhz Z80B which is running CPM PLUS (3.0) which provides such useful features as I/O redirection, path searches, banked memory management, and much, much more. In addition a super fast 3.6 MHZ 6502 uP is available if desired, several 8088 boards, and several 68000 boards. In short it provides all the expandibility of an S100 system, with the advantage of OEM focus on a specific machine. Of course a huge selection of other options boards are available including memory boards, solid state disks, RGB boards, I/O boards, speech processors (input and output), and on and on and on. Does your PC have all this?

5. Disk drives and controller boards are readily available with software support for single density (143K), double density, and double sided double density 5 1/4 floppies, as well as 8 inch floppies, and hard disks. Other storage systems are also available including 9 track tape drives! By virtue of both Apple Dos and CP/M no other PC even comes in a close second in terms of Software available for all these disks. How about your PC?

I could continue to go on but what's the point? Oh yes, do Apples really run games? I didn't know that!!
My question to you -

Why are you so uninformed?

From -6937691181120222875
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,24843290f99e9dda,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,24843290f99e9dda,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,24843290f99e9dda,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1983-09-12 22:58:22 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site laidbak.UUCP
Path: utzoo!linus!decvax!harpo!eagle!hou5h!hou5a!hou5d!hogpc!houxm!ihnp4!laidbak!ron
From: ron@laidbak.UUCP
Newsgroups: net.wanted,net.micro,net.micro.apple
Subject: Wanted: C source debugger & 6502 C Cross-compiler
Message-ID: <170@laidbak.UUCP>
Date: Tue, 13-Sep-83 01:58:22 EDT
Article-I.D.: laidbak.170
Posted: Tue Sep 13 01:58:22 1983
Date-Received: Wed, 14-Sep-83 23:59:04 EDT
Organization: LAI, Westmont, IL
Lines: 17

Looking for the following:

1) A "C" source code debugger that will allow developers to debug
both native-compiled, and cross-compiled code at the source level.

2) A production quality 6502 C cross compiler that will run under
either VMS or Berkeley Unix 4.1 on a VAX.

Thanks for your assistance, please mail replies via Usenet or U.S. Mail:

Ron Lachman
LAI
645 N. Blackhawk Dr.
Westmont, IL 60559
(312) 986 8840
...ihnp4!laidbak!ron

From 3169774802248873762
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,55de32eb477688b2,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-14 09:55:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ssc-vax.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!ssc-vax!schneids
From: schneids@ssc-vax.UUCP (Jim Schneidewind)
Newsgroups: net.micro.apple
Subject: Grappler or Dumpling?
Message-ID: <513@ssc-vax.UUCP>
Date: Wed, 14-Sep-83 12:55:29 EDT
Article-I.D.: ssc-vax.513
Posted: Wed Sep 14 12:55:29 1983
Date-Received: Thu, 15-Sep-83 13:12:10 EDT
Organization: Boeing Aerospace, Seattle
Lines: 14

A friend of mine is interested in buying a printer interface for his Apple. But, he can`t find any info on the Grappler or Dumpling interface cards. Does anyone know the features of the cards. If so, would you please mail me a brief description and/or your preference.

Thanx, Schneids
ssc-vax!schneids

From 4460447609743835323
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1433f1,66a2d5a0b6421d4e,start
X-Google-Attributes: gid1433f1,public
X-Google-Thread: 129c11,66a2d5a0b6421d4e,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,66a2d5a0b6421d4e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-19 12:07:25 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!harpo!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxp!
rs173
From: rs173@houxp.UUCP (R.SILVER)
Newsgroups: net.micro,net.micro.apple,net.micro.zx
Subject: Apple/Timex Printer Interface
Message-ID: <279@houxp.UUCP>
Date: Mon, 19-Sep-83 15:07:25 EDT
Article-I.D.: houxp.279
Posted: Mon Sep 19 15:07:25 1983
Date-Received: Tue, 20-Sep-83 19:30:58 EDT
Lines: 18

I have a zx81 (timex) microcmputer with some peripherals,
including the timex 32-column thermal printer.

I recently acquired an apple II+ with one disk drive, and am
interested in using the timex printer (temporarily) for hard copy
from the apple.

If you have done this, or tried, or thought about doing it,
please help me.

thanks

Ron Silver - at&t consumer products
Holmdel NJ, rm.1E609 - (201)834-3574

....houxp!rs173

From 5054576459588388743
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f6e42338412862aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-19 14:28:34 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxt!
tld
From: tld@houxt.UUCP (T.DOKTOR)
Newsgroups: net.micro.apple
Subject: household budget software for apple

Message-ID: <350@houxt.UUCP>
Date: Mon, 19-Sep-83 17:28:34 EDT
Article-I.D.: houxt.350
Posted: Mon Sep 19 17:28:34 1983
Date-Received: Tue, 20-Sep-83 20:11:57 EDT
Lines: 4

I am looking for a software package to manage my
household budget.
I saw an ad for the continental home accountant.
Any recommendations?

From -6693364202332654458
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,2fd48f3e1940f584,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-20 09:13:32 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site druxh.UUCP
Path: utzoo!linus!decvax!harpo!gummo!whuxlb!pyuxll!eisx!npoiv!npois!hogpc!houxm!
ihnp4!drux3!druxh!des
From: des@druxh.UUCP
Newsgroups: net.micro.apple
Subject: Softdisk Magazette
Message-ID: <647@druxh.UUCP>
Date: Tue, 20-Sep-83 12:13:32 EDT
Article-I.D.: druxh.647
Posted: Tue Sep 20 12:13:32 1983
Date-Received: Wed, 21-Sep-83 02:28:30 EDT
Organization: AT&T Information Systems, Denver
Lines: 41

     This is in response to several requests for information
about Softdisk Magazette (also 'cause I think it's great).

     Softdisk is one of several Disk Magazines to come out
recently and I think it's one of the best bargains around. The
basic format is two disks of information sent monthly in a
reuseable mailer, with prepaid postage. The cost is $7.00/month
or $55.00 a year (sample copy for $10.00). When you get the first
issue you send back the empty mailer, the next month you keep the
'keeper' disk, the current issue, and send back the previous
months disk. So for each month you can keep a disk and copy a disk.

     Softdisk is completely copyable and contains a wealth of
information. On the first side of the first disk is the 'magazine'
itself - a cover graphics, editorials, tutorials on Basic
Programming, and Software reviews. Hi-res Movies, Music, Hires
adventures and other features have been included in previous issues.

     On the back side of the first disk is the 'Harvest' -

contributed software from subscribers. There have been some very sophisticated programs on this side, ranging from databases to editors, tutorials to text adventures, spread-sheets to spelling drills. All are list-able and a real learning experience to see how others do 'neat' things. If you submit a program that is published, you will get a free issue of the magazine.

The second disk is dedicated to executable advertising, usually one large self-running demo and several other smaller demos. All in all it's a real bargain.

See the current issue of Softalk for an example of a cover graphics. Their address is:

Softdisk Magazette
3811 Saint Vincent
Department S9
Shreveport, LA 71108

- Dale E. Salyer
AT&T IS, Denver
druxh!des

From 8989279319065591967
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,26d702d378fc3e2b,start
X-Google-Attributes: gid1622d3,public
X-Google-Thread: 129c11,26d702d378fc3e2b,start
X-Google-Attributes: gid129c11,public
X-Google-ArrivalTime: 1983-09-20 11:01:58 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!duke!ndd
From: ndd@duke.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: apple OS
Message-ID: <3564@duke.UUCP>
Date: Tue, 20-Sep-83 14:01:58 EDT
Article-I.D.: duke.3564
Posted: Tue Sep 20 14:01:58 1983
Date-Received: Wed, 21-Sep-83 01:24:30 EDT
Lines: 31

I was interested to see Dave Seaman's list of points about Apple Pascal, and felt that I had to make a comment. I think that letting the DOS remember which disk drives are associated with specific volume names is a very bad idea. If one has an application that requires switching diskettes in and out while a program is running, and if you try to do your own I/O error checking, that feature will bite you. If you start out with volumes FOO: and BAR: in the drives, remove BAR: and insert JUNK:, and then attempt to reset JUNK:temp, the system generally

says that the file wasn't found, because DOS doesn't check the diskette directory (this assumes no file BAR:temp). If one leaves JUNK: out when resetting JUNK:temp, the error indicates that the file isn't found, when it should say that the proper volume wasn't found.

Another cute thing happens when you have two volumes named FOO: which have different directories; if you start with one FOO: and then switch to the other and try a write, the first FOO:'s directory will be written over that of the second. Of course, one can argue that anyone who has two different disks with the same name deserves what he gets, but I would prefer sacrificing some speed for a more reliable scheme.

The only sure way that I have found to get around this is to always reset using the device number and then UNITREAD the directory to get the volume name. If I am missing something, I would certainly love for someone to straighten me out; if not, I would argue that this 'feature' is not one that Apple P-system users can be proud of.

Ned Danieley
duke!ndd

From 7036082909648329491
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc8ac5911e784881,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-22 09:56:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!security!genrad!decvax!duke!unc!mcnc!ecsvax!dgary
From: dgary@ecsvax.UUCP
Newsgroups: net.micro.apple
Subject: wanted: apple emulation on s100 system
Message-ID: <1234@ecsvax.UUCP>
Date: Thu, 22-Sep-83 12:56:38 EDT
Article-I.D.: ecsvax.1234
Posted: Thu Sep 22 12:56:38 1983
Date-Received: Fri, 23-Sep-83 21:13:43 EDT
Lines: 9

   We have some folks in our School of Forestry who need to run some software developed for an Apple][+ on an S-100 system, specifically a Vector 4. Anyone know of an S-100 board giving such a machine Apple compatibility?
   While I'm at it, there's a good chance at least some of this stuff is in BASIC (I'm not sure). Anyone know of a filter program to translate Applesoft to Microsoft Basic?
   As usual, I'll summarize to the net if I get anything fascinating.

From 507875007737539429
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 13a109,da71f6f74068d8b1,start

X-Google-Attributes: gid13a109,public
X-Google-Thread: 15f443,da71f6f74068d8b1,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,da71f6f74068d8b1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-22 19:23:04 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ihuxp.UUCP
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!ariel!houti!hogpc!
houxm!ihnp4!ihuxp!djc1
From: djc1@ihuxp.UUCP
Newsgroups: net.micro.apple,btl.wanted,net.wanted
Subject: TERMCAP for Apple II
Message-ID: <490@ihuxp.UUCP>
Date: Thu, 22-Sep-83 22:23:04 EDT
Article-I.D.: ihuxp.490
Posted: Thu Sep 22 22:23:04 1983
Date-Received: Sat, 24-Sep-83 03:14:28 EDT
Organization: BTL Naperville, Il.
Lines: 10

This is my first try with news so please be paitient if I screw up...
Does anyone have a TERMCAP for an Apple II equipped with a Videx
Videoterm 80 column card? There's an outfit that has some terminal
emulator software for the Apple and I could use that I suppose, but
a dedicated TERMCAP would be much more elegant. Any suggestions?

--
          Dave Christensen
          Indian Hill x2555
          ihuxp!djc1

From -195356700967474413
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,26d702d378fc3e2b
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,26d702d378fc3e2b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-09-28 23:31:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10.1 6/24/83; site pucc-h
Path: utzoo!linus!decvax!tektronix!uw-beaver!cornell!vax135!ariel!houti!hogpc!
houxm!ihnp4!ixn5c!inuxc!pur-ee!CSvax:Pucc-H:ags
From: CSvax:Pucc-H:ags@pur-ee.UUCP
Newsgroups: net.micro,net.micro.apple
Subject: Re: apple OS
Message-ID: <298@pucc-h>
Date: Thu, 29-Sep-83 02:31:30 EDT
Article-I.D.: pucc-h.298
Posted: Thu Sep 29 02:31:30 1983
Date-Received: Sat, 24-Sep-83 02:20:43 EDT
References: <3564@duke.UUCP>

Organization: Purdue University Computing Center
Lines: 62

Ned Danieley has raised some interesting questions concerning the way Apple Pascal remembers volume names. The system is reasonably intelligent, but it is not foolproof. I will paraphrase:

Q. Suppose I have two volumes on line (FOO: and BAR:). While my program is running, I remove BAR: and insert JUNK:. If my program now tries to reset JUNK:TEMP, will it succeed?

A. If TEMP exists on the volume JUNK:, the system will find it. It will try all the drives, if it has to. If JUNK: is on line, but there is no file TEMP, your program (assuming it does its own checking) will get an ioresult of 10, which means "No such file on specified volume."

Q. If JUNK: is not on line, can my program correctly determine the reason for failure?

A. If the system fails to find JUNK: in any of the drives, your program will get an ioresult of 9, meaning "No device -- volume is not on line." You may then take appropriate action (such as pausing to remind the user to "Put in JUNK:").

Q. Suppose the file I want to open is BAR:TEMP, and that I have just removed BAR: and put in JUNK:. The system still has the directory for BAR: in memory. Won't this cause trouble?

A. You're right. In this case the system does not double-check. On the other hand, if you ask for #5:TEMP (assuming BAR: was last seen in drive #5), then the system does re-read the directory before proceeding. (What can I say? I have been using Apple Pascal for two years and this has never happened -- even though when I first started I had only one drive and I had to put in a new disk every 3.8 seconds.) Probably the best defensive measure is to do a unitclear on each drive before you start opening files. I now have three drives and I don't often swap disks anymore except to make backups, so I'm not particularly worried. This is the only thing resembling a serious problem that I have ever found in the system (I know of two minor bugs in addition to this). I only wish that VSOS 2.1 (the operating system for the Control Data Cyber 205) were as stable and bug-free as Apple Pascal 1.1. Incidentally, Apple has announced that version 1.2 will be available in the fourth quarter of 1983, with full support for all features of the //e, including 128K bank-switched memory and double-density graphics, as well as hard disk support.

Q. What if I put two volumes named FOO: on line with different directories?

A. The manual specifically warns against doing th. An important special case is making backups -- you put the original and the backup (both named FOO:) on line and specify the copy in terms of unit numbers rather than volume names. The system makes the copy and then reminds you that you have two volumes with the same name. It keeps reminding you, if necessary, on

every command until it notices that you have removed one. The manual also points out that you should not replace a disk by another having the same name, for obvious reasons. Since my backup disks all live across the room from the computer, and nothing else has the same name, I don't worry about this restriction.

This has gotten too long.

Dave Seaman
Purdue University User Services
Pucc-H:ags

From 2910985031795557788
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39eb00866332306
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-18 17:14:39 PST
Message-ID: <bnews.mcnc.1592>
Newsgroups: net.micro.apple
Path: utzoo!decvax!duke!unc!mcnc!jcw
X-Path: utzoo!decvax!duke!unc!mcnc!jcw
From: mcnc!jcw
Date: Fri Mar 18 20:14:38 1983
Subject: Re: Opinions: //e or /// ?
References: <bnews.sdchema.447>
X-Google-Info: Converted from the original B-News header
Posted: Tue Mar 15 08:04:18 1983
Received: Fri Mar 18 20:14:38 1983

Good comparison except for one error: my 80-column card on my IIe works fine at 1200 baud. I'm running Softerm and using the Apple Super Serial Card, emulating a VT-100.

From -873219821988384272
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,39eb00866332306
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-18 20:49:38 PST
Message-ID: <bnews.watarts.1756>
Newsgroups: net.micro.apple
Path: utzoo!watmath!watarts!bernie
X-Path: utzoo!watmath!watarts!bernie
From: watarts!bernie
Date: Fri Mar 18 23:49:34 1983
Subject: Re: Opinions: //e or /// ?
References: <bnews.alberta.232>
X-Google-Info: Converted from the original B-News header
Posted: Fri Mar 18 10:51:29 1983
Received: Fri Mar 18 23:49:34 1983
Reply-To: bernie@watarts.uucp (Bernie Roehl)

My advice is to get whichever has the highest market value, sell it, and buy an IBM PC. If this does not appeal to you, the][e gets my vote. There's more software and peripheral support for it than there will ever be for the ///.

--Bernie Roehl
...decvax!watmath!watarts!bernie

From -7109846952799759942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,c09ff04ccfccd762,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-27 01:24:54 PST
Message-ID: <bnews.nmtvax.265>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!cmcl2!lanl-a!unm-ivax!nmtvax!robert
X-Path: utzoo!decvax!harpo!floyd!cmcl2!lanl-a!unm-ivax!nmtvax!robert
From: nmtvax!robert
Date: Sun Mar 27 04:24:50 1983
Subject: assembler
X-Google-Info: Converted from the original B-News header
Posted: Fri Mar 25 18:49:53 1983
Received: Sun Mar 27 04:24:50 1983

Is there anyone on the net with information on assemblers for the Apple][? If so I would appreciate any information regarding user prefrences. I have used both the assembler in DOS Tool Kit and Lisa 1.5 (Yes that archaic one!) and have been displeased with both. If anybody has used Merlin (Southwestern Data Systems) please let me know how you like it.

Thanks for your time

Robert Kenyon
...nmtvax!robert

PS I just got on the net today and I think it is abosolutely fantastic.

From 4096472698947555760
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ebb99765a635f2ba,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-28 17:20:08 PST
Message-ID: <bnews.utcsrgv.1219>
Newsgroups: net.micro.apple
Path: utzoo!utcsrgv!scheidt
X-Path: utzoo!utcsrgv!scheidt
From: utcsrgv!scheidt
Date: Mon Mar 28 20:19:59 1983
Subject: Help wanted with Apple Pascal
X-Google-Info: Converted from the original B-News header

Posted: Mon Mar 28 20:01:14 1983
Received: Mon Mar 28 20:19:59 1983

Does anyone have experience with the Apple Pacal Assembler ? I am
having mysterious problems with an assembly code procedure which
works properly in one host program but not in another. Are there
any known bugs in the Assembler or (perhaps more likely) the
Linker ? How about problems associated with .PUBLIC or .PRIVATE
declarations ? And while I'm at it... Why does the documentation
suggest that LDA @LOC1,Y should be used in place of LDA (LOC1),Y ?
Both seem to produce the same code...

I'm using Apple Pascal 1.1 . Is this the most current release ?

Any help will be greatly appreciated.

Dan Scheidt
...decvax!utzoo!utcsrgv!scheidt

From -5051307151992087806
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e7d8446262360e80,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-03-30 01:07:38 PST
Message-ID: <bnews.hocsi.105>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxz!hocsb!hocsf!hocsi!
cce
X-Path: utzoo!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxz!hocsb!hocsf!hocsi!
cce
From: hocsi!cce
Date: Wed Mar 30 04:07:36 1983
Subject: Error handling in Applesotf BASIC
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 10 09:30:50 1983
Received: Wed Mar 30 04:07:36 1983

The Applesoft BASIC programming reference manual states in page 81:

"Care must be taken when handling errors that occur within FOR...NEXT loops
or between GOSUB and RETURN, as the pointers and RETURN stacks disturbed.
The error-handling routine must *restart* the loop, returning to the FOR or
GOSUB statement, *not* the NEXT or RETURN statement. After error handling,
a return to a NEXT or a RETURN will cause the appropriate message:
?NEXT WITHOUT FOR ERROR or ?RETURN WITHOUT GOSUB ERROR"

I am trying to port a BASIC program written for the TRS-80 with extensive
error handling. My problems/questions (flames?) are:
-How 'disturbed' does the stack get?
-Is this a bug or a feature?

-Does this mean that you can not do error handling within a subroutine?
(only within the main body?). Any solutions?

From 7312634191221724235
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,eedf64071cffd0c3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-01 04:40:29 PST
Message-ID: <bnews.npoiv.2216>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!jhg
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!jhg
From: npoiv!jhg
Date: Fri Apr 1 07:40:24 1983
Subject: Apple II termcap wanted
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 31 15:57:58 1983
Received: Fri Apr 1 07:40:24 1983

Does anyone have a termcap entry for the apple II?
     Thanks,
     Jan Gryck
     npoiv!jhg or npois!jhg
     201-922-7122

From 6161564085439231369
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 125dc4,1aaae2b6a08f6bd1,start
X-Google-Attributes: gid125dc4,public
X-Google-Thread: 1622d3,1aaae2b6a08f6bd1,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-01 04:42:45 PST
Message-ID: <bnews.hogpc.120>
Newsgroups: net.micro.apple,net.games
Path: utzoo!decvax!harpo!floyd!vax135!ariel!orion!lime!houti!hogpc!she
X-Path: utzoo!decvax!harpo!floyd!vax135!ariel!orion!lime!houti!hogpc!she
From: hogpc!she
Date: Fri Apr 1 07:42:43 1983
Subject: HI RES ADVENTURE QUERIES
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 31 14:31:17 1983
Received: Fri Apr 1 07:42:43 1983

Can anyone help me find the castle in Wizard and Princess?
I've been to the island with the Treasure Chest (and back again),
have a load of not-yet-useful items (apple, locket, harp? etc)
and can't seem to reach the next stage of the gae
(sic) game.

Also, on Ulysses and Golden Fleece, how do I get through the storm and
reach the Island of Dreams(?) Does it have something to do with the

seagull and the mast?
hogpc!she

From -2605827593006376428
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,fc07da5c948a2b4a,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-01 05:01:11 PST
Message-ID: <bnews.hogpc.119>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!npois!houxm!houxz!hogpc!she
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!npois!houxm!houxz!hogpc!she
From: hogpc!she
Date: Fri Apr 1 08:01:09 1983
Subject: Games documentation needed
X-Google-Info: Converted from the original B-News header
Posted: Thu Mar 31 14:22:55 1983
Received: Fri Apr 1 08:01:09 1983

I would like to borrow the instructions, maps, etc that come with
Starcross, Flight Simulator, Crush Crumble (etc), Maurauder.
I'll pay postage if mailed and return promptly.
Please reply to me at hogpc!she. Thanks.

From -6196276077174546765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,de285e79ca26b685,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,de285e79ca26b685,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-02 23:53:07 PST
Message-ID: <bnews.sdccsu3.450>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!harpo!floyd!cmcl2!philabs!sdcsvax!sdccsu3!ee163ha
X-Path: utzoo!decvax!harpo!floyd!cmcl2!philabs!sdcsvax!sdccsu3!ee163ha
From: sdccsu3!ee163ha
Date: Sun Apr 3 02:53:05 1983
Subject: Anix info
X-Google-Info: Converted from the original B-News header
Posted: Fri Apr 1 19:14:18 1983
Received: Sun Apr 3 02:53:05 1983

    Has anyone used or know anything about the LAZAR Inc. ANIX
operating system (UNIX-like) for the Apple II. Any information will
be appreciated and summarized in net.micro.apple.

              Thanx in advance,
                            Pete Nesterenko
                            Logicon Inc.

P.O Box 85158
San Diego, Ca., 92138-5158
(619) 455-1330 ext 523

From 2321462559428902127
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,7f40691fd14165bc,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,7f40691fd14165bc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-06 03:59:40 PST
Message-ID: <bnews.hound.130>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!ariel!houti!hogpc!houxm!houxa!
hound!5132ts2
X-Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!ariel!houti!hogpc!houxm!
houxa!hound!5132ts2
From: hound!5132ts2
Date: Wed Apr 6 06:59:39 1983
Subject: unix-apple termio
X-Google-Info: Converted from the original B-News header
Posted: Tue Apr 5 13:20:13 1983
Received: Wed Apr 6 06:59:39 1983

I have seen other request, but no replies. Does anybody have the information
on how to setup the .profile on unix (termio,termcap, etc...) in order to
communicate with an apple.I have an apple II+, 64k and am using ASCII
express, the professional with an Apple Super Serial Card.
I will post replies in net.micro.apple group.

BTL-HO
hound!5132ts2

From 3903748035808850366
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 15f443,612d71066906059d,start
X-Google-Attributes: gid15f443,public
X-Google-Thread: 1622d3,612d71066906059d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-06 12:49:27 PST
Message-ID: <bnews.utcsrgv.1251>
Newsgroups: net.micro.apple,net.wanted
Path: utzoo!utcsrgv!goodday
X-Path: utzoo!utcsrgv!goodday
From: utcsrgv!goodday
Date: Wed Apr 6 15:49:26 1983
Subject: voice recognition unit wanted
X-Google-Info: Converted from the original B-News header
Posted: Wed Apr 6 15:05:25 1983
Received: Wed Apr 6 15:49:26 1983

I am looking for a commercal voice recognition unit for an Apple computer.
If anyone has any info, please mail me.

      David Schiferl
      decvax!utzoo!utcsrgv!goodday

From -6601303712158537199
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e54569124b918405,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-07 22:00:13 PST
Message-ID: <bnews.ihuxq.231>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!npois!houxm!ihnp4!ihuxq!jlbo1
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!npois!houxm!ihnp4!ihuxq!jlbo1
From: ihuxq!jlbo1
Date: Fri Apr 8 01:00:12 1983
Subject: apple boards for sale and other goodies
X-Google-Info: Converted from the original B-News header
Posted: Thu Apr 7 12:57:19 1983
Received: Fri Apr 8 01:00:12 1983

Apple boards for sale ,also complete machines and acces.

call: J. Brubaker IH 7908 or 312-964-4205

From 1659747613691230246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,63ff3ac555c51004,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-09 03:02:22 PST
Message-ID: <bnews.yale-com.1236>
Newsgroups: net.micro.apple
Path: utzoo!decvax!yale-com!achan
X-Path: utzoo!decvax!yale-com!achan
From: yale-com!achan
Date: Sat Apr 9 06:02:21 1983
Subject: Apple Pascal problem
X-Google-Info: Converted from the original B-News header
Posted: Fri Apr 8 20:17:03 1983
Received: Sat Apr 9 06:02:21 1983

Does anyone know how to prevent the Apple from reading CTRL-K's as the
character '[' from the keyboard. I have an Apple IIe and have the '['
character on the keyboard so I don't need it. What's bothering me is
that the new UP-CURSOR key is a CTRL-K so that it is interpreted as

a '['. I suspect a patch to SYSTEM.APPLE (similar to the lower-case
patch) would do the trick, but I don't know how SYSTEM.APPLE is
constructed. Any suggestions or comments would be greatly appreciated.
Thanks in advance.

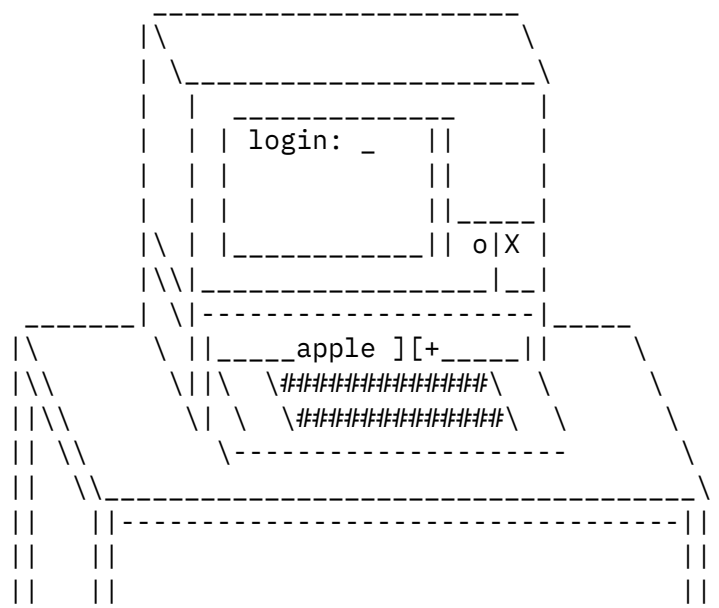
                    Allen Chan
                    ...!decvax!yale-comix!achan

From -7433206703869156907
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e536a747ae60aadd,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-10 01:02:04 PST
Message-ID: <bnews.houxt.283>
Newsgroups: net.micro.apple
Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!ariel!houti!hogpc!houxt!
4341shn
X-Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!ariel!houti!hogpc!houxt!
4341shn
From: houxt!4341shn
Date: Sun Apr 10 04:02:01 1983
Subject: looking for apple terminal emulation software
X-Google-Info: Converted from the original B-News header
Posted: Thu Apr 7 09:28:26 1983
Received: Sun Apr 10 04:02:01 1983

I have an Apple //e with Apples 80 col card and I want
to use it as a terminal on unix. I use vi alot so I would
like a reasonable emulation (like vt100). Others in our
department have apple II+ and videx 80 col cards and we
all have microsoft cp/m cards. The best emulator would be
cp/m based (i.e., not copy protected) and run on all of
our apples. Communications is at 1200 baud using apples
super serial card and 212 modems. Please send recommendations
and experiences.
              Steven Nurenberg

From 5641336281190764040
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f239742ee5d8fdb7,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-12 22:16:11 PST
Message-ID: <bnews.mhuxh.90>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxm!npois!npoiv!alice!
mhtsa!eagle!mhuxt!mhuxa!mhuxh!lra
X-Path: utzoo!decvax!harpo!floyd!vax135!ariel!houti!hogpc!houxm!npois!npoiv!alice!
mhtsa!eagle!mhuxt!mhuxa!mhuxh!lra
From: mhuxh!lra
Date: Wed Apr 13 01:16:09 1983

Subject: Apple Picture
X-Google-Info: Converted from the original B-News header
Posted: Mon Apr 11 20:32:12 1983
Received: Wed Apr 13 01:16:09 1983



From -1228743632665492431
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e536a747ae60aadd
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-12 23:38:33 PST
Message-ID: <bnews.sdchema.489>
Newsgroups: net.micro.apple
Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!floyd!cmcl2!philabs!sdcsvax!
sdchema!bam
X-Path: utzoo!decvax!microsof!uw-beave!cornell!vax135!floyd!cmcl2!philabs!sdcsvax!
sdchema!bam
From: sdchema!bam
Date: Wed Apr 13 02:38:32 1983
Subject: Re: looking for apple terminal emulation software
References: <bnews.houxt.283>
X-Google-Info: Converted from the original B-News header
Posted: Sun Apr 10 17:20:33 1983
Received: Wed Apr 13 02:38:32 1983

Just about the best terminal package for the Apple II (or IIe) is Bill
Blue's Ascii Express "Pro". This package supports full terminal
emulation (default as shipped is vt52, but the options are adm3a,
Hazeltine 1500 or soroc with the added option of adding your own.) with
any 80 column board. The package uses interrupts so you can print or
look at your disk directory while recieving a file without losing any
characters. Auto logon routines, auto answer routines with password
protect if desired. A "TWX" mode with answerback. Cristianson protocol

or ascii text file transfers, internal text editor and other very useful features.

He's gone to a great deal of trouble to allow the use of just about anyones printer interfaces, modems or 80 column boards. Its as easy to use a Hays 'Smart Modem' as it is to use a Ventel 103/212, a Novation Apple cat or even an acoustic coupler.

The disks are not copy protected and the program can be transferred to hard disks or duplicated for back up.

If you are using a Novation Apple-cat with the 1200 baud option than the software will speed select on recieve, otherwise you can use the 300 baud modem for dialing and then automatically switch to your Vadic triple or whatever.

I've been quite sucessful using an Apple with "AE PRO" to play rogue or use vi with. All the ascii characters not supported on the Apple's keyboard can be sent using a single prefix character.

Other versions of the package will soon be available for the IBM PC in native mode and soon a generic CP/M version for just about anything else.

Bret Marquis

{ucbvax, philabs, decvax}!sdcsvax!sdchema!bam

From 4269364278429346553
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e3ec5ac372e9ad87,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-15 17:11:26 PST
Message-ID: <bnews.utastro.294>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!seismo!hao!cires!nbires!ut-ngp!utastro!bill
X-Path: utzoo!decvax!harpo!seismo!hao!cires!nbires!ut-ngp!utastro!bill
From: utastro!bill
Date: Fri Apr 15 20:11:25 1983
Subject: Apple Pascal problem
X-Google-Info: Converted from the original B-News header
Posted: Tue Apr 12 16:24:31 1983
Received: Fri Apr 15 20:11:25 1983

There are several possible ways to fix the Apple keyboard
so that Pascal will not translate ^K to [.

1) Ron de Groat has written a book, titled (I think)
   "All About Apple Pascal", which is reputed to
   go very deeply into the guts of the system. He
   has published patches to other parts of the
   system (e.g., how to enter normally unavailable
   characters {}\~ etc) from the keyboard, and I am
   pretty sure this book will contain what you need.
   It is available from the publishers of Call A.P.P.L.E.
   for < $12.00, but (here's the catch, and the reason
   I don't have a copy) you have to join the Apple
   Puget Sound Library Exchange to get it (another ~$40).
   Depending on how desperate you are, you might be tempted.

2) About 2 years ago, de Groat published the above-mentioned
   article in Call A.P.P.L.E. -- I believe the title
   was something like "Hiding code beneath the heap".
   Full source listing was given as well as several ways
   to perform the interfacing.

3) You may be able to beg or borrow a patched version
   of SYSTEM.APPLE from someone who has installed the
   VIDEX keyboard enhancer or another comparable
   keyboard encoder board that provides the Apple with
   a "real" keyboard. I have the board, and am very
   happy with it. The Pascal patch provided with it
   works fine.

Good luck.

Bill Jefferys (-!hao!cires!nbires!ut-ngp!bill)
Astronomy Dept
University of Texas

From -3933471636609262718
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,afa8aeade45eabb0,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-19 15:52:48 PST
Message-ID: <bnews.utcsstat.591>
Newsgroups: net.micro.apple
Path: utzoo!utcsrgv!utcsstat!ian
X-Path: utzoo!utcsrgv!utcsstat!ian
From: utcsstat!ian
Date: Tue Apr 19 18:52:45 1983
Subject: Suntronics disk controller?
X-Google-Info: Converted from the original B-News header
Posted: Tue Apr 19 15:59:03 1983
Received: Tue Apr 19 18:52:45 1983

A company called `Suntronics' is currently advertising in BYTE.
Among their other offerings is a $99 disk controller for the][which
they claim uses `standard Shugart drives' or words to that effect.
Does anybody know:
     1) does it work at all?
     2) does it use SA400's? or SA400L's? or which other model?
     3) how well does it handle half-track-step and other fancy
        things?
Please reply either to me or to this newsgroup. Thanks.

Ian Darwin, Toronto

From -2099261801093057719
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6703b361a0790f01,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-24 13:12:45 PST
Message-ID: <bnews.whuxlb.1079>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!floyd!whuxlb!drd
X-Path: utzoo!decvax!harpo!floyd!whuxlb!drd
From: whuxlb!drd
Date: Mon Apr 25 08:01:53 1983
Subject: Apple Compatable Drives
X-Google-Info: Converted from the original B-News header
Posted: Sun Apr 24 16:12:45 1983
Received: Mon Apr 25 08:01:53 1983

I have a friend who is using and selling Sugart drives on his system. He has no
Problem with half-track protection techniques. He can use any program avaiable.

Of course Sugart drives must be modified for use with standard Apple disk controlers. He sells the drive,and a drive modification kit w/parts.

I am interested on getting some oppinions on SOFTWARE PROTECTION. Are most of this nets readers for or against it?
Send me your oppinion w/comments?
(I am against it because I have purchased programs that are so PROTECTED that I couldn't boot it!!!!!)

Gregg Stefancik
harpo!whuxlb!drd

From -7342010899306719416
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,9db4c8398b85711d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-25 23:12:07 PST
Message-ID: <bnews.tucc.3586>
Newsgroups: net.micro.apple
Path: utzoo!decvax!duke!mcnc!unc!tucc!billb
X-Path: utzoo!decvax!duke!mcnc!unc!tucc!billb
From: tucc!billb
Date: Mon Apr 25 23:12:07 1983
Subject: MacIntosh News
X-Google-Info: Converted from the original B-News header
Posted: Thu Apr 21 08:44:50 1983
Received: Mon Apr 25 23:12:07 1983

source: Wall Street Journal April 20

Apple has apparently sold Drexel University 3000 MacIntosh machines, 1650 of which will be sold to students next winter for about $1000 each. Apple acknowledges the agreement with Drexel but will only say that it concerns "an unannounced product". First hand experiences related by a Drexel vice president suggest the following (using his words):

  mouse
  video screen, disk drive, keyboard in one unit
  23-24 lbs, can be transported in a soft case
  16-bit microprocessor with 64K min memory
  (they call it the Apple DU--for Drexel University)
  they picked it because it was "easy to use"

From -3667523830706800348
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b154649a3a9f69dc,start

X-Google-Attributes: gid1622d3,public
X-Google-Thread: 15f443,b154649a3a9f69dc,start
X-Google-Attributes: gid15f443,public
X-Google-ArrivalTime: 1983-04-27 06:57:52 PST
Message-ID: <bnews.isrnix.200>
Newsgroups: net.micro.apple,net.wanted
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!ihnp4!ixn5c!inuxc!pur-ee!
iuvax!isrnix!pugsly
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!ihnp4!ixn5c!inuxc!pur-ee!
iuvax!isrnix!pugsly
From: isrnix!pugsly
Date: Wed Apr 27 06:57:52 1983
Subject: looking for modem7 for the apple 3 cp/m
X-Google-Info: Converted from the original B-News header
Posted: Wed Apr 20 22:00:06 1983
Received: Wed Apr 27 06:57:52 1983

I am looking for someone who either has the source code to a working
copy of modem7 working on the apple3 using CP/M or could give me tech.
info on how to config it to work on the thing. Apple(tm) said they
would send a tech. manual for $50.00, but all I need is the tech. stuff
to get modem7 working.
Please reply by mail. Thanks in advance.
                        David Roth
              (decvax!pur-ee!iuvax!isrnix!pugsly)

From -1914040018788065242
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,22231f7b5caf5e6d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-28 02:38:33 PST
Message-ID: <bnews.tucc.3616>
Newsgroups: net.micro.apple
Path: utzoo!decvax!duke!mcnc!unc!tucc!jhb
X-Path: utzoo!decvax!duke!mcnc!unc!tucc!jhb
From: tucc!jhb
Date: Thu Apr 28 02:38:33 1983
Subject: Re: whuxlb.1079: Apple Compatable Drives
X-Google-Info: Converted from the original B-News header
Posted: Tue Apr 26 20:33:37 1983
Received: Thu Apr 28 02:38:33 1983

You ak[Dsked for our opinions on software protection. The general feeling
at Apple (I have it on good authority) is split right down the middle.
About half the folks like it and hld[D[Dalf don't. The company has stopped
developing protection schemes, so I guess that tells you something.
They say it was just too much work to keep ahead in a losing game
anyway.

- J Budge

From -5647568168215292954
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e063afe1738530bf,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-04-30 06:21:13 PST
Message-ID: <bnews.tucc.3625>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!houxz!hocda!spanky!burl!
duke!unc!tucc!skp
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!houxz!hocda!spanky!burl!
duke!unc!tucc!skp
From: tucc!skp
Date: Sat Apr 30 06:21:13 1983
Subject: Re: hao.478: Request for Apple II MODEM program
X-Google-Info: Converted from the original B-News header
Posted: Thu Apr 28 18:08:22 1983
Received: Sat Apr 30 06:21:13 1983

Regarding parity for Visiterm, the instructions are on Page 3-6. Concerning
the problem with commas, I have been using Visiterm for about a year,
and have had no problem. You might check the ASCII equivalents of your
host computer ... they may be different, and Visiterm can be modified
to accommodate that.
Steven K. Paulson
via NCECS

From -8714313917315109745
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6e1869acdef0dd8b,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-10 00:54:30 PST
Message-ID: <bnews.utastro.325>
Newsgroups: net.micro.apple
Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!cires!nbires!ut-
ngp!utastro!bill
X-Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!cires!nbires!ut-
ngp!utastro!bill
From: utastro!bill
Date: Tue May 10 00:54:30 1983
Subject: 68000 coprocessor card for Apple][
X-Google-Info: Converted from the original B-News header
Posted: Wed May 4 14:42:01 1983
Received: Tue May 10 00:54:30 1983

We recently visited the makers of the Saybrook coprocessor card for the
Apple][. It has an 8 or 12.5 MHz 68000 with 128KB of ram (expandable

to 512KB if you are rich and buy the new 256K ram chips; if you are poor you can wait for the price to come down. The on-board address decoder will handle either type of memory chip). The card fits into a standard Apple slot with a little room to spare (i.e., it has a "nose job" in front). The card has DMA to the Apple memory, which greatly speeds up processor-to-processor communication. A separate power supply is provided.

The operating system is the Softech P-system with Pascal and Fortran (communicates with Apple Pascal and runs 68K Pascal). It supports 64-bit floating point, unlike Apple Pascal. Being interpreted, it is not as fast as the 68K is capable of, but it still goes like a banshee. They are now getting the last bugs out of the Apple to Saybrook software interface (the person we talked to was estimating 2 weeks, but we know how these things have a way of extending themselves...) Even so, it was impressive. The 8 MHz board should run about as fast as the Sage (my memory may fail me, it was my impression that their processor was 6 MHz, but that may have changed). At 12.5 MHz there should be a substantial speed advantage.

They plan to have a UN*X subset available later this year, which would make it even more interesting. The C will be compiled into native code, not interpreted using P-code like Pascal. A hard disk would be desirable for this option. The person we talked to said that UN*X would probably be an inexpensive (~$100?) option, but that this could depend on how much interest there was in it.

Price for the 8 MHz board is $1550 (includes power supply and the P-system software). The 8 MHz board is upgradable to 12.5 for several $100's.

The manufacturer is

Analytical Engines, Inc.
3415 Greystone, Suite 305
Austin TX 78731
(512)346-8430

Fritz Benedict
Bill Jefferys
Pete Shelus
Astronomy Dept
University of Texas

(...ucbvax!nbires!ut-ngp!utastro!bill)
(...decvax!eagle!ut-ngp!utastro!bill)
(utastro!bill@utexas-11)

From -3442227993910787942
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6e1869acdef0dd8b
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-11 06:37:01 PST
Message-ID: <bnews.masscomp.123>
Newsgroups: net.micro.apple
Path: utzoo!decvax!wivax!linus!genrad!grkermit!masscomp!tjt
X-Path: utzoo!decvax!wivax!linus!genrad!grkermit!masscomp!tjt
From: masscomp!tjt
Date: Wed May 11 06:37:01 1983
Subject: Re: 68000 coprocessor card for Apple][
References: <bnews.utastro.325>
X-Google-Info: Converted from the original B-News header
Posted: Sat May 7 07:58:48 1983
Received: Wed May 11 06:37:01 1983

Anticipating flames in response to my previous followup ...

The coprocessor board has its own memory which apparently is not accessible over the Apple II bus (the article said the 68000 could access the Apple II memory -- not vice versa). This should make it substantially easier to build sufficiently fast memory for a 12.5MHz processor. In particular, you can attach the memory more or less directly to the 68000 without bothering with bus drivers, arbiters, and the like. You can even punt a memory controller and refresh the RAM from software (a la SUN).

In summary, I COULD be wrong about the 12.5MHz processor not being substantially faster than their 8MHz processor, but I would still be surprised.

Tom Teixeira
Massachusetts Computer Corporation (MASSCOMP)
...!decvax!genrad!masscom!tjt

From 5195206829059643675
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,355763595fca7451,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-13 22:22:57 PST
Message-ID: <bnews.ariel.338>
Newsgroups: net.micro.apple
Path: utzoo!decvax!genrad!linus!allegra!eagle!harpo!floyd!vax135!ariel!jsr
X-Path: utzoo!decvax!genrad!linus!allegra!eagle!harpo!floyd!vax135!ariel!jsr
From: ariel!jsr
Date: Fri May 13 22:22:57 1983
Subject: Apple II and GPIB success
X-Google-Info: Converted from the original B-News header
Posted: Wed May 11 18:47:14 1983
Received: Fri May 13 22:22:57 1983

Relay-Version:version B 3/9/83; site harpo.UUCP
Message-ID:<338@ariel.UUCP>
Date:Wed, 11-May-83 18:47:14 EDT

Has anyone had any success in trying to have apple as an IEEE 488
controller for any TEKTRONIX equipment. Just started trying with
TEK's DAS 9123 Logic Analyzer with little success. Are there any
incompatabilities I'm not aware of. Thanks in advance.

From 5340452147045582340
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,5d16f6fa7cf28ca3,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,5d16f6fa7cf28ca3,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-14 02:38:58 PST
Message-ID: <bnews.whuxlb.1091>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!seismo!harpo!floyd!
whuxlb!drd
X-Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!seismo!harpo!
floyd!whuxlb!drd
From: whuxlb!drd
Date: Sat May 14 02:38:58 1983
Subject: Re: Fast Apple DOS"es?
References: <bnews.mhuxh.157>
X-Google-Info: Converted from the original B-News header
Posted: Tue May 10 18:10:39 1983
Received: Sat May 14 02:38:58 1983

I have a few of the fast dos's they all appear to do the same thing. They all
replace some slow DOS 3.3 code with some faster code that cuts down on the
processing time. Some just rewrote the entire Dos and made it compatable with
DOS 3.3

If you have any questions post them i will try to answer them

Gregg Stefancik
harpo!whuxlb!drd
An Apple][wizard

From 2140394802389268257
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f8bf1c886421f12,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-18 00:51:40 PST
Message-ID: <bnews.ariel.329>
Newsgroups: net.micro.apple
Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!seismo!harpo!floyd!vax135!ariel!jsr
X-Path: utzoo!decvax!decwrl!sun!megatest!fortune!hpda!hplabs!hao!seismo!harpo!floyd!vax135!ariel!jsr
From: ariel!jsr
Date: Wed May 18 00:51:40 1983
Subject: Apple IIe + IEEE 488 Card
X-Google-Info: Converted from the original B-News header
Posted: Thu May 5 14:53:08 1983
Received: Wed May 18 00:51:40 1983

I have been trying to use an Apple IIe with Apple's IEEE 488
interface card as a GPIB controller to program TEK's DAS 9123
Logic Analysers. So far I haven't had much success. Has anyone
tryied to use any Apple to perform similar tasks?.

From 5104332115656707807
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,389bd726271a2567,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-19 04:48:38 PST
Message-ID: <bnews.tucc.3675>
Newsgroups: net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!ihnp4!we13!burl!duke!unc!tucc!jhb
X-Path: utzoo!decvax!harpo!eagle!mhtsa!alice!npoiv!houxm!ihnp4!we13!burl!duke!unc!tucc!jhb
From: tucc!jhb
Date: Thu May 19 04:48:38 1983
Subject: Re: ariel.330: Apple FORTRAN
X-Google-Info: Converted from the original B-News header
Posted: Thu May 12 16:20:45 1983
Received: Thu May 19 04:48:38 1983

There are two types of Apple Fortran, one for the II and one

for the ///. Apple II Fortran can give you a stack overflow
whenever it wants to - the code has bugs. Apple /// Fortran
will give you a stack overflow with insufficient memory, as
in a 128K system, when you try to do graphics.
-Joe Budge

From 4705214940052520169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 129c11,9cd0fc623804a642,start
X-Google-Attributes: gid129c11,public
X-Google-Thread: 1622d3,9cd0fc623804a642,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-19 19:06:25 PST
Message-ID: <bnews.mhuxh.157>
Newsgroups: net.micro,net.micro.apple
Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxh!lra
X-Path: utzoo!decvax!harpo!eagle!mhuxt!mhuxh!lra
From: mhuxh!lra
Date: Thu May 19 19:06:25 1983
Subject: Fast Apple DOS'es?
X-Google-Info: Converted from the original B-News header
Posted: Mon May 9 21:59:11 1983
Received: Thu May 19 19:06:25 1983

There exist several software packages that claim to greatly increase
the speed of Apple DOS 3.3. (Pronto-DOS, Diversi-DOS, etc.) An
advertisement for Diversi-DOS states that "Apple DOS 3.3 takes 18 disk
revolutions to read a single track, whereas 'Diversi-DOS' reads or
writes a track in just 2 revolutions".

It it true that DOS 3.3 is this inefficient, or is there some error
detecting, error correcting going on in DOS 3.3 and not in Diversi-DOS?
Does anyone know what types of tricks Diversi-DOS could be doing?
Though this example concerns the Apple][, specifically, could some
of the speedy tricks be conducted for other DOS'es ?

                              Thanks in advance,

--

                          Lonnie R. Abelbeck
                     ...!mhuxt!mhuxa!mhuxh!lra

From -7783193275877891645
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7dd6d852665e08c,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-05-27 13:17:51 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site utcsrgv.UUCP
Path: utzoo!utcsrgv!lgondor
From: lgondor@utcsrgv.UUCP (Les Gondor)
Newsgroups: net.micro.apple
Subject: opinions solicited about VISITERM
Message-ID: <1438@utcsrgv.UUCP>
Date: Fri, 27-May-83 16:17:51 EDT
Article-I.D.: utcsrgv.1438
Posted: Fri May 27 16:17:51 1983
Date-Received: Fri, 27-May-83 16:33:49 EDT
Organization: CSRG, University of Toronto
Lines: 10

Does anybody out there use VISITERM?
Salesmen around here are remarkably reluctant to give demos when
that demo requires more than one machine. Even if I were to get
a demo, I would still like to hear from users in the real world.

Please reply by network mail to:
{allegra,floyd,ihnp4,mhtsa,decvax!utzoo}!utcsrgv!lgondor

Thanks in advance
Les Gondor

From -3539893906337481644
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,3524f60c8ebb3e7d,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-12 06:23:48 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site whuxlb.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!whuxlb!drd
From: drd@whuxlb.UUCP
Newsgroups: net.micro.apple
Subject: What happened?
Message-ID: <1153@whuxlb.UUCP>
Date: Sun, 12-Jun-83 09:23:48 EDT
Article-I.D.: whuxlb.1153
Posted: Sun Jun 12 09:23:48 1983
Date-Received: Sun, 12-Jun-83 18:04:30 EDT
Organization: Bell Labs, Whippany
Lines: 8

What has happened to this news group? Has everyone out there forgotten how to
type? Lets see some questions and maybe some answers. Why don't a few people
do some reviewing of any type of software. This group could be a very active
group. Lets try to make it one.

Gregg Stefancik

harpo!whuxlb!drd

From -7456408392806482765
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,517339ca396495e5,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-13 21:12:40 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcsrgv!garfield!andrew
From: andrew@garfield.UUCP (Andrew Draskoy)
Newsgroups: net.micro.apple
Subject: Aztec C for the IIe?
Message-ID: <415@garfield.UUCP>
Date: Tue, 14-Jun-83 00:12:40 EDT
Article-I.D.: garfield.415
Posted: Tue Jun 14 00:12:40 1983
Date-Received: Mon, 13-Jun-83 23:26:15 EDT
Lines: 13

Does anyone "out there" know which Apples Aztec C runs on? We have a
lot of IIes and a III. Will Aztec C run properly on either of these?
Do you really need two disk drives? Could someone who has used it please
tell me just what functions you get in the libraries that come with it.

On a different note - How about a pointer to a book or something similar
to the reference manuals that used to come with the IIs. Only a rather
simple owner's manual comes with the IIe. I need info on all the little
tidbits: ^C disables, creating your own commands, etc. Does Applesoft
have RAM vectors to various commands, so that you can change where BASIC
goes to execute them? What other (not well documented) useful things
do people in net.land know about the Apple? Let's get some conversation
going here. There hasn't been any in this since our site got on the net!

From -5706142221058560266
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ceac7251d265f28,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-15 10:03:38 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!vax135!ariel!houti!hogpc!houxm!hocda!
spanky!burl!duke!ndd
From: ndd@duke.UUCP
Newsgroups: net.micro.apple
Subject: termcap/smarterm query
Message-ID: <3294@duke.UUCP>
Date: Wed, 15-Jun-83 13:03:38 EDT
Article-I.D.: duke.3294
Posted: Wed Jun 15 13:03:38 1983
Date-Received: Thu, 16-Jun-83 22:28:36 EDT
Lines: 12

I've been trying to get vi to work with an Apple II and the ALS Smarterm II 80 column card. I've managed to get everything going except the gotoxy addressing, which would be extremely useful. I can get it to address properly in the y direction, but it tends to screw up along x; it also sticks in superfluous characters (usually a '(').

Has anyone had any better luck?

Ned Danieley
duke!ndd

From -5373143075797635169
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,4d5b0c02ea49fdcc,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-16 07:28:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl-a!unm-ivax!clrk
From: clrk@unm-ivax.UUCP
Newsgroups: net.micro.apple
Subject: Why Apple CPM?
Message-ID: <506@unm-ivax.UUCP>
Date: Thu, 16-Jun-83 10:28:19 EDT
Article-I.D.: unm-ivax.506
Posted: Thu Jun 16 10:28:19 1983
Date-Received: Thu, 7-Jul-83 13:53:03 EDT
Lines: 62

Here's a question for discussion by Net.micro.apple readers:

I would like to know why anyone with an Apple microcomputer would want CP/M. This question is based on the following assumptions:

1. CP/M on the Apple requires the considerable expense of a Z-80 card and an 80-column card.
2. CP/M is greatly disliked by many people - to judge by comments in many magazine articles, letters to the editor, etc.
3. Apple DOS is a fairly competent and friendly operating system.
4. Apple's UCDS Pascal is an excellent alternate operating system.
5. A great many useful programs are available which run under either DOS or Apple Pascal.

Here are reasons I assume one might want CP/M on an Apple:

a. You don't have to worry about (or waste time and energy trying to overcome) disk copy-protection schemes.
b. You wish to run particular programs (e.g., Word Star) which are only available on CP/M.
c. You think good CP/M programs are cheaper or better supported

than good Apple DOS or Pascal programs.
d. Transferring data between programs is easier under CP/M than it is with most programs that run on the standard Apple.
e. You wish to write or develop programs that can be sold for use on as many non-Apple microcomputer systems as possible.
f. You feel that CP/M is a better environment for the programmer (as opposed to the user who doesn't write programs).
g. You already know CP/M or Z-80 assembly language and don't want to waste time learning Apple DOS or 6502 assembly language.
h. You feel Z-80 code will run faster than 6502 code.
i. You feel that DOS is slow or inefficient.

I have no idea if any of these assumptions are valid. I have only slight BASIC and Pascal programming experience on the Apple II and my experience with CP/M is limited to attempts to learn Word Star and SuperCalc on an old and rather tired Osbourne I. So far these attempts have led me to have a very poor opinion of the Osbourne, Word Star and CP/M.

I know very well that the Apple II, the Apple ///, Apple DOS, Apple Pascal, etc. have many disadvantages. Nevertheless, it seems to me that people are always griping in print about problems that I don't seem to have with my Apple II. Maybe people who get CP/M for their Apples are doing things I don't need to do, or haven't got around to trying to do yet? Maybe people who get CP/M are being misled by all the reports in the media that CP/M is *THE* standard operating system for microcomputers? Maybe I am fooled into thinking CP/M is worse just because it is different?

If anyone in netland has opinions for or against CP/M on the Apple based on actual experience rather than hearsay, I'm sure micro.apple readers would like to hear them. My opinion is that CP/M is greatly over-rated, and if I am mistaken I'd like to find out how and why.

Please post replies to net.micro.apple - I'm trying to stimulate some useful activity in this newsgroup.

Thanks - Jim Pittman - University of New Mexico Computing Center -
Albuquerque, N.M. 87131 - 505-277-2764
ucbvax!lbl-csam!lanl-a!unm-ivax!casa

From -1456021176440263744
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ce6487069ac48522,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-16 10:23:10 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!floyd!vax135!ariel!hou5f!hou5a!hou5d!hou5e!jjm
From: jjm@hou5e.UUCP
Newsgroups: net.micro.apple
Subject: APPLE II+ FOR SALE
Message-ID: <562@hou5e.UUCP>

Date: Thu, 16-Jun-83 13:23:10 EDT
Article-I.D.: hou5e.562
Posted: Thu Jun 16 13:23:10 1983
Date-Received: Sat, 18-Jun-83 22:10:24 EDT
Lines: 15

FOR SALE: Apple II+, 64K, Integer basic, 2 disk drives,
Z80 card, PASCAL, and lots of software
(games, utilities, etc.)

Must sell to buy car. (I'ts hard to commute
on a computer...)

A bargain at only $1500 (that's only fifteen hundred
dollars)

CONTACT: Bill Navarro (8AM-4PM 201-949-5689)
American Bell - Holmdel, NJ

or reply by mail to hou5e!jjm and I will contact him for you.

From 8894607439327727177
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,ef77bd17e4849ef9,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-17 04:57:37 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!genrad!decvax!harpo!floyd!vax135!ariel!hou5f!orion!houca!hogpc!
houxm!ihnp4!ixn5h!dcn
From: dcn@ixn5h.UUCP
Newsgroups: net.micro.apple
Subject: Aztec C Info Source
Message-ID: <135@ixn5h.UUCP>
Date: Fri, 17-Jun-83 07:57:37 EDT
Article-I.D.: ixn5h.135
Posted: Fri Jun 17 07:57:37 1983
Date-Received: Sat, 18-Jun-83 19:05:54 EDT
Lines: 11

For more info about Aztec C, try calling the Manx Software
people in NJ: 201-780-4004. I don't know about the Apple //e,
but I would definitely recommend two drives. The libraries
contain most of the standard I/O package (except for scanf)
and the string functions. There are only a handful of DOS-
related functions that are almost useless. You get source
code for the libraries and the less complex utilities.

Dave Newkirk
ihnp4!ixn5h!dcn

From -2317811664714330412
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,1ceac7251d265f28
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-18 06:38:53 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site whuxlb.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!whuxlb!drd
From: drd@whuxlb.UUCP
Newsgroups: net.micro.apple
Subject: Re: termcap/smarterm query
Message-ID: <1169@whuxlb.UUCP>
Date: Sat, 18-Jun-83 09:38:53 EDT
Article-I.D.: whuxlb.1169
Posted: Sat Jun 18 09:38:53 1983
Date-Received: Sun, 19-Jun-83 02:07:46 EDT
References: <3294@duke.UUCP>
Organization: Bell Labs, Whippany
Lines: 11

I have purchased a software package that handles emulation with any 80 colm. card. It has several terminals that it can emulate. If you are just going for adm3a emulation and a few nice features this one is nice. If anyone comes up with some software that would emulate the HP terminals with inserts and deletes I would like to see that. Oh I forgot to tell you the name of the communications package. It is ASCII EXPRESS "The Professional". I like it. I'd like to here from anyone else out there with AE and their exp. and oppinions.

Gregg Stefancik
harpo!whuxlb!drd

From 9208101979113491350
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,7992de66f90d0f60,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-19 08:04:29 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!genrad!decvax!harpo!floyd!whuxlb!drd
From: drd@whuxlb.UUCP
Newsgroups: net.micro.apple
Subject: Manuals and other stuff
Message-ID: <1175@whuxlb.UUCP>
Date: Sun, 19-Jun-83 11:04:29 EDT
Article-I.D.: whuxlb.1175
Posted: Sun Jun 19 11:04:29 1983
Date-Received: Sun, 19-Jun-83 23:23:54 EDT
Lines: 22

I have found a few books usefull but none appear to cover the IIe yet. I have a II and I can't believe that the IIe manuals don't tell you how to disable the ctrl-c function. I recommend getting a hold of the II manuals if you want to

do any serious programming. All the features of the II have been supported on the IIe. It is impossible to modify any of Applesoft when you have it in ROM. They do leave you 1 user definable command! This is the & command this command causes a JSR $3F5. You can then create a JMP to your routine and use an RTS to return control to BASIC. Well, well look what Apple says about the & command they say, "The ampersand (&) is intended for the computer's internal use only it is NOT a proper APPLESOFT command. This symbol, ..." This looks like an excuse for not explaining any thing that requires advanced knowledge.

To disable ctrl-c you must insert 2 statements. (Caution! Do not use this with any Applesoft program containing GET statements.
XXXX ON ERR GOTO YYYY
YYYY RESUME
To re-enable crtl-c use a statement with a POKE 216,0.

Gregg Stefancik
harpo!whuxlb!drd

From -771564049937569817
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,b9cd395af692cf4f,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-21 20:11:36 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site ucbcad.UUCP
Path: utzoo!linus!wivax!decvax!harpo!floyd!vax135!cornell!uw-beaver!tektronix!
ucbcad!morgan
From: morgan@ucbcad.UUCP
Newsgroups: net.micro.apple
Subject: termcap for videx card - (nf)
Message-ID: <123@ucbcad.UUCP>
Date: Tue, 21-Jun-83 23:11:36 EDT
Article-I.D.: ucbcad.123
Posted: Tue Jun 21 23:11:36 1983
Date-Received: Mon, 27-Jun-83 11:34:22 EDT
Sender: notes@ucbcad.UUCP
Organization: UC Berkeley, CAD Group
Lines: 65

#N:ucbcad:2800001:000:1650
ucbcad!morgan   Jun 21 13:46:00 1983

I have been using my Apple II+ as an intelligent terminal for a little over a year now. I patched dos to change the "init" command to "term". From the command level of Pie Writer 2.2 (the absolute best of the word processors) I merely type "term" to enter a 1200 baud terminal mode, and ^@ to return to Pie. If anyone is interested, I'll post that patch at a later date.

However, I still could not use vi. My apple is equipped

with a Videx 80 collum card, with inverse character set chip. After
much experimenting, I developed the following termcap entry which
works most of the time:

bcx c/o morgan!medea

/.applecap/

```
#The following termcap entry works only with an Apple ][+ that is
# equipped with a Videx 80 collumn card in slot 3. A special routine
# must be installed at the apple end to enable scroll down, here
# indicated with a ^U. The Videx card must have inverse char set.
#
# ;SPECIAL ROUTINE TO ENABLE SCROLL DOWN
# ;
# COUT  EQU $FDED
# NO EQU $6F8
# START   EQU NO-$C0
# DEV0    EQU $C080
# DEV1    EQU $C081
# BASEL EQU $478-$C0
# BASCLC1 EQU $CA2E
# BASEH EQU $4F8-$C0
# ;
# ; ENTER HERE WITH JSR, ALL REGISTERS DESTROYED.
# ;
#    SEC
#    LDX #$C3
#    LDY NO
#    LDA START,X
#    SBC #$05
#    AND #$7F
#    STA START,X
#    JSR BASCLC1
#    LDA #$0D
#    STA DEV0,Y
#    LDA BASEL,X
#    STA DEV1,Y
#    LDA #$0C
#    STA DEV0,Y
#    LDA BASEH,X
#    STA DEV1,Y
#    LDA #$19
#    JSR COUT
#    LDA #$1D
#    JSR COUT
#    RTS
#
qa|applev80i|Apple][+ w/Videx80 inverse & custom scroll down:co#80:li#25:\
        :bs:ae=^z2:as=^z3:cm=6\015\036%r%+\037%+\037:\
        :ce=6\035:ho=50\031:so=^z3:se=^z2:nd=\034:\
        :do=\012:up=\037:cl=40*\014:dB=10:xn:am:dF=50:sr=\020:cd=20*\013:
```

From 3703828974371683030
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,6f4d84ad7bdc88aa,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-23 06:25:30 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site stolaf.UUCP
Path: utzoo!linus!philabs!seismo!harpo!floyd!vax135!ariel!hou5f!orion!houca!hogpc!
houxm!ihnp4!stolaf!hagemark
From: hagemark@stolaf.UUCP
Newsgroups: net.micro.apple
Subject: Apple II guts
Message-ID: <1055@stolaf.UUCP>
Date: Thu, 23-Jun-83 09:25:30 EDT
Article-I.D.: stolaf.1055
Posted: Thu Jun 23 09:25:30 1983
Date-Received: Fri, 24-Jun-83 15:17:23 EDT
Organization: St. Olaf College, Northfield MN
Lines: 19

Apple guts anyone?

One of the first issues (back in '79 or '80?) of the
\Apple Orchard/ had an article written by Jobs, Wozniak,
or someone internal to Apple or Microsoft which listed
entry points to most of Applesoft's command routines.
There are no RAM vectors to the command routines. If
Apple II DOS guts are of interest the book \Beneath
Apple DOS/ (I forget the author's name) is excellent.
Apple monitor guts are well documented in the last
Apple II reference manual before the //e came out.
And, an article in a 1978(?) BYTE describes the video system.

If anyone is interested in exact citations or maybe even
copies let me know.

Bent Hagemark, St. Olaf College, Northfield, MN 55057
ihnp4!stolaf!hagemark

From 2559597862082123172
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,561d4b393a5183e4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-25 15:31:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!hao!cires!nbires!ut-ngp!utastro!bill
From: bill@utastro.UUCP
Newsgroups: net.micro.apple
Subject: Re: termcap/smarterm query
Message-ID: <431@utastro.UUCP>

Date: Sat, 25-Jun-83 18:31:15 EDT
Article-I.D.: utastro.431
Posted: Sat Jun 25 18:31:15 1983
Date-Received: Wed, 29-Jun-83 05:53:58 EDT
Lines: 17

I have posted a termcap description for the ALS Smarterm II 80-column
card to net.sources; It seems to work fine both for vi and rogue
(the acid test!) and supports most of the features of the card
including cursor movement (gotoxy).

This is a very nice card as it gives you a fully functioning keyboard
(with |~\{}_`^[]) as well as 80 columns, and can be ordered by mail
for under $150 shipping and insurance included.

Bill Jefferys
Astronomy Dept
University of Texas
Austin TX 78712

(...ucbvax!nbires!ut-ngp!utastro!bill)
(...decvax!eagle!ut-ngp!utastro!bill)
(utastro!bill@utexas-11)

From -7740929521425077951
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,95c7915499fbe054,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-25 19:49:15 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!genrad!decvax!harpo!floyd!vax135!cornell!uw-beaver!tektronix!
ucbcad!morgan
From: morgan@ucbcad.UUCP
Newsgroups: net.micro.apple
Subject: Re: Manuals and other stuff - (nf)
Message-ID: <156@ucbcad.UUCP>
Date: Sat, 25-Jun-83 22:49:15 EDT
Article-I.D.: ucbcad.156
Posted: Sat Jun 25 22:49:15 1983
Date-Received: Mon, 27-Jun-83 19:46:48 EDT
Lines: 9

#R:whuxlb:-117500:ucbcad:2800003:000:207
ucbcad!morgan   Jun 25 12:42:00 1983

Also reccommended: Programmers Guide to the Apple][, The Computer Station
            All About Applesoft, Call A.P.P.L.E. (In Depth)
            Apple II monitor peeled, Apple Computers Inc.

            bcx c/o medea!morgan

From -8866661400447514001
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,20a996afb5e19d02,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-28 06:51:43 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!cmcl2!lanl-a!unm-ivax!clrk
From: clrk@unm-ivax.UUCP
Newsgroups: net.micro.apple
Subject: Why Apple CPM? (2nd try)
Message-ID: <510@unm-ivax.UUCP>
Date: Tue, 28-Jun-83 09:51:43 EDT
Article-I.D.: unm-ivax.510
Posted: Tue Jun 28 09:51:43 1983
Date-Received: Thu, 7-Jul-83 14:02:08 EDT
Lines: 63

[[This was submitted earlier but I don't think it went out...]]

A question for discussion by Net.micro.apple readers:

I would like to know why anyone with an Apple microcomputer would want CP/M. This question is based on the following assumptions:

1. CP/M on the Apple requires the considerable expense of a Z-80 card and an 80-column card.
2. CP/M is greatly disliked by many people - to judge by comments in many magazine articles, letters to the editor, etc.
3. Apple DOS is a fairly competent and friendly operating system.
4. Apple's UCDS Pascal is an excellent alternate operating system.
5. A great many useful programs are available which run under either DOS or Apple Pascal.

Here are reasons I assume one might want CP/M on an Apple:

a. You don't have to worry about (or waste time and energy trying to overcome) disk copy-protection schemes.
b. You wish to run particular programs (e.g., Word Star) which are only available on CP/M.
c. You think good CP/M programs are cheaper or better supported than good Apple DOS or Pascal programs.
d. Transferring data between programs is easier under CP/M than it is with most programs that run on the standard Apple.
e. You wish to write or develop programs that can be sold for use on as many non-Apple microcomputer systems as possible.
f. You feel that CP/M is a better environment for the programmer (as opposed to the user who doesn't write programs).
g. You already know CP/M or Z-80 assembly language and don't want to waste time learning Apple DOS or 6502 assembly language.
h. You feel Z-80 code will run faster than 6502 code.
i. You feel that DOS is slow or inefficient.

I have no idea if any of these assumptions are valid. I have only slight BASIC and Pascal programming experience on the Apple II and my experience with CP/M is limited to attempts to learn Word Star and SuperCalc on an old and rather tired Osbourne I. So far these attempts have led me to have a very poor opinion of the Osbourne, Word Star and CP/M.

I know very well that the Apple II, the Apple ///, Apple DOS, Apple Pascal, etc. have many disadvantages. Nevertheless, it seems to me that people are always griping in print about problems that I don't seem to have with my Apple II. Maybe people who get CP/M for their Apples are doing things I don't need to do, or haven't got around to trying to do yet? Maybe people who get CP/M are being misled by all the reports in the media that CP/M is *THE* standard operating system for microcomputers? Maybe I am fooled into thinking CP/M is worse just because it is different?

If anyone in netland has opinions for or against CP/M on the Apple based on actual experience rather than hearsay, I'm sure micro.apple readers would like to hear them. My opinion is that CP/M is greatly over-rated, and if I am mistaken I'd like to find out how and why.

Please post replies to net.micro.apple - I'm trying to stimulate some useful activity in this newsgroup.   "Thanks in advance."

Jim Pittman - University of New Mexico Computing Center
Albuquerque, N.M. 87131 - 505-277-2764
ucbvax!lbl-csam!lanl-a!unm-ivax!casa

From 4284231010440547014
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,e9f5afebff6daa4,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-06-29 18:10:19 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site cvl.UUCP
Path: utzoo!linus!philabs!seismo!rlgvax!cvl!jcw
From: jcw@cvl.UUCP
Newsgroups: net.micro.apple
Subject: communications on apple][e
Message-ID: <445@cvl.UUCP>
Date: Wed, 29-Jun-83 21:10:19 EDT
Article-I.D.: cvl.445
Posted: Wed Jun 29 21:10:19 1983
Date-Received: Thu, 30-Jun-83 19:06:03 EDT
Organization: U. of Md. Computer Vision Lab
Lines: 11

A co-worker of mine just got an Apple][e with an MBI VIP card (which has two serial and one parallel port) and a Hayes Smartmodem 1200, and would like to write a terminal emulator in C for it. Unfortunately, none of the hardware came with documentation on where the i/o buffers

are for the serial ports and how to access them. Anyone in netland know how to read/write to/from the communications port(s)?

No amount of information is too much, so if you know anything that might help send mail to { ... seismo!rlgvax!cvl!nk } (nk is the person who has the machine).

-Jay Weber {...seismo!rlgvax!cvl!jcw}

From 6293394302410377704
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,a564cf24a3ddbcdb,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-01 12:04:45 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!utcsrgv!garfield!charles1
From: charles1@garfield.UUCP (Charles Loader)
Newsgroups: net.micro.apple
Subject: IMI ADALAB problem
Message-ID: <431@garfield.UUCP>
Date: Fri, 1-Jul-83 15:04:45 EDT
Article-I.D.: garfield.431
Posted: Fri Jul 1 15:04:45 1983
Date-Received: Mon, 4-Jul-83 15:52:59 EDT
Lines: 18

Newsgroup-Apple?

Franklin Ace 100 (Apple-compatible) interfacing problems.

With the I.M.I. ADALAB (equipped with ADA-AMP) interference occurs with the DOS. Is is possible to accumulate voltages and times in a 2-D array or to print them as aquired. Once the timer is started however data can not be stored on disk (in fact the disk drive fails to operate). Consequently all data is at risk or, if printed, must be manually re-entered for linear regression analysis or similar data manipulation.

A subroutine to disable - enable interrupts supplied by the company does not solve the problem.

Has anyone had and overcome similar problems?

From -2814246664996081260
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,f7dda374b1f2aff8,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-02 00:29:00 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/3/83; site hp-pcd.UUCP

Path: utzoo!linus!philabs!seismo!hao!hplabs!hp-pcd!orstcs!hakanson
From: hakanson@orstcs.UUCP
Newsgroups: net.micro.apple
Subject: DBMS Query - (nf)
Message-ID: <1260@hp-pcd.UUCP>
Date: Sat, 2-Jul-83 03:29:00 EDT
Article-I.D.: hp-pcd.1260
Posted: Sat Jul 2 03:29:00 1983
Date-Received: Sun, 3-Jul-83 16:52:37 EDT
Sender: netnews@hp-pcd.UUCP
Organization: Hewlett-Packard, Corvallis OR
Lines: 34

#N:orstcs:15200002:000:1277
orstcs!hakanson   Jun 30 14:32:00 1983

Subject: Has anyone heard of DBMS' for Apple ?

I know it sounds funny, but I have seen them in the Apple "Blue Book"
and I would like some more information. The systems I saw had similar
capabilities, such as allowing "unsophisticated" users to design a
screen layout, and then automatically setting up files, along with
allowing design of reports, etc.

I'm interested in systems using SUPERKRAM or some similar Btree
indexing utility, all in BASIC (sorry, that's all their Apple II+ has),
mapping into (but not necessarily) a relational database, and
requiring no more than two disk drives. I'd like to hear about:

     CONQUEST
     REQUEST

or any others you have heard about. I'd like prices, if you have them,
but I'm most concerned about how reliable they are, performance, gripes
you have if you've used them, etc. Any suggestions are welcome;
I'm developing a very small, simple database, but want to save myself
some time. I also want my customer to be able to modify it or to
add applications of his/her own. Speed and space considerations are not
yet important, but may become that way in the future (don't they
always?).

Please respond by e-mail or to net.micro.appl as soon as you can. Thanks.

                Marion Hakanson
             {hp-pcd,teklabs,tekcad}!orstcs!hakanson

From 1370878006049640546
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,37270553393f128e,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-05 11:01:18 PST

Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!philabs!seismo!hao!cires!nbires!ut-ngp!utastro!bill
From: bill@utastro.UUCP
Newsgroups: net.micro.apple
Subject: More on ALS Smartterm II card
Message-ID: <448@utastro.UUCP>
Date: Tue, 5-Jul-83 14:01:18 EDT
Article-I.D.: utastro.448
Posted: Tue Jul 5 14:01:18 1983
Date-Received: Thu, 7-Jul-83 22:13:09 EDT
Lines: 36

I recently posted an article on the ALS Smartterm II card I bought
for my Apple. One question that came back in response was
of sufficient interest that I thought I would post my response
to the net.

> I read somewhere that the 80-column cards consume
> a lot of power and may cause overheating of systems
> without some provision for cooling. Has this been your experience?
>
> Also, does the card support lower case with true descenders?

Well, I have a fan which I got some time ago just "in case" I
plugged in more than the vanilla Apple power supply could handle, so
I really can't answer the question as it is posed.
Right now I have cards in slots 0 (16K ramcard), 1 (Printer interface),
2 (Micromodem), 3 (Smartterm II) and 6 (Disc controller/2 discs).
I haven't had any problems. My impression is that the complaints of
high power consumption were true of some of the earlier-designed
80 column cards, but that it isn't much of a problem with the
new ones (which this is).

The characters look very good, and have true descenders on the
lower case.

By the way, I have managed to interface the card with Aztec C
(it's a bit trickier than I expected) and if anyone is in need
of information on doing this, I will be glad to supply it by Snail Mail.

Bill Jefferys
Astronomy Dept
University of Texas
Austin TX 78712

(...decvax!eagle!ut-ngp!utastro!bill)
(utastro!bill@utexas-11)

From -2957513643021675480
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,dacc88daf949078c,start

X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-07 08:25:03 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Posting-Version: version B 2.10 5/26/83; site ixn5h.UUCP
Path: utzoo!linus!decvax!tektronix!zehntel!ihnp4!ixn5h!dcn
From: dcn@ixn5h.UUCP
Newsgroups: net.micro.apple
Subject: Re: Why Apple CP/M?
Message-ID: <139@ixn5h.UUCP>
Date: Thu, 7-Jul-83 11:25:03 EDT
Article-I.D.: ixn5h.139
Posted: Thu Jul 7 11:25:03 1983
Date-Received: Sat, 9-Jul-83 12:52:32 EDT
Organization: BTL Naperville, Il.
Lines: 12

I have been tempted once or twice to try CP/M on my Apple,
but the hardware + software investment stopped me quickly.
I would really like to try MuMath or MuLisp, or some of the
fancy editors, but there is enough software for the standard
Apple to keep me occupied for a long time. I have concluded
that it's only the business customers that buy an Apple, and
then immediately stuff a Z-80 and a Videx board in it to turn
it into a CP/M system. Then I wonder why they bought an Apple
instead of a good Z-80 system!

Dave Newkirk
ihnp4!ixn5h!dcn

From 8478156785378432246
X-Google-Language: ENGLISH,ASCII-7-bit
X-Google-Thread: 1622d3,99519a901718da82,start
X-Google-Attributes: gid1622d3,public
X-Google-ArrivalTime: 1983-07-07 12:38:17 PST
Relay-Version: version B 2.10 5/3/83; site utzoo.UUCP
Path: utzoo!linus!decvax!microsof!uw-beaver!cornell!vax135!ariel!hou5f!hou5a!
hou5d!hogpc!houxm!hocda!spanky!burl!duke!unc!tucc!cjl
From: cjl@tucc.UUCP
Newsgroups: net.micro.apple
Subject: Re: Why Apple CP/M
Message-ID: <3842@tucc.UUCP>
Date: Thu, 7-Jul-83 15:38:17 EDT
Article-I.D.: tucc.3842
Posted: Thu Jul 7 15:38:17 1983
Date-Received: Fri, 8-Jul-83 19:19:48 EDT
Lines: 19

Why CP/M? The Apple is not a serious business computer without it.
(hold your flames for a minute folks!)
Until the IIe came out, it was a kluge to interface 80-col upper

and lower case into Apple DOS software (commercial variety), and
in many respects it still is. Although Wordstar and Superscribe will
both accomplish the same results, the ease of use of Wordstar (which
automatically utilizes 80-col u/lc) is almost uncomparable. Pascal
with its operating system IS nice, but the amount of software available
is pitiful compared to CP/M. It is also nice to have compatability
(somewhat- mind you) with other machines.

In all fairness- Why CP/M with an Apple?
The answer is obvious: you get the best of both worlds by having the two
largest software databases available for your machine. After buying an
Apple, the extra cost of a Z-80 card is not that much.

Charles J. Lord
Engineer-at-large, NC